



UNDERGRADUATE BULLETIN: 2016-2017



2016 - 2017

Hamline University Undergraduate Bulletin

1536 Hewitt Ave, Saint Paul, Minnesota 55104-1284

www.hamline.edu

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About the Bulletin

The 2016–2017 Hamline University Undergraduate Bulletin is the primary resource for academic information, including official curricular requirements, for Hamline University undergraduate students. The *University Undergraduate Bulletin* is available electronically at <http://bulletin.hamline.edu>.

Students who are admitted for, and enrolled during, the 2016–2017 academic year are subject to the degree requirements described in this *Bulletin*. Students are encouraged to familiarize themselves with the policies and procedures of Hamline University early in their collegiate careers. Failure to read this *Bulletin* does not excuse students from the requirements and provisions described herein.

The academic standards and policies, courses, and curricula described in this Bulletin, and the teaching personnel listed, are subject to change or cancellation by official action of Hamline University. Updates are made annually and every effort has been made to ensure the accuracy of the information in the printed *Bulletin*; however, when the printed and online version of the *Bulletin* differ, the official version is the online edition.

Neither the provisions of this Hamline University Undergraduate Bulletin nor the acceptance of students to the university through the admission, enrollment, and registration processes constitutes a contract or an offer of a contract. The university further reserves the right to require a student to withdraw from the University for cause at any time.

Applications for admission and employment, students, employees, sources of referral of applicants for admission and employment, and all unions holding collective bargaining agreements with Hamline University are hereby notified that this institution does not discriminate on the basis of race, color, creed, national origin, ancestry, sex, disability, age, religion, marital status, sexual orientation, status as a disabled veteran or veteran of the Vietnam era, status with regard to public assistance, or any other classification protected by applicable law. Any person having inquiries concerning Hamline University's compliance with the regulations implementing Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, the Americans with Disabilities Act, or Section 504 of the Rehabilitation Act of 1973 is directed to contact the Office of the Dean of Students, Hamline University, 1536 Hewitt Avenue, Saint Paul, Minnesota, 55104-1284, 651-523-2421. This office has been designated by the University to coordinate its efforts to comply with the aforementioned regulations. Any person may also contact the Assistant Secretary for Civil Rights, U.S. Department of Education, regarding the institution's compliance with these regulations.

Hamline University further abides by its own nondiscrimination policy which states: Hamline University will not tolerate harassment, discrimination, or retaliation based on race; color; gender/sex; ethnic background; national origin; sexual orientation; gender presentation; marital, domestic partner or parental status; status with regard to public assistance; disability; religion; age; or veteran status in its employment or educational opportunities.

Hamline University is registered with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

*Minnesota Office of Higher Education
1450 Energy Park Dr., Suite 350
Saint Paul, MN 55108
www.ohe.state.mn.us 651-642-0533*

For more information on undergraduate admission, contact:

Hamline University
Undergraduate Admission
MS-C1930
1536 Hewitt Avenue
Saint Paul, Minnesota 55104-1284
admission@hamline.edu
651-523-2207 or 800-753-9753
www.hamline.edu

Mission, Values, and Vision

Mission

To create a diverse and collaborative community of learners dedicated to the development of students' knowledge, values and skills for successful lives of leadership, scholarship, and service.

Values

Hamline University recognizes its roots in the traditions and values of the United Methodist Church. Through our personal and collective effort, we will make a lasting difference in the world as we aspire to the highest standards for:

- Creation, dissemination, and practical application of knowledge
- Rigor, creativity, and innovation in teaching, learning, and research
- Multicultural competencies in local and global contexts
- The development and education of the whole person
- An individual and community ethic of social justice, civic responsibility, and inclusive leadership and service

Vision

Hamline University will be recognized as a diverse, learning-centered university that is:

- Rooted in the tradition of liberal education
- Dynamic and actively inclusive
- Locally engaged and globally connected, and
- Invested in the personal and professional growth of persons

Undergraduate Academic Calendar 2016-2017

Note: The academic calendar is subject to change. Please check www.hamline.edu/academiccalendar for the latest information.

Fall Term

Fall term classes begin
Thanksgiving break

Fall term classes end
Fall term final exams

Winter Term

Winter term classes begin
Martin Luther King Jr. holiday
Winter term classes end

Spring Term

Spring term classes begin
Spring break

Good Friday holiday
Spring term classes end
Spring term final exams

Commencement

Summer Term

Summer I classes begin
Summer I classes end
Summer II classes begin
Summer II classes end
Summer III classes begin
Fourth of July holiday
Summer III classes end

2016

Wednesday, September 7
Thursday and Friday,
November 24-25
Tuesday, December 13
Thursday, December 15 -
Tuesday, December 20

2017

Tuesday, January 3
Monday, January 16
Thursday, January 26

2017

Wednesday, February 1
Monday, March 20 -
Friday, March 24
Friday, April 14
Friday, May 12
Monday, May 15 -
Thursday, May 18
Saturday, May 20

2017

Monday, June 5
Thursday, June 29
Tuesday, July 10
Thursday, August 3
Monday, June 5
Tuesday, July 4
Friday, August 11

Connecting Education to Life

The Hamline Experience

While there are many great liberal arts universities and colleges from which to choose, none quite compare to the experience at Hamline University. A Hamline education emphasizes collaboration, diversity and inclusion, community, engagement, leadership, scholarship, and service. Hamline's mission, vision, and values do not exist in words alone but are seen within the Hamline experience.

Engaged and Collaborative Community

Students who come to Hamline find a community of engaged and collaborative learners. Students, faculty, and staff work together to solve problems, create connections among disciplines, and experiment with new learning models. With Hamline's unique and various partnerships, these solutions extend to the community and to the larger society. Pipers frequently work with professors on collaborative research scholarship projects—many become published in scholarly journals or presented at national conferences. Every year, Hamline takes one of the largest groups of students from any college nationwide to the National Conference on Undergraduate Research (NCUR). Hamline students learn the forefront developments in science, create works of art, and conduct studies of crucial global issues. All of this is done among a diverse group of peers coming from 40 different states and thirty countries. Pipers receive real experience during their time on campus; every student either participates in an internship, develops their own independent study project, studies abroad, or participates in a service-learning project.

Parents and guardians of Hamline students consistently voice that they are impressed by our academic culture focused on teaching students to prepare for careers or graduate study and developing the values necessary for ethical citizenship and leadership. Parents appreciate the goal-oriented curricula, the high standards for academics, and the faculty who provide personal attention and work one-on-one with each student. At Hamline, an environment of learning is our top priority.

Alumni also agree that the learning experience at Hamline is transformative. No matter their achievements in the world, many of our alumni give something back to Hamline through generous gifts, scholarships, mentoring or assisting in internship and service learning opportunities, and many other ways. Our alums also speak fondly of lifelong friendships developed with fellow Hamline students, staff, and faculty—many of whom still remain in contact as mentors.

Outstanding Faculty

Ninety-five percent of Hamline's full-time teaching faculty hold the highest degree in their fields—the strongest testament to quality faculty. Hamline professors teach both introductory and advanced courses. In addition, they pay close attention to new developments in their field bringing both innovation and experience to the classroom. Faculty are given both institutional support and recognition for developing new and effective ways of teaching, advising, and assessing each student's performance in meeting the goals for the Hamline Plan.

Not only are Hamline faculty great teachers, they are also noteworthy scholars. Each year, most members of the faculty publish books and articles or present papers at regional, national, and international conferences. They have authored nationally acclaimed textbooks in fields such as mathematics, psychology, political science, microbiology, and more.

In the area of art, for example, Hamline professors receive public and private commissions, and their works are maintained in museum collections and exhibited in major shows in the United States and Europe. Additionally, Hamline faculty publish scholarly journals including *The Hamline Review*, *Critique: Journal for Critical Studies of the Middle East*, *The Venezuelan Literature and Arts Journal*, and one online journal, *Making the Global Local*, among others.

The many professional activities of Hamline's faculty result in influence and influential contacts within many fields. Faculty expertise and connections, in turn, enrich the educational experiences and the career prospects of Hamline students. Faculty guide students toward internships and independent studies, and work with them on collaborative research projects, all the while maintaining their commitment to students' mental, ethical, spiritual, physical, and professional development.

Inclusive and Positive Environment

Students who come to Hamline find a welcoming, safe, supportive, and diverse learning environment. The Hamline University Board of Trustees, the president, faculty, and staff are committed to "inviting, supporting, and affirming cultural diversity on campus," where all "university programs and practices, academic and co-curricular, shall be designed to create a learning environment in which cultural differences are valued.

Examples of this commitment in the College of Liberal Arts and School of Business include:

- The Hedgeman Center for Student Diversity Initiatives and Programs that provides services, resources, and opportunities for students to learn about, embrace, and celebrate diverse ethnic, racial, and cultural identities.

- Hamline University Conference on Race and Ethnicity (HUCORE), an annual retreat for undergraduate students to learn about issues of race, racism, and racial justice.
- Admission officers trained to recruit (locally and nationally) students of color.
- A full-time director of disability resources for students with physical or learning challenges.
- An annual "Commitment to Community" lecture series, organized entirely by Hamline students, featuring notable speakers such as Cornel West, Winona LaDuke, and Kweisi Mfume.
- A week-long World Fest celebration to celebrate and increase awareness about the many cultures present on campus.
- Student organizations that fit the needs and respect the lifestyles of many different groups.
- Ongoing support from the administration for diversity and community programs and projects, including a collaborative partnership with the Penumbra Theatre Company, Minnesota's only African-American theatre company and only one of three in the nation to offer a full season of performances.
- A cultural-breadth requirement in the academic curriculum.

Admission to Hamline University

Hamline University seeks to admit students who demonstrate a working knowledge of the major academic disciplines; have developed the writing, speaking, reasoning, and study skills to be successful in the university's academic programs; and demonstrate the motivation and maturity to meet the academic and social challenges of a selective, residential, liberal arts college.

In the evaluation process the admission committee considers secondary school course selection and performance in academic subjects as the most important indicators of ability. The minimum recommended pattern of college preparatory subjects includes:

1. Four years of English, including one year of college preparatory writing;
2. Three years of mathematics, including two years of algebra and one year of geometry or the equivalent;
3. Three years of science with laboratory experience;
4. Three years of social science;
5. Two years of a foreign language.

A secondary school diploma or its equivalent is required for admission except as noted below. Students who have not completed the recommended courses but whose scholastic record and aptitude indicate the possession of the characteristics described above are invited to submit their credentials for consideration.

The admission committee also considers an applicant's rank in class, test score results, recommendations, and co-curricular

involvement as indicators of preparation for academic and social environments. Evidence of leadership qualities in school and in the community at large is considered as an especially positive indicator.

While admission interviews are not required of all applicants, they are strongly encouraged. In addition to the requested application materials, some applicants may be asked to provide the results of additional course work, and/or complete an admission interview.

The university offers three admission plans for first-year students: early decision, early action and regular decision. Students applying under the early decision plan should be sure that all application materials are on file at the Office of Undergraduate Admission by November 1. Hamline's early decision program is binding: if you are admitted you agree to attend Hamline. Students applying under the early action plan should be sure that all application materials are on file at the Office of Undergraduate Admission by December 1. Hamline's early action program is non-binding; you may apply to other colleges. Students applying under the regular decision plan should be sure that all application materials are on file at the Office of Undergraduate Admission by January 15. Hamline's regular decision program is non-binding; you may apply to other colleges. Students applying after January 15 will be considered under the rolling admission plan. Completed applications will be reviewed on a rolling basis.

Transfer students are offered admission plans for both fall and spring terms. The early action deadlines for transfer student admission are March 15 and June 1 for fall term and December 1 for spring term. Hamline's early action program is non-binding; you may apply to other colleges. The regular decision deadlines for transfer student admission are August 1 for fall term and January 10 for the spring term. Applications received after these dates will be reviewed based on space availability.

Students who are not offered admission may appeal the committee's decision by filing a letter of appeal with the director of undergraduate admission. Appeals will be considered only if new information in favor of admission can be provided.

Please see the Admission Procedures, Finances, and Financial Aid section of this Bulletin for additional information.

Educational Goals: The Hamline Plan

The Hamline Plan is goal-driven, with educational goals tied directly to graduation requirements. General education courses are as important as courses in the major. The Hamline Plan emphasizes the responsibility each student has for his or her own education and the necessity for students to reflect upon and articulate what they have learned to the larger community. Students and faculty advisors approach the

Hamline Plan not as a series of requirements, but as a foundation for discovery. For the student who seeks a truly liberal education, the Hamline Plan offers a wide and ever-changing selection of learning opportunities.

All departments offer Hamline Plan courses. Usually specific requirements can be met by more than one course. Many courses fulfill more than one requirement. The Hamline Plan consists of the following ten educational goals. (For specific graduation requirements see the Graduation Requirements: The Hamline Plan section.)

1. UNDERSTAND THE LIBERAL ARTS

The student begins his or her Hamline education by taking one of the many First-Year Seminars, which provide an introduction to college and a sense of community in small classes for first-year students only. The seminar concentrates on developing the skills of careful reading, critical analysis, group discussion, and writing that are basic to all college level study and basic to the success of students after college. Topics are interdisciplinary and vary from year to year.

2. COMMUNICATE EFFECTIVELY IN WRITING

First-year English is the beginning of writing at Hamline. The student completes at least one course each year that focuses upon the written communication needs within each discipline (such as biology, history, or art). A writing-intensive course has three objectives: (1) to designate specific written communication objectives appropriate to the course and the discipline; (2) to enable the student to practice writing with guidance from the instructor, allowing feedback before the final product and building upon the student's writing strengths; and (3) to focus on the written communication process as well as the final product. The student gains experience writing and receiving feedback from the instructor and/or peers to build strengths in writing.

3. COMMUNICATE EFFECTIVELY IN SPEAKING

The student completes two courses designated as "speaking-intensive," which may be offered in any department and involve explicit attention to the speaking process as well as the subject matter of the course. Emphasis is given to discussion and student presentations. A speaking intensive course has three objectives: (1) to designate specific oral communication learning objectives appropriate to the course and the discipline; (2) to enable the student to practice and to analyze oral communication behaviors; and (3) to focus upon the oral communication process as well as the final product. The student gains experience in oral communication and discussion dynamics with coaching and response from the instructor or peers.

4. REASON LOGICALLY

The human mind has developed systems of thought that aid understanding and problem solving. Mathematics is the prime example, having been developed and refined for over 2000 years. But there are other systems of structured analysis, including logic and statistics. Every Hamline student takes one or more courses that touch on each of these two areas: formal/logical reasoning and quantitative analysis.

5. UNDERSTAND VARIOUS DISCIPLINES AND HOW THEY INTERACT

The academic disciplines taken together represent the most fundamental and useful bodies of knowledge, methods of investigation, and perspectives of the world ever devised by the human mind. Acquaintance with the major divisions of knowledge gives the student a rich background for his or her specialized learning.

Courses that meet this requirement are essentially introductions to the disciplines. They include active learning as well as lectures, involving exercises in which the student learns on his or her own and in which, with guidance, he or she is held responsible for drawing his or her own conclusions from new studies. Examples include discussion, problem solving, application of ideas, and laboratories.

Courses that meet disciplinary breadth criteria introduce the student to the methods of learning and the context of interpretation inherent in the discipline. They provide insight into the process of research and ways for the student to experience the methods of the discipline. Disciplinary breadth courses also encourage and facilitate lifelong learning by confronting issues or exploring problems or raising value questions.

Each student takes courses in each of the following four areas of study:

- **Fine arts.** The most insightful and powerful expressions of the human spirit—dreams, fears, joys, awe—are produced by artists. Music, painting, sculpture, prints, ceramics, and theatrical productions are age-old ways for men and women to interpret and express their humanity. The Hamline student is aware of the creative and expressive arts, conversant with their forms and structures, and appreciative of their values.
- **Humanities.** The humanities encourage the student to develop an awareness of the ethical, aesthetic, spiritual, and historical dimensions of experience. They do so in part by heightening the student's ability to understand texts and the relationship between language and culture. The humanities strengthen the student's ability to analyze, to recognize complexity and diversity, and to find creative solutions.

- **Natural sciences.** The study of natural science disciplines provides grounding in fundamental principles of science and in methods of observation as well as accentuates the understanding of experimental, analytic, and laboratory methods of gathering and evaluating data. Learning how science works-and also the assumptions of science and scientific methods-teaches the student the tremendous impact science and technology have had on human culture.
- **Social sciences.** These academic disciplines explore human behavior and social institutions. Social sciences emphasize theories and methods of study. The student learns the extent to which human beings create their social environment, sees the range and variability of ways to live, and perhaps gains a degree of control over his or her own situation.

6. UNDERSTAND THE COMPLEXITIES OF LIVING IN A DIVERSE WORLD

The goal of the diversity requirement is to help students demonstrate an understanding of systemic inequalities, power differences, and interdependencies of people in a diverse world. Students will engage in intellectual discourse and reflection about and across differences. They will be able to demonstrate knowledge and understanding of diverse cultures, and reflect upon their own and others' social identities (gender, race, ethnicity, religion, sexual orientation, dis/ability, class, etc.).

7. CONDUCT INDEPENDENT CRITICAL INQUIRY AND DEMONSTRATE INFORMATION LITERACY

Beginning in the first year, and building through intermediate course work in the major, students learn to frame a critical inquiry project and to find and evaluate information as part of a process of investigation. They develop the skills to determine which information is appropriate to their discipline and learn how to use information responsibly, integrating multiple perspectives. The developmental arc culminates in an advanced-level learning experience where students identify a meaningful and answerable question, develop appropriate methods of study, and present the results of their investigation.

8. PRACTICE THE LIBERAL ARTS

The purpose of the Liberal Education As Practice (LEAP) requirement is to encourage student development as liberal-arts educated practitioners and global citizens. The LEAP requirement provides a structure in which students can synthesize and integrate their academic skills and their career development through hands-on practice. Also, they can explore connections between their LEAP experience and the mission, vision, and values of Hamline. LEAP courses and experiences have a strong emphasis on hands-on, experiential learning. Many LEAP experiences - including study abroad, service-learning, community-based

learning, and internships - are classified as high-impact learning practices. It is strongly encouraged that students' LEAP experiences take place in their majors, and that students participate in more than one LEAP experience during their Hamline career.

9. ESTABLISH DEPTH IN ONE AREA

A student's major is an integral part of the Hamline Plan. Having a "major" allows the student to understand the subtleties and complexities of a particular field while also exploring both differences and connections between his or her chosen field of concentration and other disciplines. This understanding creates a sense of competence and confidence and points toward a career or advanced study in graduate or professional school. At Hamline, each student may choose from among 36 majors in traditional academic disciplines and interdisciplinary areas. It is also possible for the student to design his or her own major field of study through the Flexible Curriculum Option.

The Hamline Tradition

Hamline University was Minnesota's first university, founded in 1854 by a group of visionary Methodist ministers and educators to provide education, leadership, and service to the frontier peoples of the Minnesota territory. Hamline's affiliation with the United Methodist Church complements its liberal arts tradition by encouraging the exploration of spiritual values within a social and cultural context. From that exploration comes an emphasis on the individual development of personal values.

Hamline educated and prepared Minnesota's first teachers, lawyers, judges, physicians, public administrators, and business people. This tradition has carried on for over 160 years, encouraging the exploration of spiritual values within a social and cultural context and fostering ethical leadership in service to society.

Hamline University offers bachelor's, master's, doctorate degrees-as well as certificates, professional development, and continuing education courses-to a diverse and select group of women and men. We also maintain an affiliation and collaborative relationship with Mitchell | Hamline School of Law, an autonomous law school created by the combination of Hamline University School of Law and William Mitchell college of Law. Today, Hamline University is a high-quality, top ranked liberal arts university with more than 5,000 students within the College of Liberal Arts, School of Business, School of Education, and in our relationship with Mitchell | Hamline School of Law.

Academic Standards and Policies

Each student is personally responsible for following the procedures and meeting the requirements of the university as set forth in the Bulletin. Hamline University undergraduate students ordinarily fulfill the Bulletin requirements in effect at the time they first enter Hamline; however, they may choose to meet the requirements to any subsequent Bulletin during their enrollment. Students who interrupt enrollment for more than one academic year must fulfill the Bulletin requirements in effect at the time of reentry/readmission, or they may opt to fulfill the requirements in the last previous Bulletin. Only with the written approval of the appropriate department chairperson or program director can students elect to fulfill the requirements of any previous Bulletin. The department chairperson or program director assists with this choice and ensures that such changes are officially recorded with Registration and Records. Students must choose major, minor, and certificate requirements from the same Bulletin (catalog year).

Graduation Requirements: The Hamline Plan

The following sections list the Hamline University undergraduate graduation requirements. Successful completion of these requirements results in a Bachelor of Arts, Bachelor of Business Administration, Bachelor of Fine Arts, or Bachelor of Science degree. *Requirements for transfer students, if they are different, are noted within each section in italic print. Other than where specified, Hamline Plan requirements can be fulfilled by transfer coursework.*

The Hamline Plan requirements do not constitute a set number of courses. Courses that fulfill Hamline Plan categories are designated with the appropriate Hamline Plan code letter(s) on class schedules, available online at www.hamline.edu/classchedules. Grades of D- or higher are required in order to receive Hamline Plan designations. All students are responsible for understanding the Hamline graduation requirements. Contact the Registration and Records office or Academic Advising for clarification on any of the graduation requirements.

First-Year Seminar (FYSem) - 1 course

All new first-year students 24 years of age or younger throughout the first term of attendance are required to take a First-year Seminar in the first semester. First-year students who transfer Post-Secondary Enrollment Options (PSEO) work are not exempt from this requirement. Students may not drop or withdraw from the first-year seminar nor complete it on a Pass/No Pass grading basis.

Transfer students are exempt from this requirement unless special circumstances are determined in the admissions process.

Expository Writing (E) - 1 course

This requirement is generally fulfilled by ENG 1110: Writing and Reading Texts, which must be completed during the first year at Hamline. Students who receive Advanced Placement (AP) or International Baccalaureate (IB) English composition credit must still register for English 1110 or a writing-intensive FYSem. The AP or IB English credits count for credit toward the degree, but Hamline faculty members believe writing is an essential skill and thus require a first-year college-writing experience. Please note that Hamline University's ENG 1110 also counts as a disciplinary breadth course in the Humanities (H).

If you are granted credit for a PSEO or College in the Schools (CIS) English composition course, this will generally satisfy your first-year writing requirement. However, you are encouraged to enroll in a writing-intensive FYSem to continue developing your college writing skills. If you have taken college courses through a PSEO program, you must have your transcript sent to Hamline to be evaluated for transferability.

Do not register for Hamline courses that you will be transferring as a result of PSEO coursework. You will not receive credit for courses that are repeated.

Writing Intensive (W) - 1 course minimum per year

Writing-intensive courses must be taken at Hamline, and a minimum of one writing-intensive course is required each year a student is in attendance. (Fall/spring is considered a year of attendance for students who begin at Hamline during the fall term; spring/fall is considered a year of attendance for students who begin at Hamline during the spring term.) For students who begin as first-year students at Hamline, ENG 1110 (E) is considered the writing-intensive course for the first year and one writing-intensive (W) course is required each subsequent year. Students who do not complete a writing-intensive course during a year must complete an extra writing-intensive course the following year; students who take two writing-intensive courses in one year may not apply one to a subsequent year.

One writing-intensive course is required within the major department; if multiple majors are declared, one writing-intensive course must be completed in each major department.

Exception: Students enrolled in a Hamline-approved off-campus program for a full year do not have to complete a writing-intensive course for that year.

Transfer students do not transfer writing-intensive courses to Hamline; one per year in attendance at Hamline is required in addition to satisfying the Expository Writing requirement. Transfer students needing six full-time (minimum of 12 credits) semesters to complete the Hamline degree must complete three writing-intensive courses. Transfer students needing four or five full-time semesters to complete the Hamline degree must complete two writing-intensive courses. Transfer students needing fewer than four full-time semesters to complete the Hamline degree must complete one writing-intensive course (and are encouraged to complete two).

Speaking Intensive (O) - 2 courses

The required speaking intensive courses can be taken at any time and in any academic department.

Transfer students may transfer one speaking-intensive course to Hamline; one must be taken at Hamline. Students transferring as juniors (64 or more semester credits) are required to take only one speaking-intensive course, but it must be taken at Hamline.

Formal Reasoning (R) and Quantitative Reasoning (M) - 1 or 2 courses

Students must complete both categories of Reasoning. This can be accomplished through one formal reasoning course and one quantitative reasoning course, or through one course that carries both the R and M designations.

Disciplinary Breadth

- **Fine Arts (F) - 2 courses*** - Fine arts courses can usually be found in Studio Art, Art History, Music, Theatre Arts, and Anthropology.
- **Humanities (H) - 2 courses** - Humanities courses can usually be found in English, Modern Languages, Philosophy, and Religion.
- **Natural Science (N) - 2 courses with labs** - Natural science courses with labs can be found in Anthropology, Biology, Chemistry, Criminal Justice and Forensic Science, and Physics.
- **Social Science (S) - 2 courses** - Social Science courses can usually be found in Anthropology, Communication Studies, History, Legal Studies, Economics, Political Science, Psychology, and Sociology.

*Music performance, ensemble, or lessons courses that are fewer than four credits must be taken enough times to equal eight credits in order to fulfill the fine arts requirement. Three-credit transfer courses may satisfy one fine arts requirement.

Diversity (D) - 3 courses

Students are required to complete courses which engage them in intellectual discourse and reflection about and across

differences. Diversity courses may be found across the curriculum.

Independent Critical Inquiry and Information Literacy (Q) - 1 course

This requirement follows a developmental arc that begins with experiences in the First Year Seminar, is built upon in mid-level courses in a student's major, and culminates in an advanced-level course. The Q is documented at the final, culminating course.

LEAP: Liberal Education as Practice (P) - 1 course or registered experience

One course or experience is required. Students are encouraged to participate in LEAP experiences in their majors and to engage in more than one LEAP experience during their Hamline career. LEAP experiences include LEAP (P) courses as well as faculty-advised internships, undergraduate research projects, apprentice teaching, and qualifying independent studies/projects.

Transfer students fulfill this requirement at Hamline under the direction of a Hamline faculty member.

Major Requirements

A major is a field of concentration, ranging from 32-74 credits, depending on its requirements. At least 16 credits in a student's major must be taken at Hamline. A major must be declared by the end of the sophomore year and may not be declared before the spring semester of the first year. Students must be aware of the requirements for their major as outlined in the Hamline *Undergraduate Bulletin* and are expected to meet the major requirements that are in effect at the time they declare. Grades of C- or higher are required for all major courses, and the GPA for all major courses together must average 2.0 or better. Undergraduate program sheets listing requirements for each major are available at www.hamline.edu/ugrequirements.

Transfer students must take at least 16 credits in their major at Hamline. Transfer students must meet with a faculty advisor upon arrival at Hamline to determine the transferability of their major courses. Written approval of major courses by the advisor is recommended as soon as possible after the first advising appointment. Advisors approving transfer work have the right to ask the student for course descriptions and have the option to defer the decision to the department chair.

Hamline Majors (degree awarded is noted):

Anthropology (BA)
 Art (BA)
 Art History (BA)
 Biochemistry (BS)
 Biology (BA or BS)
 Business Administration (BBA)

BBA Concentrations:

- Accounting
- Business Analytics
- Finance
- General Business
- International Business
- Management
- Marketing
- Sport and Recreation Management

Chemistry (BA or BS)
 Communication Studies (BA)
 Creative Writing (BFA)
 Criminal Justice (BA)
 Digital Media Arts (BA)
 East Asian Studies (BA)
 Economics (BA)
 Economics-Analytical Economics Concentration (BA)
 Economics-Financial Economics Concentration (BA)
 Education Co-Major (BA, may be declared only as a secondary major)
 English (BA)
 Environmental Studies (BA)
 Exercise Science (BA)
 German (BA)
 Global Studies (BA)
 History (BA)
 Latin American Studies (BA)
 Legal Studies (BA)
 Mathematics (BA or BS)
 Music (BA)
 Philosophy (BA)
 Physics (BA or BS)
 Political Science (BA)
 Psychology (BA)
 Public Health Sciences (BA)
 Religion (BA)
 Social Justice (BA)
 Social Studies (BA)
 Sociology (BA)
 Spanish (BA)
 Theatre Arts (BA)
 Women's Studies (BA)

Individually designed majors can be developed by students who have other needs and goals, if the courses are available (see Flexible Curriculum Option). Hamline offers minors in most of the above categories as well as African-American Studies, Computer Science, Conflict Studies, and Middle East

Studies. See www.hamline.edu/ugrequirements for a list of all majors and minors.

Certificate programs are available in Conflict Studies, Forensic Sciences, International Journalism, and Paralegal Studies.

Double Majors - A double major is the awarding of one degree with two majors. A student must declare both majors and fulfill all requirements of each in addition to satisfying all university requirements. Double majors must be within the same degree (e.g., both must be either a B.A. or B.S.). Following the conferral of the degree, the student transcript will note one baccalaureate degree with two majors. Students completing two majors with differing degree types (e.g., chemistry under the B.S. and German under the B.A.) are considered double degree students. See Double Degrees below for more information.

Students pursuing two majors must:

- Complete a writing-intensive (W) course in both major departments
- Have at least four unique courses in both majors or four unique courses in the concentration if one or both of the majors are interdisciplinary
- Complete 76 credits outside both major departments—in these cases, each major will usually count outside the other

Majors Available within the Associated Colleges of the Twin Cities (ACTC) -

A major that Hamline does not offer may be completed at any of the other four ACTC colleges if it is obviously within the liberal arts tradition (examples are classics at the University of St. Thomas or geology at Macalester College). Additionally, a major of up to eight specialized courses with a specific career orientation may be completed at one of the other ACTC colleges provided the student also has an appropriate liberal arts major at Hamline. Students who wish to complete a major at another ACTC college must submit a flexible curriculum major proposal to the Undergraduate Curriculum Committee. The form is available at www.hamline.edu/registrar/forms.

Flexible Curriculum Option - The flexible curriculum option is offered for students who wish to develop a major or minor that is unique to their needs, but which satisfies the spirit and intent of Hamline's graduation requirements. Such a major or minor might involve a coherent interdepartmental sequence of courses that addresses a particular topic or theme.

The flexible curriculum option requires the approval of an appropriate Hamline faculty advisor and the Undergraduate Curriculum Committee. Students should be prepared to state why their proposal is important to their program or educational intellectual development. Flexible curriculum proposal forms can be obtained in the Registration and Records office or at www.hamline.edu/registrar/forms and must be approved no later than the end of the junior year.

Minor Requirements

A minor is not required to graduate from Hamline although many students take advantage of the opportunity to complete minors. Most minors require five or six courses. Students completing a minor that is similar to their major must have at least three unique courses in the minor that are not used in the major or interdisciplinary major concentration. Multiple minors with overlapping coursework must also have three unique courses in each minor. Grades of C- or higher are required for all minor courses, and the GPA for all minor courses together must average 2.0 or better.

Transfer students must seek approval from their minor department chair for transfer work to apply toward a Hamline minor.

Breadth of Study Requirement (credits outside the major department)

Students must complete a total of 76 credits outside of their major department. These credits can come from any course that does not have the designation of their major department.

Majors that require supporting courses from other departments may count those courses toward the breadth of study requirement. Interdisciplinary majors usually have an area of concentration. The concentration courses and any courses that have the designation of the major department are counted as inside the major; supporting courses from other departments count as outside the major for the purposes of the breadth of study requirement. When completing an interdisciplinary major that does not have a concentration, all courses not from the major department and all courses not specified as required will count toward breadth of study.

If students choose to take courses that are within their major department but are beyond what is required for their major, those courses will not count toward the breadth of study requirement. Students completing multiple majors must have 76 credits outside each major department. In these cases, each major will usually count outside the other.

Residency Credits

All Hamline students are required to complete a minimum of 128 credits to graduate and obtain a minimum cumulative grade point average (GPA) of 2.0.

Twenty-eight of the last 32 credits, and at least 56 total credits, must be completed in residence at Hamline or within the ACTC exchange, Hamline approved off-campus programs, or HECUA. Sixty residency credits graded A-F are required to be eligible for Latin honors at graduation.

Conferral of Degree

The conferral of degree will occur once all graduation requirements have been satisfied and the degree has been

cleared by Registration & Records. Once the degree has been conferred no changes will be made to the academic record, which includes, but is not limited to the following: grades, GPA, major(s) and/or minor(s), degree type, etc. The academic record is considered sealed at the time of conferral and no changes will be made. Once a degree is conferred, a student may not return to add a major, minor, or concentration to that degree.

Double Degrees

The double degree is the concurrent awarding of two different baccalaureate degree types (e.g., B.A. and B.S.). If a student completes two majors within one degree type, he/she will be awarded a double major (one degree with two majors), not two degrees regardless of the number of credits earned. (See Double Majors above.) A double degree may not be earned with the same major (e.g., a B.A. and B.S. in Physics). Following the conferral of both degrees, the student will receive two diplomas.

A Hamline University student may earn two different degrees if the following criteria are met:

- Degree types must be different
- At least 140 credits must be completed
- Both sets of degree requirements must be fulfilled before either degree is awarded

Subsequent Degrees

Some students decide to return to their studies after they have received their first baccalaureate degree. A subsequent degree is the awarding of a baccalaureate degree different from the first degree awarded. A student may not earn multiple degrees of the same type. A student returning to Hamline University to complete a second baccalaureate degree must apply for admission and meet admission criteria for that degree.

To receive a second baccalaureate degree, a student must complete (1) all degree requirements not satisfied by the previous degree and (2) a minimum of 12 additional credits taken in residence at Hamline University. Coursework seven or more years old approved by the academic department might apply toward the second baccalaureate degree. A student returning to complete a second baccalaureate degree is not eligible to participate in commencement. Once a degree is conferred, a student may not return to add a major, minor, or concentration to that degree.

Other Academic Standards and Policies

Academic Calendar

The Academic Calendar can be found at: www.hamline.edu/academiccalendar. Please note that this calendar is subject to change.

Hamline follows a 4-1-4 academic calendar. During each of the 15-week fall and spring terms a student has a normal schedule of four 4-credit courses. Students have the option of taking one 4-credit course in the one-month winter term. In a nine-month academic year a student typically completes 32 semester credits. New students normally begin classes in either the fall or spring term. The calendar offers flexibility in curriculum planning and opens the way for the student to combine a variety of off-campus experiences with classroom learning. Many students have used the winter term for independent study projects requiring off-campus study, or for study abroad.

Summer session is considered separate from the regular academic year. During summer, two four-week terms and an overlapping ten-week term are scheduled. Summer study at Hamline enables students to make up credits, accelerate progress toward their degrees, take courses that might be difficult to schedule in a regular term, or take advantage of reduced summer tuition.

Students should consult the summer term website at www.hamline.edu/summer for further information.

Academic Integrity and the Hamline University Academic Honor Code

Statement of Purpose

Every member of the Hamline University community—students, faculty, administrators, and staff—is responsible for upholding the highest standards of academic integrity at all times. The assumption that academic work is an honest reflection of one's knowledge and skills is fundamental to the integrity of Hamline University and to the value of a Hamline diploma. If students at an institution of higher education develop a reputation for receiving grades based on honest work, GPAs and academic degrees held by all students from that institution are valued more highly. The faculty subscribe to standards of academic honesty in their research and teaching. Every person in the University is responsible for adhering to the principles of the Academic Honor Code.

Principles

Academic dishonesty includes any act that has the effect, or intention, of giving one student an unfair advantage over others in the completion or evaluation of academic work

and/or inaccurately representing one's academic work. Prohibited conduct under the Code includes, but is not limited to, the following:

Cheating

- Using notes or other source materials (without instructor permission) on a quiz/exam
- Copying another student's answers on a quiz/exam
- Using electronic devices (e.g., phones, pagers, computers, calculators) in an unauthorized manner during an exam
- Copying another student's homework assignment
- Submitting, in whole or in part, a paper that is not your own work (e.g., purchasing a paper on the internet or submitting another student's paper)
- Collaborating on a take-home exam assigned to be completed individually
- Altering answers on a graded exam or assignment in order to resubmit your work for a better grade.

Plagiarizing

Plagiarism is the act of using ideas and information from any source, published or unpublished, without proper attribution (e.g., from a book, journal, newspaper, report, speech, media broadcast, interview, or the internet). Includes but is not limited to:

- Quoting, paraphrasing, or otherwise using text from a source without crediting the author
- Copying sentences, phrases, or other language verbatim from a source without using quotation marks
- Presenting work completed by another individual (including another student) as your own.

Making Multiple Submissions

- Submitting, without prior authorization, a paper or assignment completed for one class to fulfill a requirement for another class.

Fabricating Information

- Using and/or submitting fabricated or altered information for any academic exercise or requirement; e.g., making up data for an experiment or citing non-existent sources in a paper
- Fabricating or lying about reasons for requesting an extension on a quiz/exam, paper, or other assignment.

Using Materials in an Unauthorized Manner

- Stealing or otherwise acquiring unauthorized access to examinations or faculty instructional materials
- Removing books, periodicals, or other sources from the library without permission
- Damaging books, periodicals, and other library sources
- Keeping library and reference materials beyond permitted time with the intent of preventing others from using them (e.g., items on reserve).

Misrepresenting Academic Records

- Misrepresenting or tampering with, or attempting to misrepresent or tamper with, any portion of an academic record either before, during, or after enrollment at Hamline
- Forging a signature on a declaration of major, change of grade, or other form
- Altering, or attempting to alter, academic computer records
- Falsifying academic information on a resume.

Facilitating Academic Dishonesty

- Knowingly engaging in any act that facilitates the academic dishonesty of another student; e.g., permitting another student to copy your answers on a quiz/exam or assignment
- Giving or selling a quiz/exam, paper, or assignment to another student
- Informing students in later sections of a class of questions on a quiz/exam.

Violations and Sanctions

Violations of the Academic Honor Code will be dealt with seriously. If a student is accused of engaging in academic dishonesty in a class, the faculty member may decide on a sanction for the student (e.g., assign a failing grade for an exam or the course). The student will be informed of the alleged violation, the evidence upon which the allegation is based, and the sanction to be imposed. The faculty member will file a violation form with the Office of the Dean where the course is housed, which will maintain a permanent record of reported student violations. Students may appeal to the Chair of the Department in which the class is housed. Should a student be dissatisfied with the decision of the Department Chair, the student may appeal to the appropriate academic Dean. The decision from that office will be final.

Sanctions for students found to have engaged in academic dishonesty may include:

- Failing or receiving a lower grade on an exam, paper, or assignment
- Failing or receiving a lower grade for a course
- Academic suspension or expulsion

Academic Load

The typical program of study consists of 32 credits distributed annually over fall, winter, and spring terms. The maximum credit load allowed is 20 credits in the fall or spring terms, 4 credits in the winter term, and 8 credits in the summer term. (Exception: registration in a 0.5 credit mathematics or science seminar or theatre production experience is allowed beyond the maximum credit load.)

Accreditation

Hamline University is accredited by the Higher Learning Commission (HLC), a regional accreditation agency that accredits degree granting institutions of higher education that

are based in the 19-state North Central region of the United States. More information about Hamline University's accreditation status may be found on the [HLC website](#). The Commission is located at 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1413 and can be reached at 800-621-7440.

Hamline University is also accredited by the:

- American Bar Association
- American Chemical Society
- National Association of Schools of Music
- National Council for Accreditation of Teacher Education
- University Senate of the United Methodist Church
- Minnesota Department of Education/Board of Teaching

The university holds memberships in the:

- Association of American Colleges and Universities
- Association of Independent Liberal Arts Colleges for Teacher Education
- American Association of Colleges for Teacher Education
- American Association of Collegiate Registrars and Admission Officers
- American Association of Higher Education
- Associated New American Colleges and Universities
- American Council on Education
- College Board of Council for Advancement and Support of Education
- Minnesota Association of Colleges for Teacher Education
- National Association for College Admission Counseling
- National Council on Undergraduate Research

Hamline University is approved for attendance of non-immigrant foreign students under the Immigration and Nationality Act.

Adding, Dropping, and Withdrawing from Courses

The deadlines for adding and dropping courses are listed on the annual academic calendar at www.hamline.edu/academiccalendar. Students who withdraw from courses after the drop deadline receive a grade of W. Registrations dropped during the first two weeks of fall or spring term and the first two days of winter and summer terms are not permanently recorded. For partial term classes, add, drop, and withdraw dates are adjusted accordingly. For information related to withdrawal from Hamline University, please see the *Leave of Absence or Withdrawal* section below.

Attendance

It is the student's responsibility to drop or withdraw from any classes they no longer plan to attend.

Students must attend the first class meeting of all courses for which they are registered. The instructor has the option to

drop a student from a course if the student was not in attendance on the first day and had not made prior arrangements with the instructor. If an instructor opts to drop a student for not attending the first day of class, the instructor will contact the Registration and Records office to have the student officially dropped from the class roster. The student will be notified by email. **Students must not assume they have been dropped if they did not attend the first day of class.**

Thereafter, students are responsible to their instructors for class attendance and for all required work in each course, including work missed because of absence. In dealing with class absences, the instructor may require make-up or additional work; may lower the student's final grade in the course; or may advise the student to withdraw. Academic penalties, including failure of a course, may be imposed for missing class meetings or late assignments. Students are not permitted to attend classes for which they are not registered.

Classification and Status of Students

First-Year status: 0 to 31.99 credits

Sophomore status: 32.00 to 63.99 credits

Junior status: 64.00 to 95.99 credits

Senior status: 96 credits and above

Full-time status for Hamline undergraduate students is defined as a minimum of 12 semester credits per fall or spring term; half-time status is defined as a minimum of 6 semester credits per term.

Commencement

Although the words are often interchanged, "graduation" and "commencement" have different meanings. Graduation occurs when a student has fulfilled all degree requirements. A student may graduate at any point during the academic year, as long as all degree requirements are met.

Commencement is a ceremony held to celebrate the academic achievements of Hamline University students. Participation in commencement does not mean that a student has graduated. A student will not graduate and a degree will not be conferred until all requirements are met, regardless of participation in the commencement ceremony.

Hamline University holds one commencement ceremony each year at the end of spring term. Undergraduate students who have not yet completed all degree requirements may participate in commencement provided that: 1) no more than 8 credits remain after spring term to complete degree requirements; and 2) all remaining requirements will be completed during the summer following commencement.

Completion of all degree requirements and clearance of all financial obligations is required in order to receive a diploma. Diplomas are distributed four times per year, following each term in which students may graduate.

Course Evaluations

All students are expected to participate in the online course evaluation process that the College of Liberal Arts, School of Business, and School of Education administer. Students should consider course evaluations to be part of the work of the course, just like exams and assignments. Individual professors, the Faculty Personnel Committee, and the Dean's office staff read these evaluations carefully and make personnel decisions and curricular changes as a result of student feedback.

Access to view grades may be delayed if a student fails to complete the course evaluation during the open period.

Course Numbers and Course Types

The first digit of each course number indicates the course level. The criteria for determining course levels are:

1XXX: introductory level courses

3XXX: intermediate level courses primarily intended for sophomores, juniors, and seniors

5XXX: advanced level courses primarily intended for juniors and seniors, most 5000-level courses have prerequisites

ACTC (Associated Colleges of the Twin Cities) Cross-

Registration Exchange Program - (Course numbers vary)

Hamline students who wish to register for courses during the regular academic year under the cross-registration exchange program with Augsburg, Macalester, College of St. Catherine, and University of St. Thomas may do so in the Student Administrative Services office. This process takes place during the published registration periods. To participate, Hamline students must be full-time, undergraduate degree-seeking students and may enroll in one course per term as long as it is not offered at Hamline during the same term. Consult Student Administrative Services for specific policy information.

All courses taken under this program are considered to be Hamline courses, provided the work is relevant to a Hamline degree, and are recorded on the student's Hamline record. Credits and grades earned are included in the calculation of the grade point average. The ACTC exchange program is not in effect for summer school classes. For further information, please see www.hamline.edu/actc.

Apprentice Teaching - (Course number 4030) Students may earn a maximum of 4 apprentice teaching credits, graded on the Pass/No Pass system. Apprentice teachers assist faculty with their teaching responsibilities. Registration forms are available in the Student Administrative Services office or at www.hamline.edu/registrar/forms and are due by the last day to add classes in the term of registration.

Collaborative Research - (Course number 4010, or as designated by a specific department) Collaborative research projects offer students the chance to pursue

independent study in greater depth with a faculty member, often in conjunction with the professor's own research. These projects are commonly precursors to Departmental Honors. Proposal forms are available in the Student Administrative Services office or at www.hamline.edu/registrar/forms and are due by the last day to add classes in the term of registration.

Departmental Honors - (Course number 5010) Departmental Honors study is available to selected students. Refer to Departmental Honors at Graduation below.

Independent Study - (Course numbers 1970, 3970, 5970) An independent study project is designed by the student to pursue an area of study not covered by the established curriculum. They are usually registered in a designated academic department but can be taken for interdisciplinary credit (INTD) if listed as such on the proposal form. Independent study projects are graded on the A-F scale.

Students are expected to describe in advance the questions they propose to investigate or goals they hope to achieve, what they intend to do to carry out these investigations or achieve these goals, and the criteria for evaluating the results. Offered without class attendance and with a minimum of formal supervision by an instructor, independent study is important in the educational program at Hamline because it enables students to use critical tools they have developed in investigating areas not covered by the regular curriculum.

Independent studies normally carry 4 credits. Students are expected to do the equivalent amount of work for 4 credits, usually involving 80-120 hours. Proposal forms are available in the Student Administrative Services office or at www.hamline.edu/registrar/forms and are due by the last day to add classes in the term of registration.

Individual Study - (Course numbers are as designated in the curriculum section) If a class is not offered during the term the student needs to take it, students may take the class on an individual study basis with instructor permission. Instructors work individually with students to complete the coursework.

Individual study requires instructor approval; however, instructors are not obligated to teach their classes in this format. Individual study is graded on the A-F letter grading system. Forms are available in the Student Administrative Services office or at www.hamline.edu/registrar/forms and are due by the last day to add classes in the term of registration.

Internships - (Course numbers 3960, 3990, or 5990) Internships are student planned and directed learning experiences that provide opportunities to integrate

academic, professional, and personal skill development. The internship program allows students to experience supervised, meaningful work in a professional setting. To receive credit for an internship, students must work a minimum of 120 hours (150 hours for Legal Studies internships) at the internship work site and complete academic and reflective work under the supervision of a Hamline faculty member. Students must submit a LEAP Learning Agreement (LLA) to the Career Development Center (CDC), as well as three internship performance evaluations by the designated due dates for all registered internships. All internship paperwork is available in the CDC, and internship-related due dates, policies and procedures may be found on the CDC website (www.hamline.edu/cdc).

Students may opt to complete one of two types of internships:

1. **Individual Internships:** Internships that are completed by students independent of a seminar or practicum class. Students may register for a 4-credit or 0-credit internship; 0-credit internships registered in summer term incur a \$525 administrative fee. All registered internships fulfill the LEAP requirement ("P") of the Hamline Plan. Individual internships are graded using the designation HP (high pass), P (pass), or N (no credit). These grades are not calculated in the GPA. With instructor permission, a student may opt to be graded on the A-F grading scale by indicating this choice on the LEAP Learning Agreement form. (The form must be submitted by the due date in order to use the A-F grading scale.) Individual internship credits are considered to be interdisciplinary credits (INTD) unless approved for major or minor credit by a department chair on the LEAP Learning Agreement.
2. **Seminar or practicum classes:** Internships that are completed as part of a seminar or practicum class. These courses satisfy major, minor, or certificate requirements. A total of 4 credits are granted for the internship and the seminar class combined. The seminar or practicum courses may have a different course number designated by the department in which it is offered. Please refer to the departments' curricular offerings for more information.

Registration for an internship is due by the last day to add classes for that term. No more than 12 internship credits can be applied toward a degree. Assistance with the internship search, registration and paperwork processes is available with the Internship Program Director and staff in the Career Development Center.

Special Topics Courses - (Course numbers 1980, 3980, 5980) Courses designated with these numbers are Special Topics and are not part of the regular university curriculum. A student's major or minor advisor or department chair must

grant permission to use Special Topics courses toward major or minor requirements.

Any academic department may offer topics courses; they are generally new or experimental courses. A Special Topics course can be offered two times before it must be approved through the undergraduate faculty to become a standard part of the curriculum and awarded its own course number.

Course Prerequisites and Schedules

Many courses require previous coursework (e.g. MATH 3560, Modern Geometry, has a prerequisite of MATH 1180, Calculus II). Prerequisites are listed with each course description in the *Bulletin* and on the Pipeline online schedule. Course schedules are available to students through the Hamline website at www.hamline.edu/classchedules.

Students are permitted to register for a course that requires prerequisites provided the prerequisite coursework is in progress at the time of registration. However, if the final grade earned in the prerequisite coursework is insufficient, that registration will be voided. The University may drop a student from any course for which prerequisite grade standards have not been met.

A student administratively dropped from a course for not meeting prerequisite standards will be required to consult with Academic Advising and/or the faculty advisor to ensure that they maintain the appropriate course load and continue to make academic progress toward their degree.

Coursework Taken at Other Institutions

A student registered at Hamline in a degree program should consult his or her advisor (for coursework to be applied to a major or minor) or the Registration and Records office (for general education coursework) before enrolling for academic work at another institution. The purpose of this consultation is to gain assurance in advance that the proposed study will be accepted for transfer to Hamline. The chair of the academic department must approve academic work to be credited toward the major or minor.

For detailed information about transfer of credit, please see the Transfer of Credit section under Admission Procedures, Finances, Financial Aid, and Transfer of Credit.

Grade points earned at another institution are not transferable to Hamline. In other words, coursework grades from other institutions will not affect the Hamline GPA with the following exceptions:

1. courses taken through the ACTC exchange program;
2. all courses sponsored by the Upper Midwest Association for Intercultural Education (UMAIE) during the winter term;

3. integral Hamline programs sponsored by other institutions. This applies only to work taken while registered as a degree-seeking Hamline student.

Transcripts and other documents submitted from other institutions and agencies are the property of Hamline University and will not be reissued to applicants, students, alumni, or other parties.

Credit Hour Policy

Hamline University uses the definition of a credit hour as recommended by the US Department of Education:

Federal Credit Hour Definition: A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than: (1) one academic hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or (2) at least an equivalent amount of work as required in paragraph (1) of this definition for other activities as established by an institution, including laboratory work, internships, practica, studio work, and other academic work leading toward to the award of credit hours.

This definition of a credit hour applies to courses at all levels. However, any college within the University may choose to set a policy requiring learning outcomes equivalent to more work than is defined in the federal credit hour definition.

Credit Value

The standard unit of measurement is the semester credit. The majority of classes carry a value of 4 credits. Some courses are valued at 0.5, 1, or 2 credits. Credit values are indicated on schedules and class listings.

For purposes of transferring credits, 6 quarter credits or 1 term credit is equivalent to 4 semester credits. Quarter credits may be converted into semester credits by dividing the number of quarter credits by 1.5 (or multiplying by 0.667). Term credits may be converted into semester credits by multiplying the number of term credits by 4. Applicants transferring credits should check with the Office of Undergraduate Admission to determine credit equivalence. Once application acceptance has occurred, check with Registration and Records to confirm credit equivalence.

Dean's List

The Dean's List policy in this *Undergraduate Bulletin* applies to all students regardless of matriculation term. The Dean's List recognition at the end of either fall or spring term is based on the following criteria:

- a term GPA of 3.500 or higher;
- satisfactory completion of at least 16 credits for the term;
- a minimum of 16 credits graded on the A-F scale for the term.

Courses that are graded HP/P/N will not be counted towards the 16 credits needed to make the Dean's List. A student is excluded from the Dean's List if an N or F or I grade is received. Courses taken in January (winter term), May term, or during the summer do not count toward the required credits for either fall or spring term.

Final Examinations

Final examinations are held at the end of each term according to a schedule established by the Registration and Records office. No final examination may be taken before the regularly scheduled time. Students are not required to take more than two final exams per day in any given term. Students who are scheduled to take more than two final exams on the same day should show their student class schedule to their instructors, and instructors will make reasonable accommodations to adjust the student's exam dates.

Four-Year Assurance of Graduation

First-year students at Hamline University may enter into a partnership with the institution to ensure completion of their bachelor's degree within four years. The student and the university share the responsibility for the success of this endeavor. Should Hamline fail to meet its responsibilities, and provided the student fulfilled her/his responsibilities, the university will provide the additional course or courses needed to complete the degree in the following academic year—at no additional tuition cost.*

A college education requires significant individual responsibility on the part of students. Hamline has in place a proven system of support to facilitate student choice and aid in student intellectual development and the attainment of educational goals. The Hamline Plan, faculty advisors, and academic and student services help students develop and find success in a four-year time frame. The Four-Year Assurance of Graduation does not apply to transfer students.

Student Responsibilities

- Each year students must successfully complete 32 semester credits.
- Students must satisfactorily earn at least a 2.00 GPA each term (passing all major courses with grades of C- or better).

- Students must consult with faculty advisors prior to the opening of registration to ensure the timely completion of the Hamline Plan.
- Students must declare a major by the end of the sophomore year** and work in a timely fashion to complete *Undergraduate Bulletin* stated requirements.
- Students must register for classes at the times scheduled by the Registration and Records office, according to their class standing.
- Students must apply to graduate by the end of their junior year.

Hamline Responsibilities

- Hamline will provide course offerings necessary for students' fulfillment of the Hamline Plan.
- Hamline will provide faculty advising and advising support for degree programs.***
- Hamline will provide tuition-free coursework in the fifth academic year if the university fails to meet the above obligations.

* Fees and Room and Board are not included.

** Although many Hamline students declare double majors and finish within four years, Hamline cannot assure that a student will complete more than one major in four years. This assurance does not require Hamline to provide additional coursework beyond the fourth year to complete a double major or double degree.

*** The four-year assurance policy does not extend to special programs such as Early Admission Law, education licensure, or any certificate program.

Grade Definitions and Grading Information

Grade	Honor Points	Definition
A	4.0	Excellent
A -	3.7	
B +	3.3	
B	3.0	Good
B -	2.7	
C +	2.3	
C	2.0	Fair
C -	1.7	
D +	1.3	
D	1.0	Barely Passing
D -	0.7	
F	0.0	Failing-no credit
HP	*	High Pass
P	*	Pass-(Equal to a C- grade or better), internships, credit by examination, and student teaching courses.
N	*	No credit
W	*	Withdrawn
EX	*	Term registered, final grading into later term.
I	*	Incomplete-indicates further work is to be completed. Unless finished by the terms of the incomplete contract, the grade becomes F or N.
AU	*	Audit

*Not computed in GPA.

Grades must be a C- or higher to apply to major, minor, or certificate requirements. Graduation requirements are not considered complete until all courses have final grades (no incompletes; no ungraded courses).

Auditing Courses - Full-time students may audit courses without extra charge with permission of the instructor involved. Such auditing must be recorded with the Registration and Records office. A \$100 fee is charged for part-time and special students choosing to audit. An audit registration form is available in Student Administrative Services or at www.hamline.edu/registrar/forms. A final grade of AU is assigned to the student's permanent record. No credit is earned. An audit is irreversible; once registration is entered on an audit basis, it cannot be changed to a credit basis.

Incompletes - Regularly scheduled courses, independent studies, and internships are to be completed within one term. With an instructor's approval, a student may take an incomplete ("I") in a course. An "I" will be given only in unusual circumstances that are beyond the control of the student. An "I" cannot be granted for failing or uncompleted work (a substantial portion of the work must have already been completed). An instructor must update an "I" to a final grade within four months after the end of the registration term (or by August 31 if the student intends to graduate in the summer). Otherwise, the "I" will convert to an "F" grade.

If an "I" has been converted to an "F," the student may complete the necessary coursework, at the instructor's discretion, within one year in accordance with the grade change policy. The student may not complete coursework after that time.

Note: All instructors enter "I" grades via Pipeline before a term's grading deadline. However, for undergraduate students, the instructor must also file an agreement for an incomplete (completed between the undergraduate student and the instructor) with his/her department chair before the final grade deadline for the term. The form is available at www.hamline.edu/registrar/forms.

Pass/No Pass (P/N) Grading Option - Students are allowed choose the Pass/No Pass grade option for one course each academic year at Hamline. Students must declare their intent to take a course P/N by the official drop/add date of that term. The Pass/No Pass card must be signed by the department chair of the course to be taken and delivered to the Student Administrative Services office by the published deadline. **Once declared, the P/N decision is irreversible.**

A grade of P is given only for courses that would otherwise be graded C- or higher. Not all courses may be taken on a P/N basis (first-year seminar, for example). Academic departments are under no obligation to offer a P/N option in a class. Courses required in a student's major should not ordinarily be taken P/N and some departments do not allow P/N options to majors. Students on academic probation may not take a course P/N. Internships, student teaching, and courses designated P/N do not count in the student's one-per-year limit. Please see the **General Honors at Graduation (Latin Honors)** policy for information related to Pass/No Pass grading.

Repeat of D, F, or N Grades - Only those courses in which grades below a C- were received may be repeated for credit/GPA purposes. All grades earned remain permanently on the transcript record; however, only the grade and credit recorded for the last time the D, F, or N graded course is taken are used in the calculation of the cumulative GPA and credits earned. Students incur normal tuition charges for repeated courses. *When a repeated*

course is a transfer course, the repeated grade is not counted in the Hamline GPA.

Grade Reports, Transcripts, and Records - Grade reports are available for students to view on the university's secure website, Piperline (www.hamline.edu/piperline). Midterm grades are reported for fall and spring terms only and are not part of a student's permanent record. Final grades are available approximately two weeks after the last day of the term.

Students' records are confidential and information is released only at the request of the student or of appropriate institutions and officials. For the protection of current and former students, all transcript requests must be submitted in writing and personally signed or submitted via the university's secure website and electronically signed (www.hamline.edu/piperline). No transcript will be released until all financial obligations to Hamline have been met. A transcript request should be submitted at least three days in advance of the date on which it is needed. For more information, see www.hamline.edu/transcript. Once students are awarded their undergraduate degrees from Hamline, no changes can be made to their official academic records.

Transcripts and other documents submitted from other institutions and agencies are the property of Hamline University and will not be reissued to applicants, students, alumni, or other parties.

Grade Change and Appeal

Faculty Initiated Grade Change

Faculty members may apply to change a student's initial grade up to a year after the grade was initially due. The requested change is pending approval of the respective dean's office. The faculty initiated grade change form (Application for Change of Undergraduate Grade) can be downloaded via the Faculty Services tab in Piperline under the "Hamline Faculty Document Menu." Faculty log-in is required to access the form.

Student Initiated Grade Change and Appeal

Grade Change - Students may request of their instructors course grade changes based on a claim of clerical mistake, oversight, omission, or arbitrary and capricious grade assignment and must do so within 30 calendar days of the date the grade was issued. The grade change procedure is not to be used to challenge grades on individual assignments. It is the responsibility of the student to determine whether the grade change request must be made sooner than this deadline in situations where prerequisite course requirements are involved in the student's course sequence.

Students must meet with their instructor to request a grade change. To start the grade change request process, the student must contact the instructor to request a face-to-face meeting, and the instructor must respond in a timely manner to schedule the meeting. If the instructor or the student is no longer on campus, or if the student has a compelling reason why a face-to-face meeting would not be feasible, the instructor will engage in timely written communications with the student about the grade change request.

A decision regarding a requested grade change will be made by the faculty member within three weeks, or, if the request was submitted on a date outside the dates of a full semester (as defined by the program offering the course), within three weeks after the start of the academic semester following the receipt of the grade change request. By the applicable deadline, the faculty member will notify the student of the decision regarding the grade change, and, if the faculty member decides to change the course grade, the faculty member will also notify the Registrar. The Registrar will send confirmation of the grade change to the faculty member and student.

Grade Appeal - No grade appeal may be filed unless a grade change has first been sought and a decision reached. The grade appeal procedure shall be utilized if a student has been unsuccessful in achieving a grade change and wishes to pursue the matter further. As with grade change requests, the appeal procedure is only for course grades and is not to be used to challenge grades on individual assignments. In addition, the appeal procedure may be used only when the student contends that the course grade was assigned on an arbitrary or capricious basis. "Arbitrary or capricious" implies that:

- The student has been assigned a course grade on the basis of something other than his or her performance in the course; or
- The course grade is based upon standards that are significant, unannounced and unreasonable departures from those standards articulated in the course description or standards otherwise clearly conveyed to the students in the course.

Grade appeal process

1. The student must first communicate with the instructor and request a grade change under the grade change process identified above.
2. If the student is unsuccessful in achieving a grade change and wishes to further pursue the matter, he or she must submit a completed Grade Appeal Request Form, with all materials supporting the grade appeal, to the department chairperson or designated academic administrator (or Dean, if the department chairperson or designated academic administrator was the instructor). Students can download the Grade Appeal Request Form at

- www.hamline.edu/registrar/forms. The student is to complete Part 1. Department chair or dean will complete Part 2. Both forms, completed and signed, are required.
3. The student must request the grade appeal no later than six months following the end of the academic term in which the course was taken, or within 30 calendar days of notification from the instructor as to the decision on the grade change request, whichever is later. Any application for a grade appeal after this deadline will not be accepted.
 4. The department chairperson or designated academic administrator (or Dean, if the department chairperson or designated academic administrator was the instructor) will consider the appeal and may request additional information if needed for consideration of the grade appeal.
 5. The department chairperson or designated academic administrator (or Dean where applicable) will make his or her best effort to communicate with the instructor regarding any grade appeal and allow for input from the instructor.
 6. A decision will be made by the department chairperson or designated academic administrator (or Dean where applicable) within three weeks of receiving the Grade Appeal Request Form, or, if the request was submitted on a date outside the dates of a full semester (as defined by the program offering the course), within three weeks after the start of the academic semester following the receipt of the grade appeal submission. This time line and the proceedings under this policy may be adjusted at the discretion of the department chairperson or designated academic administrator (or Dean where applicable) in the circumstances where the student has alleged a violation covered by the Discrimination and Harassment Policy in the award of a final grade.
 7. The department chairperson or designated academic administrator (or Dean where applicable) will provide notification of the decision to the student, the instructor, the Dean, and the Registrar, and will provide the student a copy of the Grade Appeal Request Form with the department chairperson's or designated academic administrator's section completed.
 8. If the student wishes to appeal the initial grade appeal decision, he or she may request, in writing, a review by the Dean of the department in which the course was taught. If the department chairperson or designated academic administrator was the instructor of the course and the Dean decided the initial grade appeal, the student may appeal by requesting, in writing, a review by the Associate Provost. The written request in either event must include a copy of the Grade Appeal Request Form, as completed by the person who decided the initial appeal, and all documents submitted with the form. The request must be received within 30 calendar days of the date that the student was notified of the initial grade appeal decision. The Dean or Associate Provost shall make a decision within 30 calendar days of receipt of the appeal materials. This decision is final.

9. The Dean or Associate Provost will notify the student and the instructor of the final decision and provide the student a copy of the Grade Appeal Request Form with the Dean's section completed. The Dean, or the Associate Provost, will notify the Registrar of any course grade change.

Graduation Application

To satisfy the student responsibilities outlined in the Hamline Four-Year Assurance of Graduation partnership (see Four-Year Assurance above), students must apply to graduate by the end of their junior year. Students submit the Graduation Application online via Piperline (go to Student Services - Student Records - Apply to Graduate).

Applying to graduate is different and separate from registering to participate in the Commencement ceremony. Once a student has applied to graduate, they receive routine updates regarding progress toward meeting all graduation requirements.

Honors at Graduation

University Honors - Graduation with University Honors indicates that a student has participated in and successfully completed the University Honors program, Hamline's most comprehensive honors program. Students in University Honors are required to excel in four areas, spanning the curricular and co-curricular realms: academic excellence, undergraduate research, contributions to community, and development as a lifelong learner. To graduate with University Honors, students must write their own honors proposals, laying out what they plan to do in each of the four areas, must achieve their stated goals, must reflect on all aspects of their honors achievements, and must successfully present their honors achievements at a capstone presentation before graduation.

Latin Honors - Graduation with Latin honors—*cum laude*, *magna cum laude*, and *summa cum laude*—indicates superior attainment in scholarship as reflected in a student's GPA. To achieve Latin Honors upon graduation, students must have 60 or more credits graded on an A-F scale and earned in Hamline courses or under cross-registration with ACTC colleges and meet the following minimum cumulative GPA requirements: *cum laude*, 3.500; *magna cum laude*, 3.750; *summa cum laude*, 3.900. For the purposes of calculating Latin honors, GPAs are not rounded. Latin honors are awarded only upon completion of all degree requirements. Due to timing of final grades, Latin honors for the commencement program are calculated after J-Term.

Distinction in the Major: Departmental Honors - Graduation with distinction in the major indicates that a student has completed a Departmental Honors Project (DHP), a long-term capstone project that exhibits rigorous scholarship,

originality of thought, relevance to the discipline, and excellence in the field. DHPs may emerge out of previous coursework, study-abroad experiences, collaborative research projects, or students' intellectual passions. To be eligible to pursue DHPs, students must have a minimum GPA of 3.25 in the major and must have demonstrated a competency for pursuing independent work. Students usually begin formal work on DHPs in the spring of the junior year, and complete the DHP in the spring of the senior year. All DHPs must be defended before a committee of four or more members of the faculty.

Leave of Absence or Withdrawal

Leave of Absence - Students may request a leave of absence for academic, personal, or medical reasons. Requests for leaves of absence should be made to the Academic Advising office. The deadline to take a leave of absence coincides with the last day to withdraw from a full-term class with a notation of "W" on the transcript. The academic calendar (see www.hamline.edu/academiccalendar) is published annually and contains specific dates and deadlines. A leave may be granted for up to one full academic year.

Should a student wish to extend this leave beyond a year they must make the request to do in writing to personnel in Academic Advising, and must provide relevant documentation of the reason for the extension. The decision to grant an extension beyond one academic year will be at the discretion of Academic Advising personnel. Students not requesting an extension will be automatically withdrawn from the university after census day of the following term.

Withdrawal - Undergraduate students who wish to withdraw from the university must inform Academic Advising in writing. Refunds and course cancellations will be arranged only upon such written notification. Withdrawal from the university results in the forfeiture of any Hamline grants or scholarships. A student who later wishes to return must apply for readmission through Registration and Records (and will not be eligible for grants and scholarships that had been awarded originally).

Military Leave

If an enrolled student is called to active duty, s/he should follow the standard procedures for taking a leave of absence from Hamline University. Undergraduate students should meet with an advisor in the Academic Advising office. Graduate students should contact the Registrar in the Student Administrative Services office. The student should provide a copy of their military orders.

Leave during the add/drop period - If the student is called to active duty during the standard add/drop period, they will be dropped from their courses for that term. The student will receive full tuition refund and the courses will not appear on their transcript.

Leave during the percentage withdrawal period - If the student is called to active duty during the percentage withdrawal period, the tuition and financial aid calculations will be processed as usual. The student will receive a grade of W for all courses for that semester.

Leave after the withdrawal period - If the student is called to active duty after the withdrawal period has ended, the student's military orders will serve as a petition for late withdrawal. The student will be withdrawn from all courses. No tuition will be refunded and the student will receive W (withdrawal) notations for all courses for that semester.

Future tuition credit - Students who are determined to have paid tuition during the semester they are called to active duty are eligible to receive a credit for the amount paid. Following the withdrawal process, the amount of tuition paid will be determined by Student Accounts and Financial Aid in consultation with the Registrar's office. Tuition paid includes cash or check, student loans, Pell Grant, Minnesota State Grant, SEOG and outside scholarships. Hamline scholarships and grants are not included in determining the future credit. The student will receive a letter stating the amount and terms for the credit. A copy of the letter will be kept on file in Financial Aid and the Registrar's Office. The Financial Aid Office will apply the credit to the student's account during the term the student re-enrolls. The credit will be valid no more than three years from the date the student commences the non-voluntary military leave.

Name and Gender Changes

All official name and/or gender change requests for current and former students must be made to Registration and Records. The Name Change form is found at www.hamline.edu/registrar/forms.

Name Changes: All current and former students have the opportunity to change their names on institutional records upon the production of evidence showing the student name has been officially changed, accompanied by a written request from the student. A copy of a court order, a marriage certificate, or a dissolution decree reflecting the new name in full are examples of the evidence required to support an official name change. Minor changes in names can be made without a court order at the discretion of the Registrar (for example, spelling corrections or revisions). In these instances the student must provide documentation such as a current driver's license with photo, Social Security card, or resident alien card. Note that diplomas are issued with the student's legal name on file at the time of degree completion.

Gender Changes: A copy of a court order is required, along with a written request from the student in order to change gender on institutional records.

Petitions

Students may request an exception to academic policy by submitting a petition to the Undergraduate Curriculum Committee. Submission of a petition does not guarantee approval. Petitions must be submitted in writing using a Petition of Academic Policy form available in Student Administrative Services or available to download at www.hamline.edu/registrar/forms. Specific directions regarding required signatures and supporting documentation are listed on the form.

Pipeline and Email

All Hamline University students are expected to access the university's secured website (Pipeline) to register for classes, check class schedules, obtain grade reports, request official transcripts, make payments to student accounts, update addresses, and various other non-academic functions. Students receive their Pipeline login information upon admission to Hamline. Pipeline is available at www.hamline.edu/pipeline.

All degree-seeking students are required to use their official Hamline email (Google) accounts and are responsible for any message sent to their Hamline account. Many official university communications are sent only via email such as issues related to registration, finances, graduation, and important deadlines. In addition, many instructors require the use of email in their classes. Student email accounts are generated when students register for classes for the first time. For more information see www.hamline.edu/email.

Students should also maintain their current addresses and phone numbers by updating the information through Pipeline (or using the paper form available for download at www.hamline.edu/registrar/forms).

Probation and Suspension, Academic

Academic probation is intended as a means to identify, notify, and extend help to students who seem for whatever reason to be jeopardizing the possibility of their eventual graduation. It is not intended to be a punitive sanction against students who fail to meet the scholastic standards noted below:

Students may be placed on academic probation for any of the following reasons:

- a cumulative GPA lower than 2.0 at the end of any term;
- a term GPA lower than 1.7 at the end of any term;
- more than one F or N grade in any one term;
- an unsatisfactory progression rate for completion of course credits.

Academic probation or suspension status affects student athletes' eligibility to compete. Student athletes should contact the Hamline University athletic compliance director with concerns regarding the NCAA and MIAC eligibility policy. The Student Progress Committee makes all decisions regarding probation and suspension. Students who are placed on academic probation at the end of a term have the next term enrolled in which to remove themselves from probation. Students not removed from probation within this period are subject to dismissal (suspension) from the university. After a minimum of one semester of suspension, a student may apply for readmission to Hamline University through the Office of Registration and Records.

Registration

Students are required to register at specified times that the Registration and Records office publishes annually. Returning students register for fall term during April of the prior academic year, and during November for winter and spring terms. Registration priority is based on the number of credits completed and in progress at the time of registration. New students register for their first semester with Academic Advising.

Students are responsible for accurate registration; credit can be received only in those courses for which a student is properly registered. A student is held responsible for every course for which he or she registers unless the course is officially canceled. Hamline reserves the right to cancel any courses offered during the academic year when it becomes necessary.

During the published registration periods, students may register for a maximum of 19 credits in the fall and spring terms, and 5 credits in the winter term. The purpose of this 19 credit limit is to effectively manage course enrollments. Students may add and drop courses on a space-available basis on Pipeline up to the beginning of each term. Add/drop cards are used to make changes once a term has begun. Students may not exceed 20 credits in fall or spring terms but may make schedule adjustments up to a 20 credit maximum once classes begin through the end of the add/drop period. The academic calendar (see www.hamline.edu/academiccalendar) is posted annually and contains specific dates and deadlines for registration and related activities. Students who remain unregistered at the end of the add/drop period, and have not requested an official leave of absence through the Academic Advising office, will be administratively withdrawn from the university.

Instructor permission is required to register for a course after it has begun. Registration requests up to one year after a course has ended will be considered via the petition process; later requests will be denied. More registration information is also available from the Online Registration Guide at www.hamline.edu/registration.

Release of Student Information (FERPA)

Access to student records, which complies with the Family Educational Rights and Privacy Act of 1974 (FERPA), is described below. For more FERPA information, see www.hamline.edu/ferpa.

Definitions

Record: A record includes any data or information about you and related individuals, regardless of the media used to create or maintain the record.

Education Records: Education records include records maintained by the institution but exclude records maintained by individuals and available only to those individuals or designated substitutes (that is, "personal files"). Your education records are located and maintained by administrators in one or more of the following offices: Admissions; Academic Advising; Alumni Relations; Financial Aid; Registration and Records; Student Accounts, and faculty advisors' offices. Note: The Registration and Records office is the only university office authorized to issue official transcripts and certify students' enrollment status. All requests for such documentation must be directed to Student Administrative Services.

Public Information: Public information (also called "directory" information) includes your name, student ID number, address, e-mail address, phone number, dates of attendance, class standing, full-time or part-time enrollment status, photographs, previous institutions attended, major/minor field of study, degrees, honors, and awards, date and place of birth, and athletic participation. Records of arrests and/or convictions are public records and thus not subject to university policy. Note: If you wish to restrict the release of your directory information, you must do so by notifying the Undergraduate Registrar (East Hall 113).

Release in Emergencies - The confidentiality of all records may be broken in an emergency if deemed necessary by the severity of the emergency, the usefulness of the records, and the extent to which time is critical.

Release to You - Your records are available to you with the following exceptions: confidential letters of recommendation submitted prior to 1975; records of your parents' financial status; records related to your student employment that are subject to other laws and are administered by the Human Resources office; medical and psychological records (which will be released only to a healthcare professional designated by you) and, if you signed a voluntary waiver of access, letters of recommendation related to admission, candidacy for awards, and candidacy for employment - these records may be used only for the purpose originally intended. You may see any of your available records within 45 days after

submitting a written request to the Registration and Records office, either in person or by mail. You will receive an interpretation of the record upon request, at or after the time that access is granted.

Release to Others - Except as specified below, your records will be released only upon completion of a consent form or letter you have signed. Any such release will include a notice that further release by the recipient is prohibited by law. A record of the release will be maintained.

Records about you will be released without your consent to your parents if you are a dependent as defined by the Internal Revenue Service; to federal officers as prescribed by law; as required by state law; to agencies or individuals conducting educational research (provided that the administrator of the records is satisfied concerning the legitimacy of the research effort and the confidentiality to be maintained by the researcher); to agencies responsible for accreditation of the institution or its programs; to military recruiters as required by the Solomon Amendment; in response to a lawful subpoena, after making reasonable attempts to provide prior notification and opportunity for objection by you; and to institutional security officers when necessary for a criminal investigation.

Retention of Records - Hamline University reserves the right to maintain only those records it considers useful and to set retention schedules for various categories of those records. However, the administrator responsible for each category of records will ensure that a record being challenged is not destroyed prior to resolution of the dispute.

Residency Credit Policy

All Hamline students are required to complete a minimum of 128 credits to graduate and obtain a minimum cumulative grade point average (GPA) of 2.0.

Twenty-eight of the last 32 credits-and at least 56 total credits-must be completed in residence at Hamline or within the ACTC exchange, Hamline approved off-campus programs, or HECUA. Sixty residency credits graded A-F are required to be eligible for Latin honors at graduation.

Curriculum: The College of Liberal Arts

African-American Studies Program

African-American studies provides students an opportunity to explore in depth the historical, social, and cultural context that frames this area of study. Faculty from various disciplines at Hamline and other ACTC schools enable students to complete a minor in African-American studies. The core course is humanities-focused and prepares students with critical thinking, close textual reading and analysis, and writing skills. However, the interdisciplinary nature of this area is integrated through requirements emphasizing both humanistic and social scientific perspectives.

African-American studies program directors:

- Jermaine Singleton, English Department
- Kathryn Geurts, Global Studies Department

Minor Requirements

Students may complete a minor in African-American studies by taking six courses including the core course, Introduction to African-American Studies 3100 (cross-listed as either ENG 3100 or PHIL 3100). Students should work with an advisor to plan their courses. Only one of the courses can be a 1000-level course.

Other African-American studies courses offered at Hamline and through the ACTC may be applied to the minor with approval from the program director.

All students seeking majors and minors leading to professions relating to law, public policy, nonprofit organizations, journalism, urban policy, social justice, conflict resolution, and education can enhance their program with this minor.

Approved list of courses:

- ENG 1270 - African-American Literatures
- REL 3350 - Contemporary African-American Religious Thought

Anthropology Department

Anthropology studies human beings and their behavior in all of its variety and complexity through the concept of culture. It is a holistic discipline that draws on the insights of natural and social sciences, humanities and arts, demanding a broad foundation for understanding the ways human cultures shape and are shaped by historical, environmental, biological and social forces. It is thus an ideal major for students interested in acquiring knowledge and skills for living and working in our culturally diverse and complex world.

The discipline is divided into four subfields that focus more precisely on specific sets of human questions. Sociocultural anthropology studies humans as meaning-making beings, using a variety of methods to investigate how people living in different societies experience and make sense of their worlds. Archaeology reconstructs past cultural behavior and sociocultural systems through the analysis of the materials remaining from human activities and deposited in sites ranging from ancient cities to paleolithic hunting camps. Biological anthropology studies human beings as biocultural organisms within the framework of evolution through the study of fossils, living primates, human skeletal remains, and genetic variation in living people. Linguistic anthropology investigates the myriad ways in which communication, thought, and social life affect each other by observing how speakers use language in a wide range of social settings.

The faculty in the anthropology department offer a broad range of courses covering anthropology's four subfields. All classes value the active involvement of students, promote critical understanding of course material, and promote regular collaboration with students in the learning process. In addition, we provide students with engaged learning opportunities both on and off campus through our field schools, study abroad courses, collaborative research opportunities, internships, and teaching apprenticeships. Anthropology labs are equipped for research on archaeological artifacts and skeletal materials. The cultural diversity of the Twin Cities and Hamline's off-campus study programs offer a variety of opportunities for comparative cultural studies.

Opportunities for Nonmajors

All anthropology courses are open to nonmajors. A prerequisite of ANTH 1160: Introduction to Anthropology is recommended for upper-level courses, though familiarity with the perspectives of other social science disciplines may be adequate for several. For example, courses of particular interest to nonmajors include: ANTH 1100: World Prehistory, ANTH 1300: Ethnography: Text and Film, ANTH 1410: Indonesian Music and Cultures, ANTH 1530: Human Evolution, ANTH 3260: Pilgrims, Travelers, Tourists, ANTH 3430: Transnational Migration and Diasporic Communities, ANTH 3460: From Development to Globalization, ANTH 3470: Prehistory of the Non-Mediterranean World, ANTH 3050:

Topics in Linguistic Anthropology, and ANTH 3570: Religion, Culture, and the State.

Nonmajors also may take a number of anthropology study-abroad courses including: ANTH 3240: The Ancient and Modern Maya of Yucatan, ANTH 3250: Ancient Civilizations of the Mexican Highlands, ANTH 3270: Exploring Ancient Southeast Asia, and ANTH 3340: Exploring the Ancient Civilizations of Peru.

Honors

The Anthropology Department expects all majors to engage in some form of critical independent study, typically in their junior or senior year. Upon recommendation of anthropology faculty during the junior year, senior majors are eligible to work toward departmental honors at graduation by successful completion and defense of a serious research/writing project in the form of a baccalaureate thesis.

Internships and Teaching Apprenticeships

Opportunities are available for majors to fulfill the LEAP requirement through course work or an internship organized and coordinated through the Department of Anthropology. Teaching apprenticeships for majors are offered in a number of courses including ANTH 1160: Introduction to Anthropology, ANTH 3220: Laboratory Techniques in Archaeology, ANTH 3440: Human Osteology, and ANTH 3500: Forensic Anthropology, and ANTH 5260: Anthropological Thought and Theory.

Postgraduate Opportunities

Anthropology serves as an excellent basis for any career where one encounters people from a variety of cultural backgrounds. Integrative understanding and cultural sensitivity are useful tools for lawyers, teachers, health professionals, planners, public servants, and business people. Many majors go on to graduate or professional training in anthropology or related fields. There are other opportunities as well in the growing field of applied anthropology.

Anthropologists are employed in fields such as governmental and non-governmental organizations, museums, and educational institutions of various kinds. Fieldwork is carried out in such organizations as school systems, citywide health systems, agricultural development programs, and multicomunity urban cities and rural areas. Another significant trend is for anthropologists to work closely with community people--ethnic organizations, neighborhood health clinics, immigrant organizations, women's groups, and other community groups--whose activities require up-to-date quantitative and descriptive data.

Facilities/Resources

The Department of Anthropology operates three research/teaching labs: the Archaeology Lab (DSC 19), the

Human Osteology Lab (DSC 207), and the Visual Anthropology Lab (GLC 9S). In addition to equipment and research space, these labs offer students access to collections in North Americana archaeology, zooarchaeology, human osteology, human evolution casts, and Africa and China ethnographic materials. Monthly meetings of the Maya Society of Minnesota during the academic year bring nationally- and internationally-recognized speakers to Hamline's campus. Students have opportunities to interact directly with them and often become active in this organization. Donors to the Anthropology Department have created a research fund to support student and faculty activities. Anthropology majors can apply for these funds in order to attend conferences, travel, and pay for research expenses.

Faculty

K. Valentine Cadieux, assistant professor. AB 1998, Harvard and Radcliffe Colleges; MA 2001, PhD 2006 University of Toronto. She also serves as director of the Environmental Studies program.

David J. Davies, professor. BA 1991, Hamline University; MA 1997, PhD 2002 University of Washington. History and anthropology, social memory, nostalgia, travel and representation; P.R. China. On leave for the 2016-2017 academic year.

Verne A. "Van" Dusenbery, professor. AB 1973, Stanford University; AM 1975, PhD 1989, University of Chicago. Social theory, political anthropology, anthropology of religion, transnational communities; South Asia, Southeast Asia, Australia, North America.

Brian W. Hoffman, associate professor, chair. BA 1983 Augsburg College; MA 1994, PhD 2002 University of Wisconsin. Hunter-gatherers, household archaeology, sociopolitical complexity, lithic analyses; Arctic, North Pacific.

Lewis "Skip" C. Messenger, Jr., professor. BA 1971, Hiram College; MA 1975, Universidad de Las Americas; PhD 1984, University of Minnesota. Archaeology, complex societies, cultural ecology, tropical food-producing systems, environmental archaeology, climate change, Mesoamerica, Southeast Asia.

Susan M. T. Myster, professor. BA 1984, Hamline University; MA 1989, PhD 2001, University of Tennessee. Biological anthropology, human osteology, prehistoric population relationships and migration patterns, human evolution, forensic anthropology, North America.

Major Program

A major in anthropology at Hamline University introduces students to a wide variety of ways of studying humans in various contexts through time, across cultures and geographies. The program expects all majors to gain a functional understanding of the approaches, methods and theories of the discipline's four traditional subfields--

archaeology, biological anthropology, linguistic anthropology and sociocultural anthropology—as ways of studying human variation and cultural difference. Typically majors choose to more intensively focus in one or more subfields as they advance through the program.

The anthropology department has a deep commitment to integrating theoretical concepts and approaches with high-impact experiences in everyday contexts. From off campus experiences of study abroad, archeological field schools and lab internships, to high-stakes group work and community-based research courses, anthropology majors may choose among a wide range of interesting and innovative courses that demonstrate anthropology's relevance to understanding the complex questions of our contemporary world.

The program requires all majors to design and execute an anthropologically oriented research project that brings together the interests of each major, insights from relevant coursework and independent research. Projects may rely on lab research, ethnographic field research, work in a different culture or archaeological field work. Such projects draw together research methodologies, theoretical approaches and techniques that demonstrate student learning in an exemplary way—producing a final product that demonstrates each student's unique achievement. Outstanding students are encouraged to work closely with their faculty mentors on summer collaborative research or honors projects.

Hamline University's anthropology department has a commitment to the value that anthropology and anthropological insights have in making global citizens who will act thoughtfully, knowledgeably and with conviction long after they have graduated. We also, however, recognize the importance of being able to communicate the skills and abilities acquired by our majors into their lives, work and career contexts. To this end, our program emphasizes the connections between the academic discipline and the ways anthropological approaches, ethical concerns and professional methodologies can be used in other contexts after graduation—work in non-profits, private businesses, and governments at local, national or trans-national levels. After graduating our majors have gone on to apply their education in a wide range of work in research labs, museums, and local and national corporations. They work in areas such as public health, the criminal justice system, heritage preservation, environmental protection and international development. Many work in second and even third languages. Some have gone on to graduate school in international studies, cultural resource management, public health, museum and tourism studies and Ph.Ds. in anthropology.

Major Requirements

A major in anthropology consists of 12 courses as follows:

- ANTH 1160 - Introduction to Anthropology
- ANTH 5260 - Anthropological Thought and Theory
- ANTH 5270 - Senior Seminar

Three (3) of the following

- ANTH 3030 - Topics in Sociocultural Anthropology
- ANTH 3040 - Topics in Archaeology
- ANTH 3050 - Topics in Linguistic Anthropology
- ANTH 3060 - Topics in Biological Anthropology

Six (6) Elective Courses

- These elective courses may be selected from anthropology courses at Hamline or other ACTC schools. A maximum of one course in a related field may serve as an elective as arranged with the advisor.

Note: The department recommends that majors take ANTH 1160 during their first year, ANTH 5260 during their Junior year, and ANTH 5270 during their Senior year. Students are strongly encouraged to take courses in all departmental subfields and to develop a geographical regional expertise and a proficiency in a foreign language. A course in quantitative methods or statistics is also recommended. Students interested in becoming majors should consult a faculty member to determine which courses will best fit their needs.

Minor Requirements

A minor in anthropology consists of five anthropology courses:

- ANTH 1160 - Introduction to Anthropology

Two courses chosen from the group below:

- ANTH 3030 - Topics in Sociocultural Anthropology
- ANTH 3040 - Topics in Archaeology
- ANTH 3050 - Topics in Linguistic Anthropology
- ANTH 3060 - Topics in Biological Anthropology

Two Additional Courses

- Two anthropology courses beyond those listed above.

Art (Studio Arts) and Art History Department

Art and art history are fundamental and essential components of a liberal arts education. Aspiring artists and art historians must study within the breadth of a liberal arts curriculum in order to meet the demands and responsibilities placed on them.

The study of studio arts involves learning the fundamental principles of perception, technical skills, and aesthetic concepts corresponding to the individual disciplines of painting, sculpture, printmaking, and drawing. Studio courses are taught in a developmental sequence tailored to the needs of the individual student. Discussions of art history and criticism are integral to all studio courses.

The study of art history involves the analysis of art and architecture within a cultural framework and is thus highly interdisciplinary in approach. The goals of the department are to enhance students' perceptual and analytical abilities and improve research and writing skills. Through foundation courses, specialized electives, and advanced seminars, art history students gain the ability to work independently on a senior research project that is the culmination of undergraduate art history studies.

Internship and Apprenticeship Opportunities

The Twin Cities provide a wide array of internship opportunities for Hamline students. Art students may arrange apprenticeships in any studio area, either under the direct supervision of a studio faculty member, or an off-campus supervisor (with approval of the department). Art history majors have interned at local galleries and museums, as well as at a range of nationally and internationally renowned institutions.

Postgraduate Opportunities

Many studio majors commit themselves to graduate study following the baccalaureate degree. Those who do not proceed to graduate work find employment wherever imaginative or creative effort is called for: advertising, personnel work, display, small business, and sales representatives. Those who finish graduate programs move into such professions as: practicing studio art, teaching in schools and colleges, architecture, design, advertising, positions in museums and galleries, and art editing.

Art historical studies provide a strong basis in research and writing; thus art history majors often pursue careers in arts and writing-related fields. Art history majors often seek positions in museums and galleries, arts organizations, and educational institutions. In order to gain employment in colleges, universities, and museums, art history majors pursue graduate studies in art history at Masters and Doctorate levels. Those

interested in attending graduate programs should consult with faculty members during their junior year in order to prepare for the application process. Art history majors or minors considering graduate school in the field are strongly encouraged to take courses in foreign language (French and German are most strongly recommended) while at Hamline.

Opportunities for Nonmajors

Many art and art history courses are open to nonmajors. ART 1130 Drawing; ARTH 1200 Western Traditions: Prehistory to the Middle Ages; and ARTH 1210 Western Traditions: Renaissance to Contemporary are introductory courses for students with little or no exposure to the arts. All Art History courses at the 1000 level are open to and designed for students with little or no background in the arts. Combinations of studio and art history courses are highly recommended for a broader understanding of the arts and visual culture.

Postgraduate Apprenticeships

Qualified graduates may arrange to do postgraduate apprenticeships in any of the major studio areas under the supervision of a studio faculty member. These apprenticeships allow students to develop their technical skills as well as provide an opportunity to enhance individual portfolios. Apprenticeships are an excellent stepping stone to highly competitive graduate programs. Apprenticeships are undertaken for one year and must be approved by the department.

Facilities

The art history department maintains a collection of more than 80,000 slides and digital images. The 2,000-square-foot painting studio has almost 1,000 square feet of north light. The printmaking studio is equipped for the intaglio printmaking process. Housed in separate buildings are 2,130 square feet of sculpture and drawing studios. The sculpture studio is equipped for clay modeling and plaster casting. The Soeffker Gallery in the Drew Fine Arts building features works from the permanent collection and rotating exhibitions.

Faculty

Aida Audeh, Professor of Art History, Chair. BA 1985, Cornell College; JD 1988, MA 1995, PhD 2002, University of Iowa.

Professor Audeh is a specialist in the painting and sculpture of the 18th-19th century in Europe and in art theory and the history of academies during the Baroque period in Europe. She has published and presented on the art of Rodin, and on 19th-century European imagery based on the life, legend, and works of Dante in the context of medieval revivalism and nationalism of that period.

Allison Baker, Professor of Studio Arts. BA and BFA 2012, Indiana University; MFA 2015, Rhode Island School of Design.

Ann Bronwyn Paulk, Visiting Assistant Professor of Art History. BA 1972, MA 1996, PhD 2002, University of Iowa. Professor Paulk is a specialist in art of the 20th century and American art. She has published and presented widely with particular interest in modernism and construction of gender in art.

John-Mark T. Schlink, Lecturer in Studio Arts and Director of Exhibitions, Soeffker Gallery and Permanent Collection. BA 1991, Hamline University; MFA 2000, University of Nebraska-Lincoln. Professor Schlink's paintings and prints have been exhibited nationally. His areas of expertise are printmaking, painting, and drawing.

Andrew Wykes, Professor of Studio Arts. Surrey Diploma 1979, Richmond upon Thames College, London; BFA 1982, University of London; MFA 1997, American University. His areas of specialization are painting and drawing. He has taught art for thirty years in schools and universities in the UK, Belgium and the US. Wykes has shown his work nationally and internationally including London and New York. He is a recipient of two Minnesota State Arts Board Initiative Awards in 2009 and 2013, The Agnes Hulburd Conger Prize for Excellence in the Humanities from Hamline University, and numerous others. He was awarded a fellowship at the Ballinglen Arts Foundation in Mayo, Ireland, and is featured in the documentary film "Painting the Place Between".

Major Programs

The studio arts and the art history programs are a balance of studio work, art history, criticism and aesthetics. Both programs have a foundation composed of studio arts and art history courses including a two-semester sequence of Western traditions in art history, and an introductory course in studio arts.

The studio arts major is designed for the student who plans to undertake graduate studies in any field of studio arts or design, or otherwise intends to establish a career as a professional artist. Foundation courses are complemented with a range of courses in the major studio areas (painting, sculpture, printmaking, digital photography/new media). Students must select advanced coursework in painting, sculpture, printmaking or, in consultation with the major studio advisor, an array of digital photography/new media courses, for their area of concentration. In addition, studio arts majors participate in the senior seminar and the senior exhibition program.

The art history major is designed to prepare students for future graduate studies in art history or related fields, or employment in museums and galleries. The curriculum incorporates a developmental progression of courses, ranging from foundation courses that cover a broad array of historic material to specialized electives, and finally, to advanced seminars and an independent research project that prepare

students for graduate level study in the field. Foreign language study is also strongly recommended for art history majors and minors, as it is an essential component of art historical research at graduate and professional levels.

Major Requirements: Studio Arts

Requirements for the Studio Arts major consist of eleven (11) courses distributed as listed below. In addition to the course requirements, Studio Arts majors must participate in a major review and a senior exhibition.

- ART 1130 - Drawing
- ART 1140 - Drawing from Life
- ART 5950 - Senior Seminar
- ARTH 1200 - Western Traditions: Prehistory to the Middle Ages
- ARTH 1210 - Western Traditions: Renaissance to Contemporary

Three beginning studio courses, one course in each of the three major studio areas (sculpture, painting, and printmaking, or, in consultation with the major studio advisor, two of these three and one course in digital photography/new media)

- ART 1510 - Beginning Sculpture
- ART 1540 - Beginning Painting
- ART 1800 - Beginning Printmaking
- ART 1900 - Digital Photography I

One intermediate- and one advanced-level course in either sculpture, printmaking, painting, or, in consultation with the major studio advisor, two courses in digital photography/new media (for a minimum of three in the area of concentration)

- ART 3510 - Intermediate Sculpture
 - ART 5710 - Advanced Sculpture
- Or
- ART 3540 - Intermediate Painting
 - ART 5740 - Advanced Painting
- Or
- ART 3800 - Intermediate Printmaking
 - ART 5900 - Advanced Printmaking
- Or
- ART 3900 - Digital Photography II
 - Digital Photography/New Media

One 3000-level art history course chosen from:

- ARTH 3900 - 19th-Century Art in Europe
- ARTH 3910 - 20th-Century Art in Europe and the United States

Recommended sequence of courses for Studio Arts majors:

First Year:

- ART 1130 - Drawing
- Studio 1
- ARTH 1200 - Western Traditions: Prehistory to the Middle Ages
- ARTH 1210 - Western Traditions: Renaissance to Contemporary

Sophomore Year:

- ART 1140 - Drawing from Life

- Studio 2
- ARTH 3900 or ARTH 3910

Junior Year:

- Intermediate Studio

Senior Year:

- Advanced Studio
- Studio elective
- ART 5950 - Senior Seminar

Major Requirements: Art History

Requirements for the Art History major consist of ten (10) courses distributed in the following manner:

- ARTH 1200 - Western Traditions: Prehistory to the Middle Ages
- ARTH 1210 - Western Traditions: Renaissance to Contemporary
- ARTH 3900 - 19th-Century Art in Europe
- ARTH 3910 - 20th-Century Art in Europe and the United States
- ARTH 5450 - Senior Seminar: Methodologies of Art History

One course chosen from:

- ARTH 5000 - Senior Art History Research
- ARTH 5010 - Senior Art History Research Honors*

Four Additional Courses

- Three art history electives at 3000 level
- One studio elective at the 1000 level

Recommended sequence of courses for Art History Majors:

First Year:

- ARTH 1200 - Western Traditions: Prehistory to the Middle Ages
- ARTH 1210 - Western Traditions: Renaissance to Contemporary

Sophomore Year:

- Art History elective at 3000 level
- Studio elective at 1000 level
- ARTH 3900 - 19th-Century Art in Europe

Junior Year:

- Art History elective at the 3000 level
- ARTH 3910 - 20th-Century Art in Europe and the United States

Senior Year:

- Art History elective at the 3000 level
- ARTH 5000 - Senior Art History Research or ARTH 5010 - Senior Art History Research Honors*
- ARTH 5450 - Senior Seminar: Methodologies of Art History

Note: One year of college-level study (normally two courses) in a foreign language is strongly recommended for those students intending to go on to graduate programs in Art History. The language should be determined in consultation with Art History faculty. French or German is strongly advised for students considering graduate level study in Art History.

Minor Requirements: Studio Arts

The Studio Arts minor requires seven (7) courses distributed in the following manner:

- ART 1130 - Drawing
- ART 1140 - Drawing from Life

One course chosen from:

- ARTH 1200 - Western Traditions: Prehistory to the Middle Ages
- ARTH 1210 - Western Traditions: Renaissance to Contemporary

Three courses in a studio concentration; one beginning, one intermediate, and one advanced course taken in one of the three major studio areas (sculpture, painting, and printmaking). Alternatively, in consultation with the minor studio advisor, the concentration may be taken in digital photography/new media.

- ART 1510 - Beginning Sculpture
- ART 3510 - Intermediate Sculpture
- ART 5710 - Advanced Sculpture

Or

- ART 1540 - Beginning Painting
- ART 3540 - Intermediate Painting
- ART 5740 - Advanced Painting

Or

- ART 1800 - Beginning Printmaking
- ART 3800 - Intermediate Printmaking
- ART 5900 - Advanced Printmaking

Or

- ART 1900 - Digital Photography I
- ART 3900 - Digital Photography II
- Advanced course in Digital Photography/New Media

One additional beginning studio course from:

- ART 1510 - Beginning Sculpture
- ART 1540 - Beginning Painting
- ART 1800 - Beginning Printmaking
- ART 1900 - Digital Photography I

Minor Requirements: Art History

The art history minor consists of seven (7) courses distributed as follows:

- ARTH 1200 - Western Traditions: Prehistory to the Middle Ages
- ARTH 1210 - Western Traditions: Renaissance to Contemporary
- ARTH 3900 - 19th-Century Art in Europe
- ARTH 3910 - 20th-Century Art in Europe and the United States

Three Additional Courses

- Two Art History electives at the 3000 level
- One Studio Arts course at the 1000 level

Note: One year of college-level study (normally two courses) in a foreign language is strongly recommended for those students intending to go on to graduate programs in Art History. The language should be determined in consultation with Art History faculty. French or German is strongly advised for students considering graduate level study in Art History.

Biochemistry Program

The biochemistry program prepares students for research careers in academic, biomedical, and industrial settings. The program also provides a solid background in contemporary biological science and chemistry for students who plan careers in medicine, business, and environmental studies. The biochemistry major is particularly suited to students who plan to go on to graduate training in biochemical and molecular research or medical school. Modern biochemistry employs an interdisciplinary approach to the study of the molecular phenomena of living systems and the application of chemical concepts to the development of novel molecular and biophysical technologies. Hamline majors complete introductory coursework in biology, chemistry, physics, and mathematics, and then further their studies with upper-level elective courses in related areas. All biochemistry majors are required to complete an independent research project. Students completing the biochemistry major will be eligible for the Bachelor of Science degree.

Biochemistry program directors: Betsy Martinez-Vaz, biology department, and Larry Masterson, chemistry department.

Major Requirements

The biochemistry major consists of 17 courses plus seminar and an independent research project.

General Chemistry

- CHEM 1130 - General Chemistry I
 - CHEM 1140 - General Chemistry II
- or
- CHEM 1500 - Advanced General Chemistry

Chemistry

- CHEM 3240 - Analytical Chemistry
- CHEM 3450 - Organic Chemistry I
- CHEM 3460 - Organic Chemistry II
- CHEM 3550 - Physical Chemistry I

Biology

- BIOL 3060 - Principles of Cell Biology
- BIOL 5900 - Molecular Cell Biology - *It is strongly recommended that students majoring in Biochemistry complete a genetics course (such as BIOL 3050) before taking Molecular Cell Biology (BIOL 5900).*

Mathematics

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- MATH 3320 - Multivariable and Vector Calculus

Biochemistry

- BIOC 3820 - Biochemistry I
- BIOC 3830 - Biochemistry II

Physics

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II

Electives – choose one from the following list of courses:

- BIOL 3050 - Principles of Genetics

- BIOL 3830 - Applied Biotechnology
- BIOL 5550 - Microbiology
- BIOL 5760 - Immunology
- BIOL 5870 - Genomics and Bioinformatics
- CHEM 3330 - Instrumental Methods (*requires co-registration of CHEM 3940 - Advanced Laboratory Techniques*)
- CHEM 3560 - Physical Chemistry II
- CHEM 3700 - Chemical Biology
- CHEM 3840 - Inorganic Chemistry
- CHEM 3980 - Special Topics: Molecular Biophysics
- CHEM 5860 - Advanced Organic Chemistry

One additional course chosen from the list above or from one of the following:

- One 5000-level math, biology, or physics course or
- One 3000-level course (*e.g. digital electronics, programming*); *students must obtain permission from program director*

Seminar Requirement:

Biochemistry students must complete four semesters of either biology seminar or chemistry seminar:

- BIOL 5950 - Biology Seminar (*three semesters*)
 - BIOL 5951 - Biology Seminar Presentation (*one semester*)
- Or
- CHEM 5950 - Chemistry Seminar A (*three semesters*)
 - CHEM 5951 - Chemistry Seminar B (*one semester*)

Independent Research Project Requirement:

Students may choose to enroll in one of the following:

- BIOC 5970 - Independent Study
- BIOC 4010 - Collaborative Research
- BIOL 5700 - Research in Biology
- CHEM 5960 - Chemistry Research

Written documentation of an appropriate independent research project from the program directors may also be substituted.

Note: BIOC, BIOL, and CHEM courses listed above count as inside the major and do not qualify for breadth of study. BIOL and CHEM courses taken as preparation or electives do count for breadth of study.

Biology Department

The Biology Program prepares students for careers in biological and medical research, medicine, dentistry, veterinary medicine, medical technology, biological research and teaching at the college level, and secondary school teaching. It also provides a solid background in the biological sciences for students who plan careers in business, social services, government, or environmental fields. Students majoring in biology receive a broad introduction to biological principles at the molecular, organismal, and ecological levels of organization. The Biology Program emphasizes hands-on learning, and students are encouraged to participate in independent undergraduate research projects.

Opportunities for Nonmajors

Biology courses for nonmajors: BIOL 1120, 1130, 1140, 1150, and 1160.

These courses are intended primarily for students planning to major outside the sciences and who do not have a background in chemistry. No prerequisites are required for these Hamline Plan 'N' courses. Credit from these courses is not applicable toward a biology major or minor except by special approval of the biology faculty (see the chairperson for details).

Facilities

The Biology Department maintains laboratories and extensive equipment including computer-integrated laboratories, research microscopes, high-speed centrifuges, plant growth chambers, bio-amplifiers, UV-Visible spectrophotometers, flow cytometer, PCR and gel electrophoresis equipment that permits a wide range of undergraduate study and research. These are located on the second floor of Drew Hall of Science and in the Robbins Science Center. Students conducting projects may arrange to use these facilities outside of regularly scheduled laboratory sessions. Computer integration is a focus of the biology curriculum, and six biology laboratories are equipped with networked computers at each group workstation. These labs are also equipped with multimedia presentation stations, and equipment for computerized data acquisition and analysis.

Faculty

Kathryn Burleson, senior lecturer. BA 1999, The College of St. Scholastica; PhD 2004, University of Minnesota. Teaching areas: women's biology, human biology, cancer biology, cell and molecular biology. Research interests: ovarian cancer, oral biology.

Jennifer Dysterheft, assistant professor. BS 2011, MS 2013, Minnesota State University, Mankato. PhD 2016, University of Illinois, Urbana-Champaign. Teaching areas: exercise science, kinesiology.

Michael Farris, professor. BS 1978, Miami University (Ohio); MS 1981, Ohio State University; PhD 1985, University of Colorado. Teaching areas: ecology, evolution, conservation biology, plant biology, physiology. Research interests: evolutionary ecology, human impacts on cliff communities, physiology and performance of humans at high altitude.

Jodi Goldberg, professor. BA 1989, Macalester College; PhD 1998, Stanford University. Teaching areas: cell biology, immunology. Research interests: human immunology, neuroimmunology, cancer biology, cell signaling, flow cytometry.

Leif Hembre, professor, chair. BA 1993, Saint Olaf College; MS 1997, PhD 2002, University of Minnesota. Teaching areas: plant and animal physiology, aquatic biology, invertebrate biology, ecology, evolution. Research interests: ecological genetics, limnology, zooplankton ecology, evolutionary consequences of reproductive mode.

Irina Makarevitch, associate professor. BS 2000, Novosibirsk State University, Russia; MS 2002, PhD 2005, University of Minnesota. Teaching areas: genetics, developmental biology, plant biology. Research interests: plant genetics and development, gene expression, gene mapping and identification.

Presley Martin, professor. BS 1971, Indiana University; PhD 1978, The Johns Hopkins University. Teaching areas: genetics, molecular biology, cell biology. Research interests: Drosophila developmental genetics, gene regulation, chromatin structure, computer modeling.

Betsy Martinez-Vaz, associate professor. BS 1995, Universidad del Turabo; PhD 2001, University of Minnesota. Teaching areas: biochemistry, microbiology. Research interests: microbial genomics, environmental microbiology, microbial genetics and molecular biology, bacterial pathogenesis.

Bonnie Ploger, professor. BA 1981, Mount Holyoke College; MS 1985, University of Oklahoma; PhD 1992, University of Florida. Teaching areas: animal behavior, evolution, ecology, conservation biology, comparative anatomy. Research interests: behavioral ecological, sibling rivalry and parent-offspring conflict in birds, antipredator behavior and chemical communication in amphibians.

Lisa Stegall, assistant professor. BA 1997, North Carolina State University; MS 2006, The George Washington University; PhD 2010, The University of Texas at Austin. Teaching areas: health sciences, public health, biology, exercise science.

Major Program

Biology students may choose to pursue a Bachelor of Arts (BA) or a Bachelor of Science (BS) degree in Biology. Students preparing for graduate or professional schools are strongly encouraged to pursue the BS degree. Students should consult with a biology faculty member to determine which track is most appropriate for their goals.

The biology program includes a four-course core sequence that provides a solid background in the areas of ecology and

evolution, cell biology, genetics, and organismal physiology. Biology majors draw basic theoretical and practical tools from allied sciences by completing required courses in mathematics, chemistry, and physics. Research as a learning process is a pervasive theme of the biology major. Many biology courses feature independent or team research projects as the focus of the laboratory, and students may also collaborate with faculty on original research. Summer Research Fellowships in Biology allow Hamline biology majors to participate full time in research during the summer by providing financial support in the form of a stipend, tuition remission, and a free residence hall room. State-of-the-art electronics, computers, and other modern apparatus support this distinctive research emphasis within the biology program. During the junior and senior years, students participate in the biology seminar program, and in the senior year they present a seminar drawn from their research. Internships that introduce students to careers in the basic biological sciences, health sciences, and industry are emphasized.

Biology Core Courses

Four courses--BIOL 1800, 1820, 3050, and 3060--provide a general biological foundation for majors in biology. The sequence is generally completed in the first two years of study. Two years of participation in biology seminar plus presentation of a seminar complete the core requirements.

Bachelor of Science: Biology Major Requirements

The biology core:

- BIOL 1800 - Principles of Ecology and Evolution
- BIOL 1820 - Principles of Plant and Animal Physiology
- BIOL 3050 - Principles of Genetics
- BIOL 3060 - Principles of Cell Biology

Four biology electives:

- Biology courses at the 3000- or 5000-level

One year of general chemistry:

- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

or

- CHEM 1500 - Advanced General Chemistry

One year of organic chemistry:

- CHEM 3450 - Organic Chemistry I
- CHEM 3460 - Organic Chemistry II

One year of general physics (select one I/II sequence below):

- PHYS 1150 - Algebra-based Physics I
- PHYS 1160 - Algebra-based Physics II

or

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II

Completion of an approved statistics course:

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Calculus I/II including differential and integral calculus:

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II

Biology seminar - Participation in biology seminar for two years, including the presentation of a senior seminar based upon original research or an independent literature search:

- BIOL 5950 - Biology Seminar (*three semesters required*)
- BIOL 5951 - Biology Seminar Presentation (*required to be completed the semester that you graduate*)

Bachelor of Arts: Biology Major Requirements

The biology core:

- BIOL 1800 - Principles of Ecology and Evolution
- BIOL 1820 - Principles of Plant and Animal Physiology
- BIOL 3050 - Principles of Genetics
- BIOL 3060 - Principles of Cell Biology

Four biology electives:

- Biology courses at the 3000- or 5000-level

Note: Students who take the two course sequence, BIOL 3200: Human Anatomy and Physiology I and BIOL 3250: Human Anatomy and Physiology II, should note that only one of the two courses will count toward the Biology major elective requirement. Students may count BIOL 5450: Current Topics in Biology only once as a Biology major elective.

One year of general chemistry:

- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

or

- CHEM 1500 - Advanced General Chemistry

Completion of an approved statistics course:

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Completion of two courses from the following list:

- CHEM 3450 - Organic Chemistry I
- CHEM 3460 - Organic Chemistry II
- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- PHYS 1150 - Algebra-based Physics I
- PHYS 1160 - Algebra-based Physics II
- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II

Biology seminar - Participation in biology seminar for two years, including the presentation of a senior seminar based upon original research or an independent literature search:

- BIOL 5950 - Biology Seminar (*three semesters required*)
- BIOL 5951 - Biology Seminar Presentation (*required to be completed the semester that you graduate*)

Minor Requirements

The biology core:

- BIOL 1800 - Principles of Ecology and Evolution
- BIOL 1820 - Principles of Plant and Animal Physiology
- BIOL 3050 - Principles of Genetics
- BIOL 3060 - Principles of Cell Biology
- One biology elective at the 3000-level

One year of general chemistry:

- CHEM 1130 - General Chemistry I
 - CHEM 1140 - General Chemistry II
- or
- CHEM 1500 - Advanced General Chemistry

Licensing for Secondary School Teaching

Biology majors pursuing a teaching license at the 9-12 level must complete a standard Biology major in addition to the teacher education courses required for a Minnesota teaching license.

To extend this license to include teaching science in grades 5-8 requires two additional courses:

- PHYS 101: Astronomy (to be taken at Augsburg)
- GEOL 150: Dynamic Earth and Global Change (to be taken at Macalester)

Chemistry Department

Chemistry is an integral part of the liberal arts tradition, offering students the opportunity to study the philosophical and theoretical basis of molecular sciences at both the introductory and advanced levels. As the central science, a strong foundation in chemistry supports understanding in biology, physics, molecular biology, material science and medicine. We offer American Chemical Society (ACS) Certification for the chemistry bachelor of science (B.S.) and bachelor of arts (B.A.) programs in addition to a non-certified BA degree. Twelve to 18 chemistry majors graduate each year, 70 percent with an ACS-certified major. The department of chemistry prepares students for industry, teaching, advanced degree work in the natural sciences, professional schools as well as business.

Postgraduate Opportunities

Chemistry graduates from Hamline University have opportunities for a wide variety of professional positions, including advanced degree work in chemistry, chemical engineering, biochemistry, pharmacy, or employment in the chemical industry and chemical education.

In addition, advanced degree work and employment are available in many areas related to chemistry, including anthropology, agricultural and forestry science, bacteriology, biology, botany, ecology, food science, forensic chemistry, geology, law, medicine, pharmacology, psychology, pollution control, public health, and veterinary medicine.

In the last 5 years, approximately 30% of Hamline's chemistry graduates seek advanced degrees in chemistry 5% enter professional schools, 40% find employment in the STEM fields and the other 25% find positions in industry and teaching.

Research

The department encourages all majors to experience research as undergraduates. Students may work with a faculty advisor as early as the end of their first year on a collaborative project either during the academic year or during a competitive paid summer internship. This experience can be counted towards the ACS accreditation and students may apply to earn academic credit.

Honors

All junior chemistry majors who have a GPA of 3.25 in major courses are invited to participate in the departmental honors program. The student selects a faculty member with whom to work on a research project and informs the department chair that he or she wishes to apply for departmental honors. An application form (available on the HU website) must be filled out and submitted to the department chair at least 9-12 months prior to graduation. If three members of the department approve the project as presented, the student may then carry out the work. After completion of the work, the

student presents a written thesis to an examination committee and takes an oral examination. If both written thesis and oral examination are deemed worthy, departmental honors will be granted.

Faculty

The chemistry department's faculty has been recognized for its dedication to undergraduate teaching and research. The members of the teaching staff have Ph.D. degrees in the major fields of chemistry: analytical, biological, inorganic, organic, and physical. The faculty maintain a high level of professional and research activity. During the past ten years, these activities have resulted in many research publications, additional research projects, and industrial experience. In addition to its research activities, the faculty has a strong commitment to quality education.

Rita Majerle, associate professor, chair, B.S. 1978, University of Minnesota-Duluth; Ph.D. 1989, University of Minnesota. Organic chemistry.

Larry Masterson, assistant professor, B.S. 2003 (A.C.S. Certification), University of Wisconsin La Crosse; Ph.D. 2008, University of Minnesota. Chemical biology.

John Matachek, professor, B.A. 1979, University of Minnesota; Ph.D. 1984, Iowa State University. Inorganic chemistry.

Deanna O'Donnell, assistant professor, B.S. 2005, McMaster University; Ph.D. 2010, University of Notre Dame. Physical chemistry.

Julia Saunders, visiting teaching faculty, B.A. 2004 Hamline University; Ph.D. 2011, University of Minnesota, Inorganic/Materials chemistry.

Nicholas Schlotter, associate professor, B.A. 1974 Carleton College; Ph.D. 1980, Stanford University. Physical chemistry.

Marc Scholten, visiting teaching faculty, B.A. 2001, Grinnell College, Ph.D. 2008 Stanford University, Organic/Polymers/Materials chemistry.

Major Program

Chemistry students may choose to complete a Bachelor of Science (B.S.) or a Bachelor of Arts (B.A.) degree in Chemistry. Both of these degrees can satisfy the American Chemical Society (ACS) certification standards.

The chemistry curriculum at Hamline emphasizes understanding the fundamental theoretical concepts upon which all molecular sciences are based. The development of skills useful in problem solving, in construction of models, and in gathering and interpretation of data is stressed. The laboratory courses place strong emphasis on experimental design, instrumental methods, modern laboratory techniques, and data analysis.

Nearly all courses in chemistry are sequential and have prerequisites. Careful planning is necessary if students are to take full advantage of other options available to them at a

liberal arts college. A decision to major in chemistry should be made as early as possible, certainly no later than the sophomore year. A student wishing to major in chemistry should consult with one or more of the chemistry faculty.

Bachelor of Science: Chemistry Major

Requirements

For students desiring to work as a chemist in industry or attend graduate school, the BS pathway is appropriate and graduates are certified by the American Chemical Society. The following courses constitute the minimum requirement.

Gateway course(s): (Students complete General Chemistry I and II or Advanced General Chemistry.)

- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

Or

- CHEM 1500 - Advanced General Chemistry

Foundation courses:

- CHEM 3240 - Analytical Chemistry
- CHEM 3330 - Instrumental Methods (*CHEM 3330 and CHEM 3940 must be taken in the same semester*)
- CHEM 3450 - Organic Chemistry I
- CHEM 3460 - Organic Chemistry II
- CHEM 3550 - Physical Chemistry I
- CHEM 3560 - Physical Chemistry II
- CHEM 3840 - Inorganic Chemistry
- CHEM 3940 - Advanced Laboratory Techniques (*CHEM 3330 and CHEM 3940 must be taken in the same semester*)
- CHEM 3950 - Physical Chemistry Laboratory Techniques (*CHEM 3950 must be taken concurrently with or on completion of CHEM 3560*)
- CHEM 5950 - Chemistry Seminar A (three semesters)
- CHEM 5960 - Chemistry Research

Two of the following advanced courses: (Note: an advanced course in biology, biochemistry, mathematics, or physics may be substituted for one of the advanced chemistry courses with departmental approval.)

- CHEM 5820 - Advanced Analytical Chemistry
- CHEM 5860 - Advanced Organic Chemistry
- CHEM 5880 - Advanced Physical Chemistry

Mathematics requirement:

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- MATH 3320 - Multivariable and Vector Calculus (*or equivalent 3000-level course*)

Physics requirement:

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II

Bachelor of Arts: Chemistry Major Requirements

For students wishing to attend graduate school in interdisciplinary programs or professional school, establish a double major, complete forensic science certification, obtain a secondary teaching license, or study abroad, the following courses constitute the minimum requirement for the B.A. degree. American Chemical Society certification may be obtained by completing CHEM 5960 Chemistry Research in addition to the upper division electives.

Gateway course(s): (Students complete General Chemistry I and II or Advanced General Chemistry.)

- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

Or

- CHEM 1500 - Advanced General Chemistry

Foundation courses:

- CHEM 3240 - Analytical Chemistry
- CHEM 3450 - Organic Chemistry I
- CHEM 3550 - Physical Chemistry I
- CHEM 3840 - Inorganic Chemistry
- CHEM 5950 - Chemistry Seminar A (three semesters)

Research Experience (one of the following):

- CHEM 5951 - Chemistry Seminar B (for students not seeking ACS certification)
- CHEM 5960 - Chemistry Research (for students seeking ACS certification)

One of the following:

- BIOC 3820 - Biochemistry I
- CHEM 3700 - Chemical Biology

12 credits chosen from the following: (Physics, Biology, or Biochemistry courses numbered 3000 or higher may be substituted with approval of the department chair.)

- CHEM 3330 - Instrumental Methods (*CHEM 3330 and CHEM 3940 must be taken in the same semester*)
- CHEM 3460 - Organic Chemistry II
- CHEM 3560 - Physical Chemistry II
- CHEM 3940 - Advanced Laboratory Techniques (*CHEM 3330 and CHEM 3940 must be taken in the same semester*)
- CHEM 3950 - Physical Chemistry Laboratory Techniques (*CHEM 3950 must be taken concurrently with or on completion of CHEM 3560*)
- CHEM 5820 - Advanced Analytical Chemistry
- CHEM 5860 - Advanced Organic Chemistry
- CHEM 5880 - Advanced Physical Chemistry
- BIOC 3830 - Biochemistry II

Mathematics requirement:

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- One additional MATH or statistics course, 3000 or above, is highly recommended.

Physics requirement: (Choose Physics I & II from one of the series below.)

- PHYS 1150 - Algebra-based Physics I

- PHYS 1160 - Algebra-based Physics II

Or

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II

Minor Requirements

For students desiring a minor in chemistry, six courses constitute the minimum requirement:

General Chemistry Courses: (complete General Chemistry I and II or Advanced General Chemistry)

- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

Or

- CHEM 1500 - Advanced General Chemistry

Foundational Chemistry Courses:

- CHEM 3240 - Analytical Chemistry
- CHEM 3450 - Organic Chemistry I

Elective Courses (2 or 3 courses) - Students completing the CHEM 1130/CHEM 1140 sequence must choose two electives from the following; students completing CHEM 1500 must choose three electives from the following:

- BIOC 3820 - Biochemistry I
- CHEM 3330 - Instrumental Methods
- (Coregistration with CHEM 3940 Advanced Laboratory Techniques is required.)
- CHEM 3550 - Physical Chemistry I
- CHEM 3560 - Physical Chemistry II
- CHEM 3700 - Chemical Biology
- CHEM 3840 - Inorganic Chemistry

Chemistry: Licensing for Secondary School Teaching

Chemistry majors pursuing a teaching license at the 9-12 level may complete either the BA or BS chemistry program requirements. In addition, students must complete the teacher education courses required for a Minnesota teaching license.

To extend the license to include teaching science in grades 5-8 requires the following four additional courses:

- BIOL 1800: Principles of Ecology and Evolution
- BIOL 1820: Principles of Plant and Animal Physiology
- PHYS 101: Astronomy (to be taken at Augsburg)
- GEOL 150: Dynamic Earth and Global Change (to be taken at Macalester)

Communication Studies Department

The communication studies program involves students in critical inquiry and informed practice. All human enterprise depends upon communication, therefore communication professionals have a special responsibility to create and analyze messages with critical attention to the processes that shape them, the information that supports them, the arguments that are made, and the effects messages produce. Communication is central to our personal and social lives, in our families, and in our work. Skill in communication is consistently identified as one of the most important abilities employers value and seek when hiring. Knowing how to effectively communicate also enables us to participate meaningfully in civic life. Whether the messages are verbal or nonverbal, face-to-face or mediated, private or public, as a communication studies student you will be challenged to create, describe, analyze, explain, and evaluate them as a knowledgeable communicator. Communication studies will help you develop your ability to:

- Analyze and evaluate the effects of communication in various contexts including communication in public and personal settings, and when using technology
- Understand and analyze the interaction of diversity with communication
- Recognize what is necessary to work as a productive member of a group or team
- Ask relevant questions about communication and formulate ways to answer those questions
- Develop your own ability to communicate competently in various contexts including when communicating face-to-face, in small or large groups, in organizations, across diverse cultures, and using technology

The communication studies major is composed of several required core courses and additional courses chosen in conjunction with the program advisor. Students choose additional courses depending upon their individual interests and the direction they wish to pursue in the field. Communication studies faculty work closely with students to direct them to coursework that will be most beneficial to them given their academic and career interests.

The department of theatre arts operates a TV studio that supports original student video productions. A video production course is offered regularly through Theatre Arts, and can be applied to the Communication Studies major. In addition, the Communication Studies Department works closely with the digital media arts program.

Postgraduate Opportunities

Corporations typically cite knowledge and skills in communication as among the most important assets a college graduate brings to business. Students may pursue diverse career opportunities in wide-ranging fields related to communication. Career choices by majors include law, human

resources, higher education administration, social service work, community organizing, speech writing, legislative work, public relations, advertising, sales, management, performing arts management, work in broadcast or print media, journalism, teaching, and other areas.

Research and Internships

Communication studies majors are encouraged to participate in the collaborative research program as a way to pursue advanced level study with a faculty member. Majors are also encouraged to do an internship, which can be done for major credit if supervised by a communication studies faculty member (see the Bulletin description of internships). Communication studies majors have been interns in areas such as social services, human resources, print media, broadcast media, public relations and advertising, event planning, education, law, and others. International internships are available, and are required of students who pursue the certificate in international journalism (see Hamline's Certificate in International Journalism in this Bulletin).

Honors

Communication studies majors who have a minimum GPA of 3.5 in major courses are invited to apply for the departmental honors program. A student pursuing departmental honors will complete a serious extensive independent research in an area of interest, under the supervision of a departmental faculty member. Candidates for departmental honors must apply to the department for honors and obtain approval for the proposed project no later than 14 months prior to expected graduation. If approved, the candidate works closely with a departmental faculty supervisor to complete an independent research project, culminating in a written honors thesis which is then presented and defended to an examination committee. If both the written thesis and the oral examination are deemed worthy of honors, a copy of the thesis is filed in the Hamline University Bush Library and departmental honors are awarded at graduation.

Faculty

Departmental faculty combine active professional work in their respective fields with their primary role as educators. All faculty members in Communication Studies are involved in professional areas of their specializations beyond the campus, nationally and internationally, presenting research, and working as consulting professionals in various capacities.

Verna C. Corgan, associate professor. BA 1984, MA 1986, PhD 1992, University of Minnesota. Publications in communication ethics and legal communication. Teaching and research interests: legal rhetoric, communication ethics, argumentation, communication and rhetorical theory, persuasion, public speaking, small group communication, gender and communication.

George M. Gaetano, associate professor, chair. BA 1977, MA 1979, PhD 1995, University of Minnesota. Publications in humor theorizing and humor research. Teaching and research interests include organizational communication, persuasion, family communication, gendered communication, intercultural communication, public speaking, and humor research.

Suda Ishida, professor. BA 1988, Chiang Mai University, Thailand; MA 1996, Macquarie University, Sydney, Australia; PhD 2002, University of Iowa. Publications in global media studies. Teaching and research interests include media studies, global media and social-political conflicts, cultural and critical theories, history of U.S. journalism, and intercultural communication.

Patricia R. Palmerton, professor. BA 1972, Macalester College; MA 1979, PhD 1984, University of Minnesota. Publications in rhetoric, social change, curriculum development, communication education, and instructional communication. Teaching and research interests: communication and rhetorical theory, argumentation, gender and communication, small group communication, interpersonal communication, communication and conflict, research methods. Consultant in communication and education, and communication processes in organizations.

Major Program

The communication studies major is appropriate for students pursuing a general liberal arts degree who desire flexible preparation applicable to many contexts. It is a strong major for those who intend to go to law school, who want to go into teaching, and who are interested in sales, management training, social work, community organizing, mediation and conflict resolution, broadcasting, journalism, public relations, advertising, media analysis, graduate school in communication studies and related areas, and other careers.

The communication studies major also prepares students for careers and/or graduate study in several different specializations. Communication studies faculty are prepared to support students who wish to specialize in areas such as communication in relational contexts (for example, interpersonal, group, and organizational communication), strategic communication processes (such as argumentation, political and campaign communication, public relations, and advertising), and media studies (including journalism, global media studies, and media production). Some students may also be interested in pursuing the certificate in international journalism in addition to the communication studies major. (See Hamline's Certificate in International Journalism in this Bulletin.) Faculty members regularly advise students in designing a course plan to achieve the desired specialization. Hamline University's 3-3 program, in partnership with Mitchell Hamline School of Law, allows highly talented and motivated students to pursue a variety of paths to law school. Students majoring in communication studies have very successfully

participated in this program. See this website for more information: www.hamline.edu/cla/legal-studies/3-3-law-school-early-admission/.

Major Requirements

The communication studies major consists of at least 11 courses chosen in consultation with your communication studies major advisor. For course descriptions, see communication studies courses.

Required core courses:

- COMM 1100 - Introduction to Communication Studies
- COMM 1650 - Argumentation and Advocacy
- COMM 3300 - Communication Research Methods
- COMM 3380 - Small Group Communication
- COMM 5650 - Western Rhetorical Theory

One course chosen from:

- COMM 5900 - Senior Research Seminar
- COMM 5010 - Departmental Honors Research (application and approval required)

At least one course in culture and communication:

- COMM 3460 - Intercultural Communication
- COMM 3670 - Gender, Communication, and Knowledge
- Or appropriate COMM 3980 Special Topics in Communication (can only be used if pre-approved by your communication studies major advisor)

At least three upper level courses in communication processes:

- COMM 3320 - Media in the Digital Age
- COMM 3360 - Interpersonal Communication
- COMM 3370 - Family Communication
- COMM 3390 - Organizational Communication
- COMM 3420 - Media in Global Perspective
- COMM 3460 - Intercultural Communication (if not used to fulfill the Culture & Communication requirement above)
- COMM 3480 - Media and Global Environmental Conflicts
- COMM 3560 - Communication in Conflict Situations
- COMM 3630 - Persuasion
- COMM 3639 - Persuasive Cases and Campaigns
- COMM 3670 - Gender, Communication, and Knowledge (if not used to fulfill the Culture & Communication requirement above)
- COMM 3960 - Field Experience Seminar
- COMM 3980 - Special Topics in Communication (can be used only if approved by your communication studies major advisor, and if not used to fulfill the Culture & Community requirement above)

One additional elective - In addition to the upper level courses listed above, the following courses may be applied to the major as electives:

- COMM 1980/3980/5980 - Special Topics in Communication Studies
- COMM 3970/5970 - Independent Study in Communication Studies

- COMM 3990/5990 - Internship in Communication Studies
- ACTC communication studies courses selected in consultation with your communication studies major advisor
- COMM 1110 - Public Speaking
- COMM 1320 - Introduction to Critical Media Studies
- DMA 1100 - Introduction to Digital Media Arts
- DMA 1420 - Introduction to Digital Video
- ENG 3320 - Fundamentals of Journalism

Other Hamline courses recommended:

- PSY 1340 - Statistics for the Behavioral Sciences
- Or
- QMBE 1310 - Statistics

Minor Requirements

The minor in communication studies is comprised of a minimum of six courses, as follows:

Required core courses:

- COMM 1100 - Introduction to Communication Studies
- COMM 1650 - Argumentation and Advocacy
- COMM 3380 - Small Group Communication

Required additional courses:

- Three additional communication studies courses, at least two of which must be upper division, chosen in consultation with your communication studies minor advisor.

Computer Science Program

Computer science can be described in many different ways. On the broadest level, it has to do with developing problem solving skills by honing critical reasoning and, in specific, the ability to think in precise, algorithmic terms (that is, by constructing a well-defined procedure). This means in practice writing computer code and analyzing its correctness as well as its use of time and space resources.

Besides a field of study in its own right, CS can also be described as a tool that can be used by many other disciplines, particularly in analyzing and finding patterns in large datasets. These disciplines range from the social sciences (e.g., economics, psychology, political science) to the natural sciences (e.g., biology, chemistry, physics) to the humanities (e.g., art, literature, music). Because of its wide applicability, demand for jobs in CS has been growing for the last several decades and is expected to grow for the foreseeable future.

Computer science at Hamline introduces students to the beauty and power of the subject. In addition, it is also meant to prepare students for the vast array of jobs that require not only specific coding skills but also the type of problem solving developed by writing computer programs.

Hamline offers a minor in computer science. Through Hamline's flexible curriculum option, students can also major in computer science. This involves first taking the core courses (CSCI 1250, CSCI 3150, and Math 3440) at Hamline and then completing a directed program of courses primarily at other ACTC institutions (Augsburg, Macalester, St. Catherine University, and the University of St. Thomas).

This program includes course work in algorithms, theory of computation, principles of programming languages, and computer architecture along with electives. Students interested in this major should contact the director of the computer science program. Because of the sequential nature of the course work, students are strongly advised to begin their CS curriculum in their first year if possible. In practice, this usually means enrolling in CSCI 1250 in the first semester. If sections are full, do not hesitate to contact the instructor or the program director.

Computer science program director: Ken Takata,
Mathematics, ktakata01@hamline.edu.

Minor Requirements

Students may complete a minor in computer science by taking the following six courses:

- CSCI 1250 - Introduction to Computer Science
- CSCI 3150 - Data Structures
- MATH 3440 - Discrete Mathematics

Three Additional Courses

- Three other computer science courses, to be approved by the program director. Examples of such courses include but are not limited to those in algorithms, computer architecture, or databases.

Note: Students wishing to minor in computer science should consult with the director of the computer science program to formulate a course of study.

Conflict Studies Program

The study of conflict is a study of ourselves and our relation to others at interpersonal, group, and societal levels. The conflict studies minor and certificate program offer an interdisciplinary perspective on the theory and practice of conflict analysis and response at these various levels and in various settings. The program is designed to complement a range of academic majors. Students will be challenged to understand the context, nature, and dynamics of conflict; to address the natural tensions between concerns for justice and concerns for peace; and to develop an appreciation for the challenges of constructive conflict resolution. More specifically, students who complete a minor or certificate in conflict studies will be able to (1) analyze specific cases of conflict using multiple disciplinary frameworks; (2) generate and evaluate multiple responses to cases of conflict; and (3) integrate concerns for social justice, diversity, and peace in conflict responses generated.

Conflict studies program co-directors: Ken Fox and Colleen Bell

Faculty

As an interdisciplinary program, conflict studies draws its faculty from the various departments and disciplines at Hamline University. Core faculty (that is, those who regularly teach required courses) are Ken Fox, Colleen Bell and Patricia Palmerton.

Acceptance to the Program

The conflict studies program is open to all interested undergraduates and is individually tailored to address each student's learning objectives. Prior to approving a proposed course of study, each student is required to meet with a member of the core faculty to develop a statement that describes the student's proposed learning objectives and how they relate to the student's academic major, and to identify appropriate courses that will meet the student's learning objectives. Approval should be obtained by the end of the term in which the student completes the second required course, Approaches to Conflict Response. Students may only count courses toward the minor or certificate that have been approved in advance by the program director or conflict studies advisor.

Minor Requirements

The conflict studies minor is designed to help students develop deeper insights and understanding into the causes and dynamics of conflict and to gain competence and courage to address conflict in constructive and innovative ways.

Students take six (6) courses as follows:

- CFST 1100 - Introduction to Conflict Studies
- CFST 3100 - Approaches to Conflict Response
- Additional Four (4) Courses from Student's Selected Track

In order to assure that students develop a coherent program of study related to their major area of interest, the program is divided into three areas of emphasis or "tracks." After completing the two core courses required of all conflict study minors (CFST 1100 and CFST 3100), each student selects and follows the one track most appropriate for his or her focus of study. Courses within each track are at the 3000-level or above. Students should consult with the conflict studies program director about approved courses within each track.

Track 1: Interpersonal Conflict - This track explores conflict at the individual level. Students interested in this track might have academic majors such as business, communication studies, legal studies, management, philosophy, psychology, religion, and women's studies, among others.

Track 2: Group/Organizational Conflict - This track explores conflict within and between groups and organizations. Students interested in this track might have academic majors such as communication studies, environmental studies, global studies, international management, legal studies, management, political science, psychology, religion, social studies, social justice, sociology, and women's studies, among others.

Track 3: Sociocultural Conflict - This track explores conflict at the sociocultural level, whether domestic or international. Students may elect to focus on conflict within or between the United States and/or other nation-states. Students interested in this track might have academic majors such as anthropology, criminology and criminal justice, history, international management, Latin American studies, legal studies, philosophy, political science, psychology, religion, social justice, social studies, sociology, and women's studies, among others.

Internship/practicum/off-campus study

Students pursuing the undergraduate minor are encouraged, but not required, to participate in an approved internship, practicum, or off-campus study experience with a theme related to the study of conflict. An approved internship/practicum/off-campus study experience can substitute for one of the four (4) courses required from within the student's track.

Certificate Requirements

The undergraduate certificate in conflict studies is designed to provide greater educational depth and integration than the

minor. A student wishing to earn a certificate in conflict studies must make application and be approved in the same manner as students entering the conflict studies minor program. Students pursuing a minor may elect to continue for a certificate, with approval of the program director.

Students approved for the certificate in conflict studies must take eight (8) courses as follows:

- CFST 1100 - Introduction to Conflict Studies
- CFST 3100 - Approaches to Conflict Response

Additional Six Courses

- One approved internship/practicum/off-campus study experience with a theme related to the study of conflict
- Four required courses from within the student's approved track
- Capstone. Students in the certificate program are required to participate in an approved capstone course

Creative Writing Department

The BFA in creative writing, which includes an English minor, offers a rigorous apprenticeship in the craft and process of writing, background in the British and American literary traditions, and an understanding of textual analysis and the practical and theoretical dimensions of reading and writing.

The tiered curriculum of our BFA courses is designed to give apprentice writers the tools to execute the craft of fiction, poetry, and/or creative nonfiction while guiding them in the development of an effective writing practice and the ability to read closely as writers as they create their own original works. They are exposed to the wealth of literary arts opportunities in the Twin Cities and the ins and outs of literary publishing. The English minor requires students to read broadly, to be grounded in the history of literary forms, and to learn and practice the critical thinking and writing skills needed to interpret those forms.

The BFA offers students the knowledge and skills necessary to prepare them to enter the job market, to apply to graduate school in creative writing or other disciplines, and to function as emerging literary artists.

Other Creative Writing Options

There are several options other than the major available to students interested in studying creative writing. The English Department offers an English major with a concentration in creative writing or an English creative writing minor as part of the Bachelor of Arts degree. Non-creative writing majors are encouraged to take those creative writing courses open to the general student body. These courses can develop appreciation of literary forms, fundamentals of the craft, creative process and textual interpretation skills across artistic disciplines.

Internships

An internship experience is a required component of the degree program. Hamline's commitment to community-based learning and its location in the Twin Cities give students the opportunity to choose from a wide-range of internship experiences in the literary marketplace. Students can also take the course, "Runestone: Introduction to Literary Publishing," and become members of the editorial board of the national online undergraduate literary journal, Runestone. Hands-on experience working in local literary and commercial publishing and in related fields, or on Runestone, gives students invaluable insights into the world of work and practical knowledge of the kinds of professions open to them after they graduate. The Twin Cities is home to The Loft Literary Center and a multitude of publishers, including Lerner Publications, Llewellyn Worldwide, Minnesota Historical Society Press, University of Minnesota Press and three of the finest literary presses in the country—Graywolf Press, Milkweed Editions, and Coffee House Press—all with well-established internship programs.

Postgraduate Opportunities

Creative writing graduates have excellent writing and communication skills; they know how to think and problem solve; and they are prepared to interact effectively in a multicultural, global environment. Upon graduation from Hamline, BFA graduates will have a wide range of fundamental and advanced knowledge and skills that will prepare them to pursue the literary writing life or a range of careers in publishing, professional writing, corporate communications, advertising, marketing and other related fields. Those who choose to pursue a graduate degree in creative writing or other disciplines will be well prepared for admission.

Teaching

Those creative writing majors who would like to pursue a 5-12 teaching license in communication arts and literature while pursuing their BFAs may do so through the Hamline School of Education. Since the requirements for licensure are extensive, this will require careful planning and may entail an additional semester to complete. Another option is to pursue a Master of Arts in Teaching at Hamline after the student completes his/her BFA.

Faculty

Our creative writing faculty are published, award-winning authors and highly effective teachers who create a caring, engaged, and supportive environment. English department faculty are highly regarded teachers and scholars known for their attention to students and the quality of their students' individual and collaborative research projects.

John Brandon, assistant professor. BA 1999, University of Florida; MFA 2001, Washington University. Publications: *Further Joy* (McSweeney's Press, 2014), *A Million Heavens* (McSweeney's Press, 2012), *Citrus County* (McSweeney's Press, 2011), *Arkansas* (McSweeney's Press, 2008).

Patricia Weaver Francisco, professor of practice. BA 1974, University of Michigan. Publications: *TELLING: A Memoir of Rape and Recovery* (HarperCollins, 1999), *Village Without Mirrors* (Milkweed Editions, 1989), *Cold Feet* (Simon & Schuster, 1988), *Lunacy* (Dramatic Publishing Company, 1983).

Deborah Keenan, professor. BA 1974, Macalester College. Publications: *From Tiger to Prayer* (Broadcraft Press, 2013), *Willow Room*, *Green Door: New and Selected Poems* (Milkweed, 2007), *Good Heart* (Milkweed Editions, 2003), *Kingdoms* (Laurel Poetry Collective, 2006), *Happiness* (Coffee House Press, 1995), *The Only Window That Counts* (New Rivers Press, 1985), *Household Wounds* (New Rivers Press, 1981), and *One Angel Then* (Midnight Paper, 1980).

Sheila O'Connor, associate professor. BA 1982, University of Minnesota; MFA 1986, Iowa Writers Workshop. Publications: *Keeping Safe the Stars* (G.P. Putnam and Sons, 2012), *Sparrow Road* (G.P. Putnam and Sons, 2011), *Where*

No Gods Came (University of Michigan Press, 2003),
Tokens of Grace (Milkweed, 1990).

Angela Pelster-Weibe, assistant professor. B Ed. 2008,
University of Alberta; MFA 2012, University of Iowa
Nonfiction Writing Program. Publications: *Limber*
(Sarabande Books, 2014) and *The Curious Adventures of*
India Sophia (River Books, 2005).

Mary Francois Rockcastle, associate professor, director. BA
1974, Douglas College; MA 1980, University of Minnesota.
Publications: *In Caddis Wood* (Graywolf Press, 2011), *Rainy*
Lake (Graywolf Press, 1995).

Katrina Vandenberg, assistant professor. BFA 1992, Bowling
Green State University; MFA 1997, University of Arkansas.
Publications: *The Alphabet Not Unlike the World* (Milkweed
Editions, 2012) and *Atlas: Poems* (Milkweed Editions, 2004).

Major Program

Hamline's creative writing major provides students a rigorous apprenticeship in the craft and process of writing; a tiered curriculum in poetry, fiction, and creative nonfiction; a strong background in the British and American literary traditions; and an understanding of the theoretical dimensions of reading and writing. Students will learn how to read closely as a writer, to create their own original works, and to analyze and appreciate the elements that comprise works of literature.

Major Requirements

To earn a bachelor of fine arts (BFA), students must complete 15 courses: 9 courses in creative writing and an English minor (6 courses).

Creative Writing Major

- WRIT 3000 - Creating Across Genres

Two of the following:

- WRIT 3110 - Forms & Elements of the Craft I: Poetry
- WRIT 3120 - Forms & Elements of the Craft I: Fiction
- WRIT 3130 - Forms & Elements of the Craft I: Creative Nonfiction

One of the following:

- WRIT 3210 - Forms & Elements of the Craft II: Poetry
- WRIT 3220 - Forms & Elements of the Craft II: Fiction
- WRIT 3230 - Forms & Elements of the Craft II: Creative Nonfiction

One of the following:

- WRIT 5110 - Advanced Poetry: Workshop
- WRIT 5120 - Advanced Fiction: Workshop
- WRIT 5130 - Advanced Creative Nonfiction: Workshop

Creative Writing Topics

- Two additional creative writing topics courses above 3000-level

Internship

- WRIT 3990: Internship

Senior Seminar

- WRIT 5960 - Senior Seminar in Creative Writing

English minor

- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory
- Two non-writing courses above 3020
- One additional 3000-level elective

One of the following:

- ENG 1210 - British Literatures to 1789
- ENG 1220 - British Literatures after 1789
- ENG 1230 - American Literatures to 1860
- ENG 1240 - American Literatures after 1860
- ENG 1250 - World Literatures
- ENG 1270 - African-American Literatures

Criminal Justice and Forensic Science Department

The Department of Criminal Justice and Forensic Science offers a major and minor in criminology and criminal justice (CCJ), and a certificate and minor in forensic science. Students pursuing a CCJ major and/or a certificate in forensic science complete an internship that enables them to connect theory to practice and gain valuable professional work experience. The location of Hamline in the Twin Cities offers students diverse opportunities for exceptional internships in crime labs and medical examiner offices, and local, state and federal criminal justice, law enforcement, legal, and social service agencies.

The CCJ major provides a student with a social science approach to the study of crime. The required courses create the foundation for a broad understanding about crime and justice. Graduates pursue careers related to local, state, or federal law enforcement, corrections, probation and parole, social services, criminal justice research and policy. The CCJ minor provides an overview of the criminal justice system for students pursuing other academic majors.

The forensic science certificate is paired with a natural science major to prepare students interested working in a crime lab as forensic scientists, and with an anthropology major to prepare students for graduate study leading to a career in forensic anthropology. The certificate is interdisciplinary and exposes students to the application of scientific principles and analytical methods to criminal and civil investigations. Students intending to pursue a career in medical examiner offices or crime labs should complete the certificate.

The forensic science minor complements majors in CCJ, legal studies, psychology and other related disciplines by providing students with a concentration of forensic science coursework.

Courses are taught by professors with experience and expertise in juvenile corrections and juvenile justice policy, privacy and data security, victimology, criminal law and procedure, police practices, forensic anthropology, forensic toxicology, chemistry, and microscopy. Nationally recognized practitioners teach a variety of courses including crime scene investigation, DNA analysis, firearm and toolmarks, fingerprints, and questioned documents.

As part of the curriculum, students attend presentations from guest lecturers from criminal justice and forensic science professionals, and tour criminal justice and forensic science agencies such as the Bureau of Criminal Apprehension and correctional facilities. Students are required to observe a variety of legal and criminal justice proceedings throughout the completion of their coursework to emphasize the connection between theory and practice.

Internships

All students pursuing a major in criminology and criminal justice or a forensic science certificate are required to complete an internship in their chosen field as part of their major requirements. Students complete a minimum 120 hour internship concurrently when they enroll in their senior capstone course in criminal justice (CJFS 5660) or forensic science internship course (CJFS 3580). The internship provides a unique opportunity for students to gain hands on experience in their individual field(s) of interest. Past internship sites have included (but are not limited to): Hennepin County Sheriff's Office, Dakota County Sheriff's Office, Hennepin County Community Corrections, Ramsey County Community Corrections, Minnetonka Police Department, Minneapolis Police Department Crime Lab, Saint Paul Police Department Crime Lab, Minnesota Coalition of Battered Women, U.S. Marshals, United States Department of Agriculture (investigations unit), Bureau of Criminal Apprehension, Hennepin County Medical Examiner's Office, and Cold Case Units.

Postgraduate Opportunities

In addition to the various professional opportunities described above, students may also continue their education in graduate programs in criminology, criminal justice, social work, public administration, or law. Forensic science certificate students may pursue additional training in chemistry, biology, or forensic science graduate programs.

Honors and Student Activities

Students wishing to be considered for honors should request detailed information from department faculty no later than the beginning of spring of their junior year. Honors students must have a GPA of 3.5 or better in the criminology and criminal justice major, and honors projects must be approved by department faculty. Honors projects should exhibit distinctive scholarship, originality of thought, and a high degree of relevance to a major issue in the discipline. In addition, summer collaborative research projects with faculty are possible. Criminology and criminal justice majors and forensic science certificate students may apply for summer collaborative research funds with a department faculty member.

Hamline's Department of Criminal Justice and Forensic Science has an active and award winning forensic sciences society. Students pursuing a forensic science certificate or a minor in forensic science can become an active member in this student organization to explore educational and career opportunities in the field of forensic science.

Peace Officer Standards and Training (POST) Concentration

Hamline University's Department of Criminal Justice and Forensic Science is certified by the Minnesota POST Board as a provider of academic training for students seeking licensure as a Minnesota peace officer. Students interested in such licensure are encouraged to declare the POST Concentration as soon as possible after enrollment at the university.

Forensic Science Certificate for Post-baccalaureate Students

The Forensic Science Certificate prepares students to work in crime labs and related offices. Applicants must hold a bachelor's degree in a natural science from a regionally accredited college or university with a cumulative grade point average of 3.0 or higher. Petitions to earn the certificate through other majors will be evaluated by the chair of the department.

Tuition and Fees - Tuition and fee information is available from the Student Accounts office. Financial aid is available based on individual eligibility. Students must be enrolled in at least six semester credits to qualify for financial aid. For required forms or more information, contact Student Administrative Services at 651-523-3000.

Admission Deadlines

Fall - August 1
Spring - December 1

Application Checklist

Complete the application and provide a personal statement outlining your career and educational goals. You may include any information you feel may be of importance to the Admission Committee. All international applicants must pay a \$100 application fee. The application fee is accepted in the form of a bank draft (payable to Hamline University).

Arrange to have official transcript(s) of previous course work and one letter of recommendation sent directly to:
Hamline University Office of Graduate Admission
1536 Hewitt Avenue, MS-A1710
Saint Paul, MN 55104-1281

You will be contacted once your application file is complete and the Admission Committee has made a decision on your application status. Hamline University does not discriminate on the basis of race, color, national origin, ancestry, sex, disability, religion, age, sexual orientation, or veteran status in its education or employment programs or activities.

Faculty

Gina A. Erickson, assistant professor, criminology and criminal justice. BA, Luther College; MA 2004, University of Iowa; PhD 2012, University of Minnesota. Professor Erickson's

areas of expertise include: criminology, statistics, methods, and life course and family demography.

Sarah J. Greenman, assistant professor, criminology and criminal justice. BA, Carleton College; MA 2010, University of Maryland; PhD 2014, University of Maryland. Professor Greenman's areas of expertise include: victimology, sanctioning, and deterrence.

Glenn G. Hardin, professor of practice, forensic science. BS, University of California at Berkeley; MPH, University of California at Berkeley. Professor Hardin's areas of expertise include: forensic toxicology, chemistry, and microscopy.

Susan M.T. Myster, professor, anthropology. BA, Hamline University; MA 1989, PhD 2001, University of Tennessee. Professor Myster's areas of expertise include: forensic anthropology, human osteology, bioarchaeology, and prehistoric population relationships and migration patterns.

Jillian K. Peterson, assistant professor, criminology and criminal justice. BA, Grinnell College; MA 2009, PhD 2012, University of California, Irvine. Professor Peterson's areas of expertise include: mental illness, forensic psychology, violent crime, program and policy evaluation.

Shelly S. Schaefer, chair, assistant professor, criminal justice. BA, University of Minnesota; MA 2007, University of Minnesota; PhD 2011, University of Minnesota. Professor Schaefer's areas of expertise include: criminology, sociology of punishment, juvenile delinquency and juvenile justice policy, and crime policy evaluation.

Major Program

Hamline's criminology and criminal justice (CCJ) major provides students a social science approach to the study of crime. The required courses provide a broad foundation in crime and justice, and social research methods to understand criminal justice policy and interventions. CCJ majors develop a working knowledge of the key components of the criminal justice system. Students learn how policy impacts both the institutions and individuals working within the system. Majors gain a solid methodological foundation to critique policy and criminal justice interventions being used by professionals today. Hamline University is unique in offering students the opportunity to complement their CCJ major with a forensic science minor.

CCJ Major Requirements

A student majoring in criminology and criminal justice (CCJ) must complete 44 credits using the guidelines described below.

Five required courses:

- CJFS 1120 - Crime and Justice in America
- CJFS 1140 - Quantitative Methods in Criminal Justice
- CJFS 1400 - Diversity Issues in Criminal Justice
- CJFS 3750 - Theories of Criminal Behavior
- CJFS 5660 - Senior Capstone and Internship in Criminology and Criminal Justice

Required Corrections Competency - choose one of the following corrections courses (students can take both courses and count one towards their additional 16 elective credits):

- CJFS 3760 - Juvenile Delinquency/Juvenile Justice - covers juvenile corrections
- CJFS 3770 - Punishment, Corrections and Society - covers adult corrections

Required Policy and Practice Competency - choose one of the following courses that examines how the study of crime, policy, and practice intersect (students are encouraged to take more than one course from this area towards their additional 16 elective credits):

- CJFS 3700 - Policing in America
- CJFS 3715 - Mental Illness in Criminal Justice
- CJFS 3740 - Courts and Sentencing
- CJFS 5790 - Crime Policy Evaluation

16 Additional Elective Credits - students must complete 16 additional elective credits from the list below; at least 8 credits must be CJFS courses (students are strongly encouraged to take more than 8 credits of CJFS designated courses):

- CJFS 1150 - Drugs and Society
- CJFS 3400 - Survey of Forensic Science
- CJFS 3660 - Forensic Psychology and the Law
- CJFS 3700 - Policing in America
- CJFS 3710 - Criminal Law and Practice
- CJFS 3715 - Mental Illness in Criminal Justice
- CJFS 3720 - Constitutional Issues in Criminal Procedure
- CJFS 3730 - Victimology
- CJFS 3740 - Courts and Sentencing
- CJFS 3760 - Juvenile Delinquency/Juvenile Justice
- CJFS 3770 - Punishment, Corrections and Society
- CJFS 3780 - International Crime and Justice
- CJFS 5790 - Crime Policy Evaluation
- CJFS 3980/5980 - Approved Topics Course
- CFST 3100 - Approaches to Conflict Response
- PSY 1480 - Abnormal Psychology
- PSY 3640 - Theories of Psychotherapy
- PSY 3840 - Addictive Disorders
- SOC 3350 - Racial and Cultural Minorities
- WSTD 3500 - Topics in Women's Studies (Topic: Engendering Justice)

Criminology and Criminal Justice Minor

The criminology and criminal justice (CCJ) minor provides an overview of the study of crime and criminal justice systems. A student minoring in CCJ must complete 24 credits using the guidelines described below.

Required courses:

- CJFS 1120 - Crime and Justice in America
- CJFS 1400 - Diversity Issues in Criminal Justice
- CJFS 3750 - Theories of Criminal Behavior

12 additional CJFS elective credits:

- Students must complete 12 additional CJFS elective credits. At least 8 credits must be CJFS 37xx or above. CJFS 34xx, CJFS 36xx, and CJFS 3985 courses may not be used towards a CCJ minor.

Forensic Science Minor

The forensic science minor complements majors in criminology and criminal justice, legal studies, psychology and other related disciplines by providing students with a concentration of forensic science coursework.

Required courses:

- CJFS 1120 - Crime and Justice in America
- CJFS 1140 - Quantitative Methods in Criminal Justice
- CJFS 3400 - Survey of Forensic Science

One chemistry course from the following:

- CHEM 1130 - General Chemistry I
- CHEM 1500 - Advanced General Chemistry

Three additional courses from the following:

- CJFS 1150 - Drugs and Society
- CJFS 3410 - Crime Scene Investigation and Reconstruction
- CJFS 3420 - Forensic Biology
- CJFS 3430 - Forensic Document Examination
- CJFS 3440 - Forensic Fingerprint Examination
- CJFS 3450 - Forensic Firearm and Toolmark Examination
- CJFS 3660 - Forensic Psychology and the Law
- CJFS 3985 - Special Topics in Forensic Science
- ANTH 3500 - Forensic Anthropology

Forensic Science Certificate

The Forensic Science Certificate prepares biochemistry, biology, and chemistry majors to work in crime laboratories, and anthropology majors for graduate study leading to a career in forensic anthropology. The Forensic Science Certificate is also for students with bachelor's degrees in the natural sciences from regionally accredited colleges or universities.

Required courses (20 credits):

- CJFS 1120 - Crime and Justice in America
- CJFS 3400 - Survey of Forensic Science
- CJFS 3600 - Forensic Microscopy
- CJFS 3650 - Forensic Science Internship
- CJFS 5400 - Forensic Science Seminar

One year of general chemistry (4-8 credits):

- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

or

- CHEM 1500 - Advanced General Chemistry

Choose a concentration (4-16 credits):

Natural science concentration

- CHEM 3450 - Organic Chemistry I

OR Anthropology concentration

- BIOL 1800 - Principles of Ecology and Evolution
- BIOL 1820 - Principles of Plant and Animal Physiology
- BIOL 3050 - Principles of Genetics
- BIOL 3060 - Principles of Cell Biology

8 additional credits from the following:

- ANTH 3500 - Forensic Anthropology
- CJFS 3410 - Crime Scene Investigation and Reconstruction
- CJFS 3420 - Forensic Biology
- CJFS 3430 - Forensic Document Examination
- CJFS 3440 - Forensic Fingerprint Examination
- CJFS 3450 - Forensic Firearm and Toolmark Examination
- CJFS 3610 - Forensic Toxicology
- CJFS 3985 - Special Topics in Forensic Science

Notes:

1. Students who hold a bachelor's degree may transfer up to four courses, with grades of C or better, from prior college to apply toward the certificate.
2. Students who are seeking to work in the DNA section of a crime lab must complete BIOC 3820 - Biochemistry I to qualify for employment.
3. No course in which the grade received is less than a C may be used to meet certificate requirements. If a Hamline course is repeated to meet this grade requirement, the repeated course credit will be changed to zero and the resulting grade will be excluded in the grade point average (GPA) computation. The GPA of all courses taken in the certificate must be 2.7 or higher and the cumulative GPA of all Hamline courses taken must be 3.0 or higher.
4. Violation of the Hamline University Student Honor Code may result in suspension from the Forensic Sciences Certificate Program.
5. Prospective students planning a career with federal, state, or local crime labs should be aware that anyone seeking such employment will be expected to undergo an extensive background check. A criminal record or a history of controlled substance abuse (including cannabis) may result in disqualification from employment. Hamline University is unable to advise students as to whether a particular background might be problematic. Students are encouraged to contact the labs of interest to obtain information about their specific policies.

Peace Officer Standards and Training (POST) Concentration

Hamline's Department of Criminal Justice and Forensic Science is certified by the Minnesota POST Board to prepare students to take the POST licensing exam. To qualify for the

POST exam, a student must complete a bachelor's degree at Hamline and declare and complete the POST concentration coursework listed below.

Required Courses:

- CJFS 1120 - Crime and Justice in America
- CJFS 1400 - Diversity Issues in Criminal Justice
- CJFS 3700 - Policing in America
- CJFS 3710 - Criminal Law and Practice
- CJFS 3715 - Mental Illness in Criminal Justice
- CJFS 3720 - Constitutional Issues in Criminal Procedure
- CJFS 3730 - Victimology
- CJFS 3760 - Juvenile Delinquency/Juvenile Justice
- LGST 3670 - Legal Interviewing
- LGST 3680 - Law of Evidence for Legal Professionals

Additional Requirements for the POST Exam:

Additional requirements to be eligible for the POST Exam include completion of first responder certification and completion of a law enforcement skills course, both of which are not offered at Hamline. First responder course offerings can be accessed at the Minnesota EMSRB. A ten-week law enforcement skills course is available to Hamline students during the summer at Alexandria Technical and Community College in Alexandria, Minnesota or students can pursue law enforcement skills course at area approved technical schools. Contact POST Coordinator Glenn Hardin at ghardin01@hamline.edu for more information.

Digital Media Arts Department

Digital technology has radically altered the ways in which we understand, create and consume media arts. The courses offered through the Digital Media Arts department provide opportunities for young artists and designers to develop the formal and technical skills that will enable them to create works that engage and challenge a changing society. Majors will pursue one of four areas of specialization: video, audio, web, or graphic design. These areas are broadly defined and will commonly overlap, corresponding to students' specific skills, interests, and goals. The courses in this discipline emphasize the integration of theory and practice.

Hamline's digital media arts major is ideal for future artists, designers, makers, and professionals who will become immersed in the vanguard of current and developing media arts practices, such as audio-visual installation, net art, interactive media design, performance, 3D printing, sound art, and physical computing. Department faculty are engaged with emerging digital media forms and theory, which positions students on the leading edge of a rapidly evolving media arts landscape.

Faculty in the Digital Media Arts program include artist/practitioners in a range of fields as well as scholars engaged in analyzing the ways digital media is changing society.

The Digital Media Arts program is an active participant in the Collaborative Research Program and works with students to develop proposals for consideration.

Course Fees

Digital Media Arts courses all include an automatic \$25.00 course fee which is used to assist with software licenses, consumable supplies and the upgrade of hardware. Students enrolled in digital media courses have exclusive access to Digital Media Labs.

Computer and Software Requirements

The Digital Media Arts program provides enrolled students with exclusive access to specialized lab space for work on course projects. Access for students working on advanced individual projects or collaborative research projects who are digital media arts majors or minors may be arranged with the permission of the Department. All computers used in the Digital Media Arts courses are connected to dedicated high speed servers and student have individual folders for their course work.

Students wishing to bring their own equipment should review the recommended computer and peripherals equipment list located on the Digital Media Arts website.

Faculty

Joshua Gumiela, assistant professor. BA 2003, MFA 2011, Southern Illinois University.

Curtis Lund, assistant professor. BFA 2001, Iowa State University College of Design; MFA 2015, University of Minnesota College of Design.

David Ryan, assistant professor, chair. BA 1982, Taylor University; MFA 1987, Ohio University.

Major Program

The DMA major focuses on the development of creative, technical, and critical skills while providing students with hands-on learning experiences and regular evaluation as they progress through their coursework. Students will receive further individualized feedback on their work through routine portfolio reviews; special emphasis is placed on developing robust portfolios to help students achieve their creative and professional goals as well as prepare them for postgraduate study.

The major also develops the broad critical skills central to the liberal arts. It is intentionally interdisciplinary, and students will pursue the major in explicit relation to other fields, such as Performing Arts, Studio Arts, Art History, Anthropology, English, Social Justice, Computer Science, Film Studies, and Critical Media Theory.

Major Requirements

To earn a degree in Digital Media Arts requires the completion of 12 4-credit courses and 2 2-credit capstone courses.

Foundation Sequence (3 courses)

- DMA 1100 - Introduction to Digital Media Arts
- DMA 1120 - Fundamentals of Design

One Arts Context elective selected from the following:

- ARTH 1210 - Western Traditions: Renaissance to Contemporary
- ARTH 1600 - American Art, 1800-1945
- Other 1000-level Art History course with preapproval from the DMA Chair
- MUS 1100 - Survey of Western Music
- THTR 1120 - Studies in Dramatic Storytelling and Performance: Stage and Screens
- THTR 3180 - Film Studies

Studio Courses (6 courses) - Select six courses from the following list. Two courses must be at the 3000 level or above. At least three different technical areas must be represented in the selection of courses.

- DMA 1410 - Digital Photography I (also taught as ART 1900)
- DMA 1420 - Introduction to Digital Video
- DMA 1450 - Introduction to Graphic Design
- DMA 1460 - Web Design
- DMA 1470 - Introduction to Animation
- DMA 1480 - Introduction to Digital Audio

- DMA 3410 - Digital Photography II (also taught as ART 3900)
- DMA 3420 - Advanced Video Production
- DMA 3450 - Advanced Graphic Design
- DMA 3460 - Advanced Web Design
- DMA 3480 - Digital Audio Recording and Mixing

Theory (1 course)

- ENG 3710 - Critical Digital Media Theory

Interconnected Electives (2 courses)

- The two courses in this cluster expand and refine your understanding of digital media as a technological force across disciplines. Each student, working with an advisor, will design and plan a sequence of courses to meet this requirement. The two courses must reflect a cohesive intellectual investigation. At least one of the courses in this sequence must be at the 3000-level or above. The two course sequence must be approved by the Chair of the Digital Media Arts program.

Capstone (2 courses)

- DMA 5910 - Digital Media Arts Senior Seminar I
- DMA 5920 - Digital Media Arts Senior Seminar II

Minor Requirements

The minor in Digital Media Arts requires the completion of 6 courses, participation in regular portfolio reviews, and regular meetings with a program advisor.

- DMA 1100 - Introduction to Digital Media Arts
- DMA 1120 - Fundamentals of Design

Arts Elective - One course chosen from:

- ARTH 1210 - Western Traditions: Renaissance to Contemporary
- ARTH 1600 - American Art, 1800-1945
- Other 1000-level Art History course with preapproval from the DMA Chair
- MUS 1100 - Survey of Western Music
- THTR 1120 - Studies in Dramatic Storytelling and Performance: Stage and Screens
- THTR 3180 - Film Studies

Technical Skills (3 courses) - Two courses in one of the technical forms (video, audio, web, graphic design), including one 3000-level course. Students should consult with a faculty advisor to select a third course that complements the chosen form.

- DMA 1410 - Digital Photography I
- DMA 1420 - Introduction to Digital Video
- DMA 1450 - Introduction to Graphic Design
- DMA 1460 - Web Design
- DMA 1470 - Introduction to Animation
- DMA 1480 - Introduction to Digital Audio
- DMA 3410 - Digital Photography II
- DMA 3420 - Advanced Video Production
- DMA 3450 - Advanced Graphic Design
- DMA 3460 - Advanced Web Design
- DMA 3480 - Digital Audio Recording and Mixing

East Asian Studies Program

East Asia was the location of some of the most dramatic global events of the last half of the 20th century. From post-colonial revolutions and socialist experiments to Cold War conflicts and diasporic movements of people, the transformations affected the lives and lifeways of over a billion human beings across numerous states, nations, and societies. The rapid economic, political and social transformations of globalization in countries throughout the region have led many to proclaim the 21st century as the "Asian Century."

A major in East Asian studies at Hamline challenges students to acquire working knowledge of the diverse histories, languages, and cultures of any number of East Asian societies-- knowledge that will be vitally important across all sectors of the American economy and society in the years to come. An East Asian Studies major demands that students acquire broad understanding of East Asia, learn the approaches of at least one specific academic discipline, and study a specific area of East Asia in depth. In addition, a major demands that students work toward a functional knowledge of one East Asian language or dialect. This major is possible through the wide variety of courses at Hamline and through the cooperation and cross-registration opportunities among the Associated Colleges of the Twin Cities (ACTC). Study abroad is strongly encouraged for all or part of the student's junior year.

A minor in East Asian studies is designed to challenge students to acquire a basic functional understanding of the history, culture, and/or languages of East Asia that will complement a disciplinary major.

Program director: David Davies, anthropology department.

Major Requirements

Requirements for the major consist of 12 courses that emphasize language study, basic training in the approach of one academic discipline, and area studies components. The courses must be approved by the East Asian Studies program director. Criteria are as follows:

Two intermediate (3000-level) courses in the same discipline that emphasize disciplinary-specific research or theoretical approaches. Some examples include:

- ANTH 3300 - Ethnographic Research Methods
- ANTH 3460 - From Development to Globalization
- HIST 3010 - Historical Methods
- HIST 3960 - Topics in Comparative History
- ECON 3710 - Labor Economics
- ECON 3720 - International Economic Development
- ECON 3730 - International Trade and Finance
- PSCI 3540 - Political Research and Analysis
- PSCI 3640 - Contemporary Political Ideologies
- SOC 3930 - Social Research Methods
- SOC 3950 - Critical Social Theory

Ten Additional Courses

- At least four courses in an East Asian language
- Two introductory courses in Asian history, society, or economics
- Three intermediate (3000-level) courses in Asian history, society, or economics
- The East Asian studies capstone course, EAST 5960: Research in East Asian Studies, that connects disciplinary study and area study culminating in an independent research thesis.

A semester or year abroad in the country of language study is strongly encouraged.

Minor Requirements

A minor consists of five courses that emphasize a depth of knowledge in one area of East Asia. The criteria are:

- Two courses in an East Asian language (more courses are encouraged, but only two will count toward the minor)
- One introductory course in East Asian history or society
- Two intermediate (3000-level) courses in the history or society of a single East Asian nation, state, or region

English Department

The faculty of the English department have three goals for students who graduate with a major or minor in English:

1. Students should be able to read, write, and inquire critically and imaginatively, understanding both the theoretical and practical dimensions of reading and writing.
2. Students should understand the rhetorical, cultural, historical, and interdisciplinary contexts of the texts we study and the profession we practice.
3. Students should join the discourse of the field of English and explore the nature and possibilities of the professions they could choose. Students should know how to work independently and collaboratively, how to blur and cross disciplinary lines in research and writing, how to investigate complex relationships, how to assess and reflect on their learning processes within the discipline, and how to transfer disciplinary skills beyond disciplinary projects.

These three goals are reflected in the specific learning experiences provided by the sequence of course requirements for the major and minor. These learning experiences offer students highly marketable skills in a variety of fields and thorough preparation for postgraduate study.

The English department offers additional, specialized training through its concentrations and minors in creative writing and in professional writing and rhetoric.

Honors

Honors projects are student-initiated and culminate in the production of professional quality research projects of 30-50 pages. Honors projects offer an opportunity in the junior and senior years for students to work closely with a faculty member on a theoretically sophisticated project designed to explore more deeply a particular focus of the student's major program. This work is conducted independently in consultation with an advisor to be selected from among the full-time faculty. The student should begin exploring an honors project by discussing topics with his or her English advisor.

Students wishing to be considered for honors in English should review the detailed information and application forms available from their academic advisor early in their junior years. Applications are reviewed for approval by the full-time faculty members of the English department. Those who successfully defend their honors projects will be awarded honors at graduation and have the designation of "honors" on their transcripts.

Collaborative Research

Students at Hamline can apply for a college-wide competitive summer grant to pursue a focused research project in close collaboration with a faculty member. These grants, usually

given between the junior and senior years often (but not exclusively) contribute to honors projects.

National Conference for Undergraduate Research (NCUR)

English majors are encouraged to present their research at regional and national conferences. Students working on honors projects or completing collaborative research typically submit abstracts for NCUR. Also, students in the fall sections of the senior seminar each produce an abstract and final paper developing their own professional research in the course topic. Typically up to six students from the fall sections of senior seminar have the opportunity to present their seminar research at NCUR. These students are selected by their classmates based on the strength of their abstracts describing their research projects. If accepted by NCUR, which is a prestigious national conference, these students travel with approximately twenty-five other Hamline students to present their papers in the spring.

Internships

To help answer the question: "What do English majors do?" students are strongly encouraged to explore connections between their learning experiences in the major/minor and possible meaningful vocations through traditional internships and through courses that offer LEAP (Liberal Education as Practice) credits with experiential, service, or community-based learning opportunities. English majors and minors have had satisfying LEAP experiences at Graywolf Press, Minnesota State Arts Board, WCCO-TV, Minnesota Monthly, Children's Museum, Urban League, ACLU of Minnesota, KFAI, and Bell Museum of Natural History among others.

Connections to Interdisciplinary Programs

English department faculty team-teach courses with faculty in other disciplines as well as teach courses that are cross-listed with interdisciplinary programs such as African-American Studies, Global Studies, Women's Studies, and the Social Justice program. English majors and minors are thus well positioned to explore connections and develop secondary majors or minors among these programs. In the context of globalization such interdisciplinary connections offer students the foundation of the discipline of English as well as a broader understanding of connections with other fields and disciplines.

Certificate in International Journalism

Students interested in pursuing a program in professional writing also have this option. The certificate program combines introductory courses in journalism and media studies with advanced seminars, internships, and a capstone media project where students can apply their international expertise to the study and practice of journalism. For details see the International Journalism section in this bulletin.

Postgraduate Opportunities

Students' critical reading and writing abilities prepare them for success in the workplace and in postgraduate education.

Vocational exploration opportunities are incorporated into the major's gateway courses and senior seminar. The college and department help English majors plan for graduate school; law school; business careers; and writing-related fields such as communications, advertising, and journalism. Those interested in attending graduate school should discuss securing recommendations and obtaining information on graduate programs and entrance exams with a full-time faculty member and the Career Development Center during their junior year.

Faculty

Kristina K. Deffenbacher, professor. BA 1991, Carleton College; MA 1994, PhD and graduate certificate in gender studies 1998, University of Southern California. Nineteenth-century British literature and culture, 20th-century English and Irish literatures, women's studies, literary theory, composition and rhetoric.

Veena Deo, professor. BA 1969, Fergusson College; MA 1971, University of Poona; PhD 1989, University of Kentucky. African-American literature, postcolonial literatures (Africa and India), and women's studies.

Jennifer England, assistant professor. BA 2009, Ohio University; PhD 2016, New Mexico State University. Rhetoric and professional communication.

David Hudson, professor. BA 1979, MA, 1987, PhD, 1994, University of Minnesota. Early 20th-century British and American literature, journalism, writing technology, and professional writing.

Marcela Kostihová, professor. BA 1998, North Central College; PhD 2004, University of Minnesota. Medieval and Renaissance literature, Shakespeare, critical theory, post-communist studies, global studies, gender and sexuality studies, and Tolkien.

Aaron McKain, assistant professor. BA 1998, University of Nebraska; MA 2004, PhD 2012, Ohio State University. Rhetorical theory, critical digital media studies, narrative and literary theory, legal rhetoric, professional writing, composition studies, pop culture, 20th century American literature, post-postmodernism.

Mark Olson, professor. BA 1977, University of Wisconsin-LaCrosse; MA 1981, PhD 1999, University of Minnesota. American literature and culture, literary theory, poetry, writing across the curriculum, and professional writing.

Michael Reynolds, professor, chair. BA 1989, St. Lawrence University; PhD 2000, University of Southern California. Twentieth-century American literature and culture; theories of literature and culture; genre studies; media literacies: film, drama, television, and the web.

Jermaine Singleton, associate professor. BA 1996, University of Illinois at Urbana-Champaign; MA 1999, University of Illinois at Chicago; PhD 2005, University of Minnesota. Nineteenth- and 20th-century African American literature and culture, 19th- and 20th-century American literature and culture, psychoanalytic literary theory, and postcolonial literature and theory of the African diaspora.

Standard English Major Program

The standard English major requires 10 courses:

- 2 introductory inquiries (survey courses)
- 2 gateway courses (ENG 3010 and ENG 3020)
- 5 advanced inquiries (courses above ENG 3020)
- 1 capstone course (senior seminar)

There are two other English major options: the English major with a concentration in creative writing and the English major with a concentration in professional writing and rhetoric. Each English major with a concentration requires 12 courses. The department offers three corresponding minors in English, creative writing, and professional writing and rhetoric.

Students interested in a standard English major are encouraged to take survey courses (ENG 1210: British Literatures to 1789; ENG 1220: British Literatures after 1789; ENG 1230: American Literatures to 1860; ENG 1240: American Literatures after 1860; ENG 1250: World Literatures; or ENG 1270: African-American Literatures) in their first year and to declare a major as sophomores.

In conjunction with declaring an English major, students must take the sequence of "gateway" courses in critical methods and contemporary theory, ENG 3010: Textual Studies and Criticism and ENG 3020: Literary and Cultural Theory. Juniors and seniors should take 3000-level courses numbered above 3020, at least three of which must be literature or theory courses.

The senior seminar is a capstone course, in which students study a topic in depth and develop independent research projects. ENG 3020: Literary and Cultural Theory and the senior seminar must be taken at Hamline. ENG 3010 and ENG 3020 must be taken at least one semester before the senior seminar and are strongly recommended before taking 3000-level literature courses numbered above 3020.

Note: ENG 1110 is not part of the major but can be counted toward breadth of study.

Major Requirements

The English major requires 10 courses, including:

- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory
- ENG 5960 - Senior Seminar

Two survey courses which must be from different categories below:

Category A

- ENG 1210 - British Literatures to 1789
- ENG 1220 - British Literatures after 1789

Category B

- ENG 1230 - American Literatures to 1860
- ENG 1240 - American Literatures after 1860

Category C

- ENG 1250 - World Literatures
- ENG 1270 - African-American Literatures

Category D

- ENG 1800 - Introduction to Professional Writing and Rhetoric

Three advanced-level literature courses from the following:

- ENG 3100 - Introduction to African-American Studies
- ENG 3190 - Introduction to Linguistics
- ENG 3450 - Studies in Literatures Across Cultures
- ENG 3510 - Studies in a Single Author
- ENG 3530 - Studies in British Literatures
- ENG 3540 - Studies in American Literatures
- ENG 3570 - Women and Literature

Two advanced-level electives from the following:

- ENG 3320 - Fundamentals of Journalism
- ENG 3330 - Special Topics in Journalism
- ENG 3340 - Organizational Writing
- ENG 3370 - Topics in Professional Writing
- ENG 3710 - Critical Digital Media Theory
- ENG 3720 - Teaching Writing: Theory and Practice
- Literature courses from the list above
- WRIT courses at the 3000- or 5000-level (Note: Some WRIT courses have prerequisites that require them to be taken in sequence.)

English Major - Creative Writing Concentration

The English major with a concentration in creative writing requires 12 courses (including up to four courses in creative writing) through which students integrate a broad foundation in critical analysis, literary study, and theoretical practice with focused training in the craft of creative writing.

Students interested in an English major with a concentration in creative writing are encouraged to take survey courses (ENG 1210: British Literatures to 1789; ENG 1220: British Literatures after 1789; ENG 1230: American Literatures to 1860; ENG 1240: American Literatures after 1860; ENG 1250: World Literatures; or ENG 1270: African-American Literatures) in their first year and to declare a major as sophomores.

In conjunction with declaring an English major with a concentration in creative writing, students must take WRIT 3000: Creating Across Genres and a sequence of "gateway" courses in critical methods and contemporary theory, ENG 3010: Textual Studies and Criticism and ENG 3020: Literary and Cultural Theory. Juniors and seniors should take 3000-level courses, at least three of which must be literature or theory courses numbered above 3020.

A senior seminar is the capstone course, in which students study a topic in depth and develop independent research projects. ENG 3020: Literary and Cultural Theory and the senior seminar must be taken at Hamline. ENG 3010 and ENG 3020 must be taken at least one semester before the senior seminar and are strongly recommended before taking 3000-level literature courses numbered above 3020.

Note: ENG 1110 is not part of the major but can be counted toward breadth of study.

Major Requirements

The English Major with Concentration in Creative Writing requires 12 courses, including:

- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory
- (ENG 3020 must be taken at Hamline and taken before the senior seminar)
- ENG 5960 - Senior Seminar
- WRIT 3000 - Creating Across Genres

Two survey courses which must be from different categories below:

Category A

- ENG 1210 - British Literatures to 1789
- ENG 1220 - British Literatures after 1789

Category B

- ENG 1230 - American Literatures to 1860
- ENG 1240 - American Literatures after 1860

Category C

- ENG 1250 - World Literatures
- ENG 1270 - African-American Literatures

Category D

- ENG 1800 - Introduction to Professional Writing and Rhetoric

Three advanced-level literature courses from the following:

- ENG 3100 - Introduction to African-American Studies
- ENG 3190 - Introduction to Linguistics
- ENG 3450 - Studies in Literatures Across Cultures
- ENG 3510 - Studies in a Single Author
- ENG 3530 - Studies in British Literatures
- ENG 3540 - Studies in American Literatures
- ENG 3570 - Women and Literature

Two advanced-level creative writing courses at the 3000- or 5000-level:

- WRIT 3110 - Forms & Elements of the Craft I: Poetry
- WRIT 3120 - Forms & Elements of the Craft I: Fiction
- WRIT 3130 - Forms & Elements of the Craft I: Creative Nonfiction
- WRIT 3210 - Forms & Elements of the Craft II: Poetry
- WRIT 3220 - Forms & Elements of the Craft II: Fiction
- WRIT 3230 - Forms & Elements of the Craft II: Creative Nonfiction
- WRIT 3xxx - Topics course
- WRIT 5xxx - Topics course

(Note: Some WRIT courses have prerequisites that require them to be taken in sequence.)

One additional 3000-or 5000-level elective chosen from:

- ENG 3320 - Fundamentals of Journalism
- ENG 3330 - Special Topics in Journalism
- ENG 3340 - Organizational Writing
- ENG 3370 - Topics in Professional Writing
- ENG 3710 - Critical Digital Media Theory
- ENG 3720 - Teaching Writing: Theory and Practice
- Literature courses from the list above
- WRIT courses at the 3000- or 5000-level (including 5110, 5120, and 5130 after completing prerequisites)
- ACTC equivalent courses

English Major - Professional Writing and Rhetoric Concentration

The English major with a concentration in professional writing and rhetoric requires 12 courses, through which students integrate a liberal arts grounding in critical analysis, rhetorical theory, and textual study with rigorous training in professional writing.

Students interested in an English major with a concentration in professional writing and rhetoric are encouraged to take a survey course (ENG 1210: British Literatures to 1789; ENG 1220: British Literatures after 1789; ENG 1230: American Literatures to 1860; ENG 1240: American Literatures after 1860; ENG 1250: World Literatures; or ENG 1270: African-American Literatures) in their first year and to declare the major as sophomores.

In conjunction with declaring an English major with a concentration in professional writing and rhetoric, students must take ENG 1800: Introduction to Professional Writing and Rhetoric and the sequence of "gateway" courses in critical methods and contemporary theory, ENG 3010: Textual Studies and Criticism and ENG 3020: Literary and Cultural Theory. Juniors and seniors should take 3000-level courses numbered above 3020, three of which must be literature courses, and at least three of which must be professional writing and rhetoric courses.

A senior seminar is the capstone course, in which students study a topic in depth and develop independent research projects. ENG 3020: Literary and Cultural Theory and the senior seminar must be taken at Hamline. ENG 3010 and ENG 3020 must be taken at least one semester before the senior seminar and are strongly recommended strongly recommended before taking 3000-level literature courses numbered above 3020.

Note: ENG 1110 is not part of the major but can be counted toward breadth of study.

Major Requirements

The English Major with Concentration in Professional Writing and Rhetoric requires 12 courses, including:

- ENG 1800 - Introduction to Professional Writing and Rhetoric
- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory
- ENG 5960 - Senior Seminar

One literature survey course from the following:

- ENG 1210 - British Literatures to 1789
- ENG 1220 - British Literatures after 1789
- ENG 1230 - American Literatures to 1860
- ENG 1240 - American Literatures after 1860
- ENG 1250 - World Literatures
- ENG 1270 - African-American Literatures

Two 3000-level literature courses from the following:

- ENG 3100 - Introduction to African-American Studies
- ENG 3190 - Introduction to Linguistics
- ENG 3450 - Studies in Literatures Across Cultures
- ENG 3510 - Studies in a Single Author
- ENG 3530 - Studies in British Literatures
- ENG 3540 - Studies in American Literatures
- ENG 3570 - Women and Literature

Four 3000-level professional writing and rhetoric courses from the following (note - ENG 3330 and 3370 may be taken more than once with different topics):

- ENG 3320 - Fundamentals of Journalism
- ENG 3330 - Special Topics in Journalism
- ENG 3340 - Organizational Writing
- ENG 3370 - Topics in Professional Writing
- ENG 3710 - Critical Digital Media Theory
- ENG 3720 - Teaching Writing: Theory and Practice

One professional writing elective from the professional writing courses listed above or one of the following:

- COMM 3390 - Organizational Communication
- DMA 1120 - Fundamentals of Design
- DMA 1420 - Introduction to Digital Video
- DMA 1460 - Web Design
- LGST 1250 - Legal Research and Writing
- MKTG 3100 - Foundations of Marketing
- WRIT 3000 - Creating Across Genres
- A relevant internship (INTD 3990)

English Minor

Students may choose from a standard English minor, an English minor in creative writing, or an English minor in professional writing and rhetoric.

Requirements: Standard English Minor

The standard English minor requires six courses, including:

- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory

One survey course chosen from:

- ENG 1210 - British Literatures to 1789

- ENG 1220 - British Literatures after 1789
- ENG 1230 - American Literatures to 1860
- ENG 1240 - American Literatures after 1860
- ENG 1250 - World Literatures
- ENG 1270 - African-American Literatures

Two advanced-level literature courses from the following:

- ENG 3100 - Introduction to African-American Studies
- ENG 3190 - Introduction to Linguistics
- ENG 3450 - Studies in Literatures Across Cultures
- ENG 3510 - Studies in a Single Author
- ENG 3530 - Studies in British Literatures
- ENG 3540 - Studies in American Literatures
- ENG 3570 - Women and Literature

One additional advanced-level elective from the following:

- ENG 3320 - Fundamentals of Journalism
- ENG 3330 - Special Topics in Journalism
- ENG 3340 - Organizational Writing
- ENG 3370 - Topics in Professional Writing
- ENG 3710 - Critical Digital Media Theory
- ENG 3720 - Teaching Writing: Theory and Practice
- Literature courses from the list above
- WRIT courses at the 3000- or 5000-level (if prerequisites are met)

Requirements: English Minor in Creative Writing

Six courses in the department, including:

- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory
- WRIT 3000 - Creating Across Genres

One survey course chosen from:

- ENG 1210 - British Literatures to 1789
- ENG 1220 - British Literatures after 1789
- ENG 1230 - American Literatures to 1860
- ENG 1240 - American Literatures after 1860
- ENG 1250 - World Literatures
- ENG 1270 - African-American Literatures
- Two upper level creative writing courses chosen from:
 - WRIT 3110 - Forms & Elements of the Craft I: Poetry
 - WRIT 3120 - Forms & Elements of the Craft I: Fiction
 - WRIT 3130 - Forms & Elements of the Craft I: Creative Nonfiction
 - WRIT 3210 - Forms & Elements of the Craft II: Poetry
 - WRIT 3220 - Forms & Elements of the Craft II: Fiction
 - WRIT 3230 - Forms & Elements of the Craft II: Creative Nonfiction
- WRIT 3xxx - Topics course
- WRIT 5xxx - Topics course

Notes:

- Some WRIT courses have prerequisites that require them to be taken in sequence.
- For English majors, these courses are in addition to those counted in the major program.

Requirements: English Minor in Professional Writing and Rhetoric

Six courses in the department, including:

- ENG 1800 - Introduction to Professional Writing and Rhetoric
- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory

Two 3000-level professional writing courses chosen from the list below. (Note: ENG 3330 and 3370 may be taken more than once with different topics. For English majors, these courses are in addition to those counted in the major program.)

- ENG 3320 - Fundamentals of Journalism
- ENG 3330 - Special Topics in Journalism
- ENG 3340 - Organizational Writing
- ENG 3370 - Topics in Professional Writing
- ENG 3710 - Critical Digital Media Theory
- ENG 3720 - Teaching Writing: Theory and Practice

One professional writing elective chosen from the list above or an option from the list below:

- COMM 3390 - Organizational Communication
- DMA 1120 - Fundamentals of Design
- DMA 1420 - Introduction to Digital Video
- DMA 1460 - Web Design
- LGST 1250 - Legal Research and Writing
- MKTG 3100 - Foundations of Marketing
- WRIT 3000 - Creating Across Genres
- A relevant internship (INTD 3990)

Requirements: Linguistics Minor

The linguistics minor requires a minimum of five courses or 19 credits as follows:

- ANTH 3050 - Topics in Linguistic Anthropology
- ENG 3190 - Introduction to Linguistics
- MODL 1010 - The Language Phenomenon
- MODL 1020 - Language and Society

Electives - a minimum of three elective credits are required from the following list. (Please note: registration for graduate-level ESL courses requires special permission; use the Cross-School/Cross-Program registration form found at www.hamline.edu/registrar/forms.)

- ESL 7610 - History of English
- ESL 7650 - Basics of Modern English
- ESL 7660 - Second Language Acquisition
- ESL 8010 - Phonetics and Phonology
- ESL 8020 - Advanced Linguistic Analysis
- An ACTC linguistics course at the intermediate level or above

Applied Linguistics Minor with Advanced TEFL Certificate

The undergraduate applied linguistics minor with the advanced Teachers of English as a Foreign Language (TEFL) certificate is designed to prepare students for opportunities to teach English abroad. This combined minor and certificate are

unique in the extensive clinical component with theoretical and practical coursework in linguistics. Both the undergraduate College of Liberal Arts and graduate level English as a Second Language Program in the School of Education offer the courses for the minor and certificate.

This collaboration between programs and the combined undergraduate/graduate coursework provide undergraduates with a pre-professional curriculum that prepares students upon graduation for opportunities to work abroad even as they make decisions about further education or career pathways in fields such as education, intercultural communication, communication technology, digital media and professional writing, government, international business, international law or policy studies.

Hamline's internationally-recognized TEFL graduate program was established in 1991 and over 1200 Hamline graduates have taught in more than 40 countries worldwide. Undergraduates can complete the initial 8-credit TEFL Certificate in one academic year. You must take TEFL Part I (ESL 6621) in the Fall term and TEFL Part II (ESL 6622) in the Spring term to be eligible for the TEFL Certificate.

The TEFL course is by application only, and junior or senior standing at the start of the course is required. Please contact Betsy Parrish (bparrish@hamline.edu ; 651-523-2853) for an interview and information on the application process. For a complete description of the TEFL course, go to hamline.edu/tefl.

Undergraduates may also complete the one-month intensive TEFL course in the summer. Preference is given to graduate students for the evening programs.

Requirements: Applied Linguistics Minor

The minor in Applied Linguistics requires a minimum of five courses and 20 credits as follows. (Please note: registration for graduate-level ESL courses requires special permission; use the Cross-School/Cross-Program registration form found at www.hamline.edu/registrar/forms.)

Core courses:

- ESL 6621 - TEFL Certificate Part I
- ESL 6622 - TEFL Certificate Part II
- ESL 7650 - Basics of Modern English

One linguistics course chosen from the following (one of these two linguistics courses must be taken prior to any of the ESL electives below):

- ENG 3190 - Introduction to Linguistics
- ESL 7519 - Linguistics for Language Teachers

Electives - at least four credits from the following list:

- MODL 1020 - Language and Society or ESL 7502 - Language in Society
- ANTH 3050 - Topics in Linguistic Anthropology
- ESL 7610 - History of English

- ESL 7660 - Second Language Acquisition
- ESL 8010 - Phonetics and Phonology
- ESL 8020 - Advanced Linguistic Analysis

Note: An undergraduate student pursuing an applied linguistics minor needs to satisfy at least one academic year of language study (or its equivalence as determined by the Modern Languages Department), unless the student will complete a major or minor in a foreign language as part of his or her undergraduate degree.

Communication Arts and Literature: Licensing for Secondary School Teaching (5-12)

Students must complete the teacher education courses for a Minnesota teaching license. Certification for teaching secondary school in Minnesota (5-12) also requires a major that meets the departmental requirements. The following courses must be taken for licensure and may be included in the English major. Note: A course may serve duplicate functions in both the major and the licensure requirements.

License Requirements:

One literature survey course in an earlier period:

- ENG 1210 - British Literatures to 1789
- ENG 1230 - American Literatures to 1860

One survey course in a later period:

- ENG 1220 - British Literatures after 1789
- ENG 1240 - American Literatures after 1860
- ENG 1250 - World Literatures
- ENG 1270 - African-American Literatures

Two "gateway" courses to be taken in sequence (required of all English majors):

- ENG 3010 - Textual Studies and Criticism
- ENG 3020 - Literary and Cultural Theory

Secondary licensure students must include the following courses among their 3000-level courses:

- ENG 3190 - Introduction to Linguistics
- ENG 3720 - Teaching Writing: Theory and Practice

Secondary licensure students are required to ensure that they have taken:

- One course at any level in which gender issues are a major part
- One course at any level in which race/ethnicity issues are a major part

Special Methods and Content Courses - In addition, the following courses outside the major are required for a secondary license:

- COMM 1100 - Introduction to Communication Studies
- COMM 1110 - Public Speaking
- COMM 3320 - Media in the Digital Age
- COMM 3380 - Small Group Communication

Environmental Studies Program

The goals of the environmental studies major are to examine holistically the interactions between humans and the environment from aesthetic, cultural, economic, moral, political, and scientific perspectives; and to emphasize skills and techniques needed to solve environmental problems in an interdisciplinary fashion.

The environmental studies major allows students to combine their interests in a traditional discipline with the broader training needed to address complex environmental issues. Individuals with environmental problem-solving abilities are needed in many facets of society, including science, politics, law, business, and public administration. Each environmental studies major will follow an individualized program of study that will include economic, scientific, political, and ethical components.

Students in the environmental studies program can take advantage of Hamline's location in the Twin Cities to pursue an increasing variety of internship and research opportunities.

Students interested in the Environmental Studies major should consult with the director as soon as possible. The director must approve your area of concentration and can help plan the best course of study for your interests.

Program director: K. Valentine Cadieux, anthropology department.

Major Requirements

Required Courses (3 courses):

- ESTD 1100 - Introduction to Environmental Studies
- BIOL 1130 - Biodiversity and Conservation Biology
- ESTD 5950 - Problem Solving in Environmental Studies

Disciplinary Concentration (6 courses):

- Each student must take six courses (three of which must be numbered 3000 or higher) in a single academic department or around a focused topic. This provides a depth of understanding in the particular field most closely allied to the student's interests. The director of environmental studies must approve the disciplinary concentration chosen by each student majoring in environmental studies.

Internship:

- Each student must complete an internship related to environmental studies. The internship is usually taken for academic credit and completed under the supervision of the environmental studies director. Guidelines for requirements for the internship are available from the environmental studies director.

Supporting Courses (5 courses):

- These courses are designed to complement the disciplinary concentration and to provide the student with a multidisciplinary perspective. We require one

course in each of the areas listed below. In certain circumstances, other courses may be used to fulfill these requirements upon approval by the director of environmental studies. Courses in the student's department of disciplinary concentration may not be used to fulfill these requirements, except for the quantitative methods requirement (which may be fulfilled within the department of disciplinary concentration).

Environment and Human Values

- PHIL 1140 - Ethics
- PHIL 3380 - Concepts of Nature

Quantitative Methods

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Economics and Public Policy

- ECON 1310 - Microeconomic Analysis
- ECON 1320 - Macroeconomic Analysis
- PSCI 3020 - International Political Economy
- PSCI 3700 - Public Policy and Public Administration

Physical Science

- CHEM 1100 - Chemistry and Society
- CHEM 1140 - General Chemistry II
- CHEM 1500 - Advanced General Chemistry
- PHYS 1110 - Energy, Environment, and the Economy
- PHYS 1160 - Algebra-based Physics II
- PHYS 1240 - General Physics II

Culture, Politics and Economy

- ANTH 3460 - From Development to Globalization
- ANTH 3480 - Cultural Ecology
- ECON 3720 - International Economic Development
- PSCI 3680 - Politics and Society in Developing Areas
- PSCI 3690 - Politics of Urban and Metropolitan America

Exercise Science Program

Exercise Science (also known as Exercise Physiology) is a popular field within the natural sciences with broad and diverse research questions, academic paths, and career options. For example, understanding the effects of inactivity on the health and wellness in people of all ages is becoming increasingly important, given the impact of inactivity, poor nutrition, and overweight/obesity on chronic disease risk and mortality. In addition, ways to improve athletic performance, optimize training adaptations and recovery from exercise, and reduce injury risk are important areas of human performance research. Exercise Scientists study these questions and apply what they learn to improve health, wellness, athletic performance, injury prevention, and injury recovery. They do so by becoming physical therapists, athletic trainers, exercise physiologists, biomechanists, professors, researchers, rehabilitation specialists, wellness specialists, and other specialties within the field.

Past and current research studies in Exercise Science at Hamline:

- The Effects of Yoga on Measures of Stress, Exhaustion, and Physiological Function in Healthy Elderly Individuals
- Development of an Isometric Leg Strength System for Measurement of Maximal Voluntary Contraction Strength in the Elderly
- Effects of Statins on Cardiorespiratory Fitness, Endurance, and Substrate Metabolism in Masters Swimmers
- Effects of Statins on Muscular Strength in Masters Swimmers
- The Effects of Statins on Functional Mobility and Flexibility in Healthy Masters Swimmers
- The Effects of Mixed Carbohydrates With and Without Protein on Time Trial Performance and Muscle Strength Recovery in Trained Cyclists

Contact: Lisa Ferguson-Stegall, PhD

Relevant links:

Hamline Exercise Science on Facebook -

<https://www.facebook.com/HamlineExerciseScience?ref=hl>

American College of Sports Medicine (ACSM) -

<http://www.acsm.org/>

Northland Regional Chapter of the ACSM -

www.northlandacsm.org

Exercise Science Major

The Exercise Science major is designed to prepare students for pursuing professional studies in Physical Therapy, graduate studies in Exercise Science/Exercise Physiology or Biomechanics, entry into Athletic Training, Cardiac Rehabilitation or related specialized Masters-level programs, or for successful careers in the health and wellness area. The program is in the Biology Department and is solidly based in

the natural sciences, thus meeting the prerequisites for most graduate or professional programs. Students interested in pursuing professional programs or graduate school should see the notes section after the course requirements below.

For students interested in Pre-Physical Therapy & other professional programs such as Cardiac Rehab, Occupational Therapy, Athletic Training, etc.: The course requirements for the major are designed to meet the basic requirements for admission to PT and other professional programs. However, it is crucial that you consult specific programs of interest to verify their specific requirements. Additional requirements can be fulfilled through non-major elective courses. Pre-PT students are strongly encouraged to take Calculus I and Medical Terminology, as these are required for many programs. Pre-PT majors are strongly encouraged to take General Psychology (PSY 1330), Abnormal Psychology (PSY 1480), and Lifespan Development (PSY 1440). Most programs require some combination of these courses. Check your specific program for details.

Pre-PT Internship requirements: Most programs require a minimum of 100 hrs of observation and experience in a variety of physical therapy settings. Therefore, an internship experience is essential.

For students interested in pursuing graduate school (Masters or PhD): It is a good idea to check your programs of interest to be sure that you are satisfying all their requirements for admission. The course requirements for the major are designed to meet the basic requirements for admission, but each program often has a prerequisite that may be different from the others. Also, research experience is usually a requirement.

Major Requirements

Biology - Two 4-credit courses:

- BIOL 1820 - Principles of Plant and Animal Physiology
- BIOL 3050 - Principles of Genetics

Anatomy and Physiology - Two 4-credit courses:

- BIOL 3200 - Human Anatomy and Physiology I
- BIOL 3250 - Human Anatomy and Physiology II

Exercise Physiology - One 4 credit course:

- EXSC 3510 - Exercise Physiology

Chemistry - One to two 4-credit courses:

- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

or

- CHEM 1500 - Advanced General Chemistry

Physics - Two 4-credit courses:

- PHYS 1150 - Algebra-based Physics I
- PHYS 1160 - Algebra-based Physics II

or

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II

Statistics - One 4-credit course:

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Internship/Research - One course (credits vary):

- EXSC 3990: Internship or
- EXSC 4010: Collaborative Research or
- EXSC 5010: Departmental Honors

Senior Seminar - One 4-credit course:

- EXSC 5950 - Senior Seminar (taken during senior year)

Electives - Four 4-credit courses chosen from the following:

- EXSC 3630 - Prevention and Management of Athletic Injuries
- EXSC 3980 - Special Topics: Nutrition for Health, Wellness, and Performance
- EXSC 3980 - Special Topics: Motor Control and Learning
- EXSC 3980 - Special Topics: Applied Biomechanics and Kinesiology
- EXSC 5630 - Advanced Techniques in Athletic Training and Sports Medicine
- EXSC 5510 - Advanced Exercise Physiology: Clinical Applications
- INDI 2220: Scientific/Medical Terminology (online through St. Kates)
- MATH 1170 - Calculus I

Global Studies Department

Hamline's Global studies program trains majors and minors to become not only global thinkers but also global citizens, attuned to the multifaceted interconnections that shape our world. Global Studies majors are able to examine the ways people are linked across the globe through technology, international and local organizations, transnational trade, cultural practices, and shared histories. Through a wide array of interdisciplinary courses to choose from, Global Studies is flexible in that it allows students to tailor the program to match their interests. While studying various global issues such as climate change, human rights, international relations, or economic development, students also learn to use a multidisciplinary lens to analyze how a global phenomenon is manifested on a local level and its effects on their own backyard. As such, students are expected to specialize in one geographic area and language of their choice. Majors conduct self-designed off-campus research projects culminating in substantive capstone papers for presentation on campus and at national conferences. Other co-curricular opportunities for students include working with department faculty on collaborative research, internships, participating in Hamline's Model United Nations program, and studying abroad. Post-graduation, our students have found fulfilling careers with government departments, non-profit and international organizations, UN agencies, corporations, law firms, academic institutions, and other employers who value their liberal arts skills and global expertise.

Faculty

Leila DeVriese, associate professor, chair. MA 1996, University of Toronto; PhD 2002, Concordia University, Montreal. Transnational social movements, activism, globalization, human rights and women's rights, international political economy, Middle East. She also teaches in the social justice and Middle East studies programs.

Kathryn Geurts, professor. BA 1984 Sarah Lawrence College; MA 1991, PhD 1998, University of Pennsylvania. Cultural/medical/psychological/sensorial anthropology; African studies and disability studies; health and human rights; theory of ethnography; feminist theory. She also teaches in the public health sciences and social justice programs.

Major Program

A student graduating with a global studies major will be able to:

- Analyze transnational/transcultural issues using field specific concepts
- Apply methodological approaches from more than a single discipline
- Formulate a global studies research question
- Work in a language other than his/her first language

- Communicate in depth knowledge of a region of the world or cultural group.
- Use technology as a resource for research and communication.

Majors can specialize in the following areas of concentration:

- Global Governance
- Global Economy and Development
- Global Environmental Sustainability
- Global Justice
- Global Cultural Flows

This can be done through their choice of Upper-Level Electives. Majors must work with their Global Studies advisor to determine which courses fall under each area of concentration.

Major Requirements and Expectations

Language

- Equivalence of at least four (4) semesters of a language other than the student's first language (with a certificate of proficiency where offered, highly recommended).

Foundational Courses

- GLOB 1910 - Introduction to Global Studies, *ideally taken in the spring of first year or fall of sophomore year.*
- GLOB 3020 - Interdisciplinary Research Methods, *prerequisite: GLOB 1910, declared major/minor in an interdisciplinary program, or consent of instructor.*

Regional/Cultural Concentration

- Three (3) courses focused on a specific global region or culture.

Disciplinary Breadth/Depth

- Students will be held accountable for Hamline Plan designations earned and brought into upper-level interdisciplinary courses; students are strongly encouraged to pursue at least a minor in a discipline (and a disciplinary major if they are considering graduate work).

Off-Campus Study

- An off-campus study experience is required.

Upper-Level Elective Courses

- Three (3) interdisciplinary, thematic, transnational courses from designated list of GLOB area of study offerings. These are normally taken in junior and senior years.

Capstone Seminar, one of the following--normally taken senior year:

- GLOB 5900 - Senior Research Seminar
- GLOB 5010 - Honors Project

Summary of Course Requirements for the Major

- Language (0-4 courses)--requirement can be met in whole or part at matriculation; can be met in part through off-campus study.
- Foundational courses (2 courses)

- Regional/Cultural Concentration (3 courses)-- requirement can be met in part through off-campus study
- Off-Campus Study
- Upper-Level Electives (3 courses)
- Capstone Seminar/Project (1 course)

Minor Requirements

The following are the course requirements for a minor in

Global Studies:

- GLOB 1910 - Introduction to Global Studies
- GLOB 3020 - Interdisciplinary Research Methods
- One (1) course focused on a specific global region or culture
- Two (2) interdisciplinary, thematic, transnational courses from designated list of GLOB area of study offerings
- Equivalence of at least two (2) semesters of a foreign language

History Department

History is a field of study which takes a disciplined approach to studying the past. The various sub-fields of history share a common emphasis on the intellectual skills and traditions of inquiry and analysis, comparison and synthesis. Drawing as it does upon the practices and concerns of a wide range of disciplines, a history major provides excellent preparation for graduate study in the humanities, social sciences, public policy, and the law, as well as for many careers in the private and public sector. The history major helps students develop critical thinking, master the close analysis of texts and context, learn how to evaluate and gather evidence, and frame coherent and persuasive arguments and explanations of individual and social actions and events in the world. Students' intellectual and leadership potential is promoted by encouraging them to develop the skills as well as the interest to engage the intellectual and moral issues of the past as well as of the present.

Resources for Nonmajors

All the department's course offerings are open to nonmajors.

Practicum Program

The department encourages its majors to learn through practical experience in various fields related to history by means of an off-campus internship. These may include working at the Minnesota Historical Society, one of the county historical societies, or a local museum. The internship is an experience designed by the student in conjunction with off-campus and faculty supervisors. See the department chair for details.

Honors Program

Each spring, outstanding juniors participate in the senior honors program. Students choose faculty members with whom they wish to work, prepare a major paper based on primary source materials, and present it to the department for consideration. Students then register for History 5010 for their honors thesis for the fall term in their senior year.

Postgraduate Opportunities

History graduates pursue careers in the liberal arts professions and public service from teaching to law, from community service to governmental agencies. The department works closely with the program in education for students seeking the licensure in social studies.

Faculty

Kate Bjork, professor. AB 1985, University of California-Berkeley; MA 1989, University of Chicago; PhD 1998, University of Chicago. Latin America, colonialism, slavery and emancipation, disease and the environment, social and comparative history.

Brian Horrigan, visiting assistant professor. BA 1972, University of Chicago; MA 1975, MPhil 1980, University of California-Berkeley; Exhibit Curator (Minnesota Historical Society). Public history.

John A. Mazis, professor. BA 1988, MA 1993, PhD 1998 University of Minnesota. Russia, Greece, modern Europe, imperialism, and diplomatic, political, and social history.

Susie Steinbach, professor. AB 1988, Harvard University; MA 1990, MPhil 1992, PhD 1996, Yale University. Britain and its empire, modern Europe, and social, cultural, and gender history.

Nurith Zmora, professor, chair. BA 1974, MA 1983, Hebrew University of Jerusalem; MA 1985, PhD 1990, Johns Hopkins University. United States; political and social history.

Major Program

The major is organized into introductory survey courses, a methodology course, topical upper-level courses, and a capstone experience, taken in sequence. History majors may also select other programs, certificates, minors, and/or second majors that reflect their personal and career interests.

Major Requirements

A major in history consists of a minimum of 11 courses:

- HIST 1000 - Introduction to History (Transfer students may be able to substitute another Hamline course where appropriate, and should consult with the department chair.)

Three 1000-level courses chosen from the following:

- HIST 1200 - Introduction to European History
- HIST 1300 - Introduction to United States History: 1607-1865
- HIST 1310 - Introduction to United States History: 1865-Present
- HIST 1400 - Introduction to Latin American History
- HIST 1430 - Historical Study Abroad
- HIST 1500 - Introduction to Asian History
- HIST 1600 - Introduction to Chinese History

Methodology course:

- HIST 3010 - Historical Methods

Topical Seminars - five history courses at the 3000-level from the following:

- HIST 3000 - Workshop in History
- HIST 3760 - Topics in the History of Imperialism
- HIST 3800 - Topics in Gender History
- HIST 3880 - Topics in the History of War
- HIST 3910 - Topics in Russian and Eastern European History
- HIST 3930 - Topics in United States History
- HIST 3940 - Topics in Latin American History
- HIST 3960 - Topics in Comparative History

Capstone experience chosen from the following:

- HIST 5950 - Seminar in History
- HIST 5010 - Departmental Honors Project - Outstanding students may choose to write a Departmental Honors Project rather than taking the Senior Seminar. These students apply to work with a faculty adviser (in the spring of the junior year), write a significant research paper based on primary source materials, and present it to the department for consideration. Note: students are given an Independent Study (HIST 5970) only when a Departmental Honors Project is converted mid-year.

Minor Requirements

A minor in history consists of a minimum of 6 courses:

- Three 1000-level courses
- HIST 3010 - Historical Methods
- Two additional 3000-level courses

International Journalism Program

The certificate in international journalism program enables students with advanced language skills and majors in global studies, area studies, modern languages, communication studies, history, anthropology, English, and other majors to supplement their programs with preparation in international journalism. The certificate program combines introductory courses in journalism and media studies with advanced seminars, internships, and a capstone media project where students can apply their international expertise to the study and practice of journalism.

Admission for Postbaccalaureate Students

Students must have earned a degree in an appropriate area of study from a regionally accredited institution of higher education and have a cumulative GPA of at least 3.0 from prior undergraduate coursework. Please contact the Office of Graduate Admission at 651-523-2900 for application materials.

Faculty

Verne A. "Van" Dusenbery, professor. AB 1973, Stanford University; AM 1975, PhD 1989, University of Chicago. Social theory, global/transnational/diaspora studies. He teaches in the anthropology department and the global studies program.

David Hudson, professor. BA 1979, MA 1987, PhD 1994, University of Minnesota. Early 20th century British and American literature, journalism, writing technology, and professional writing. He teaches in the English department.

Suda Ishida, professor, program director. BA 1988 Chiang Mai University, Thailand; MA 1996, Macquarie University, Australia; PhD 2002, University of Iowa. Mass media studies, history of American mass media, international communication, globalization and social movements, environmental journalism. She teaches in the communication studies department.

Coursework and Certificate Requirements

The certificate requires six interdisciplinary courses plus a semester of study abroad. The core courses are GLOB 1910, COMM 1320 (or COMM 3320), COMM 3420, ENG 3320, IJRN 5960, and IJRN 5970. These courses must be taken sequentially. Students must consult with the program director prior to registering for these courses.

Core courses:

- COMM 3420 - Media in Global Perspective
- ENG 3320 - Fundamentals of Journalism
- GLOB 1910 - Introduction to Global Studies
- IJRN 5960 - Internship Seminar in International Public Journalism
- IJRN 5970 - International Journalism Capstone Media Project

One chosen from:

- COMM 1320 - Introduction to Critical Media Studies
- COMM 3320 - Media in the Digital Age

Study Abroad Requirement

- Students also complete a semester of study abroad in some field of international area studies and journalism (including internship) at one of the approved programs. Bilateral exchange programs currently exist with Universitat Trier (Trier, Germany), Pontificia Universidad Catolica de Valparaiso (Valparaiso, Chile), and Université Gaston Berger (Saint-Louis, Senegal). Other placements are possible by arrangement.

Latin American Studies Program

The Latin American studies program introduces students to an interdisciplinary and intercultural study of the Hispanic world. The focus is on the contemporary importance of the Spanish- and Portuguese-speaking countries in the global community from a political, social, historical, and economic perspective. With pre-approval from the Program Director, courses at Hamline and the ACTC in areas such as political science, history, anthropology, global studies, Africana studies, and Spanish, as well as from study abroad, may be used for the major or minor.

Majors in Latin American studies go on to law school, graduate school, community and social work, and various levels of government service.

Program director: Andrea Bell, Spanish.

Major Requirements

- LSTD 5000 - Latin American Studies (must be taken at Hamline)
- LSTD 5100 - Contemporary Issues in the Americas (must be taken at Hamline)
- Intermediate level language competency in Spanish or Portuguese: four college courses or their equivalent
- Social sciences: three courses
- Literature and the arts: three courses

Supporting Courses - Supporting courses vary from year to year but might include:

- GLOB 3020 - Interdisciplinary Research Methods
- GLOB 3600 - Human Rights in a Globalized World
- GLOB 3700 - Social Media and Contentious Politics in the Global Age
- HIST 1400 - Introduction to Latin American History (topics: Pre-Columbian to Modern; Cuba and Puerto Rico)
- HIST 3940 - Topics in Latin American History
- SPAN 3600 - Hablemos de cine (taught in Spanish)
- SPAN 5300 - La cultura popular en America Latina (taught in Spanish)
- SPAN 5400 - Borderlands (taught in Spanish)
- SPAN 5810 - Modern Latin American Fiction (taught in Spanish)

Note: Students should consult with Latin American studies program directors to determine which courses count toward the major.

Minor Requirements

The minor in Latin American studies consists of five courses and a language requirement:

- LSTD 5000 - Latin American Studies
- LSTD 5100 - Contemporary Issues in the Americas

- A minimum of one year or the equivalent of college Spanish or Portuguese language study
- Three additional courses at Hamline, the ACTC, or through study abroad that stress Latin American issues and realities, with the prior consent of the Program Director

Legal Studies Department

The Legal Studies Department offers courses and programs for students interested in becoming lawyers and paralegals, or working in a law-related field. Hamline is a small university with a unique array of programs related to issues of justice, including our Center for Justice and Law, and a strong relationship with the Mitchell Hamline School of Law. In Legal Studies, students learn about the law in the context of Hamline's liberal arts tradition and long-standing commitment to community involvement aimed at developing excellent critical thinking and communication skills. Courses in the Legal Studies Department are taught by experienced legal studies professors who are themselves lawyers, together with lawyers who teach as adjunct faculty. Our students complete internships with law firms, government agencies, court systems, corporations, and non-profit organizations. In addition to the major, the Legal Studies Department offers an ABA-certified Paralegal Certificate Program and a nationally-recognized mock trial program.

The Legal Studies Department provides solid academic preparation and an enriched learning environment for students who wish to attend law school or pursue other graduate legal education. Additionally, the Hamline Plan provides a broad-based education, ensuring that pre-law students develop the reading, analyzing, writing, and speaking skills sought by law schools. Pre-law students can major in any field, and law-related classes and activities foster and develop the students' critical thinking and other important skills and their interest in law while they prepare for law school. After completing their baccalaureate degree, students who want to be lawyers will need to earn a law degree and pass the bar.

Program Objectives

Graduates and certificate recipients from Hamline University's Legal Studies Department will be able to:

- Produce reasoned legal analysis.
- Demonstrate writing and speaking skills necessary to communicate in professional and academic legal settings.
- Demonstrate mastery of legal citation.
- Demonstrate knowledge of technology relevant to the legal profession.
- Locate primary and secondary legal resources using print and electronic tools.
- Fulfill legal and general ethical obligations in academic and professional settings.
- Evaluate legal issues in diverse cultural contexts.

Academic Program Overview

The Legal Studies Department offers two majors, two certificate programs, two minors, and a double major in legal studies/women's studies with a paralegal certificate.

1. **Legal studies major.** The legal studies major is designed to be flexible. This major suits the needs and interests of pre-law students, paralegal students, and students majoring in other disciplines heavily regulated by the law such as criminal justice, business, environmental studies, political science, communications, management, and international studies. Hamline's undergraduate program has a broadly based liberal arts education in addition to the specific training in law and related professional skills.
2. **Law School Early Admission (3-3) Programs.** Highly motivated and talented students may complete their undergraduate degree and law school in just six years in collaboration with the Mitchell Hamline School of Law. The Legal Studies Department offers its own 3-3 program, the Legal Studies-Law School Early Admission (LGST-LSEA) Major. Students completing the LGST-LSEA Major complete a minor in another discipline. Law School Early Admission students may also choose to major in another discipline, but are required to complete the Law School Early Admissions Minor through the Legal Studies Department. Students interested in either 3-3 program should meet with an academic advisor in the relevant departments early in their undergraduate career to discuss.
3. **Double-major in legal studies and women's studies.** This interdisciplinary double major provides students with a unique program of study which allows them to explore intersections between the law and other areas such as gender, sexuality, race, class, and ability. This combination of learning experiences in two fields, as well as practical and theoretical tools, prepares students to make social change in the pursuit of creating a better world for everyone. Students develop competencies that will allow them to engage in a variety of opportunities in the law, public policy, non-profit work, human services, legislative initiatives, human rights, or social service. Through elective coursework, students can simultaneously complete a paralegal certificate; this pairing of practical legal training with a liberal arts program focused on cultural and political awareness is highly valued by employers. Students interested in pursuing the double major in legal studies and women's studies should consult www.hamline.edu/cla/lgst-wstd/
4. **The paralegal certificate program.** Hamline's American Bar Association-approved paralegal program is distinctive. Students may earn their paralegal certificate while majoring in any field at Hamline or enter the paralegal certificate program as a post-baccalaureate student after completing their undergraduate degree at Hamline or another four-year college or university. A paralegal certificate does not qualify the recipient for the practice of law; it prepares students to work in a law office or other law-related setting under the supervision of attorneys.

5. **The legal studies minor.** Students majoring in any discipline can minor in legal studies. This minor is appropriate for students majoring in fields that are impacted by law and legal regulation such as political science, communications, and business. A legal studies minor is also a good choice for students who are considering law school. The legal studies minor is not intended to prepare students to work as paralegals.

The legal studies programs do not qualify students to sit for the bar examination or to work as lawyers. Postgraduate study in an American Bar Association-approved law school after graduation from college is required to practice law.

Honors

Students considering participation in the departmental honors program should request detailed information from the program faculty no later than February of their junior year if graduation is expected in spring semester of their senior year. If a mid-year graduation is expected, the student should request information in September of their junior year. It is recommended that honors students have a GPA of 3.5 or better in the major, and honors projects must be approved by a majority of program faculty. Honors projects should exhibit distinctive scholarship, originality of thought, and a high degree of relevance to a major issue in the discipline. Please visit the legal studies department web site's information on department honors for detailed project guidelines. In addition to these legal studies department guidelines, there are University guidelines which also must be followed. The University guidelines can be found on the University Honors web page.

Internships

All legal studies majors and paralegal certificate students must complete an internship. Legal studies majors intern with lawyers, corporate law departments, non-profits, the courts, government agencies. Paralegal students may intern in many of the same environments but must perform paralegal work under the supervision of an attorney.

Student Activities

Hamline's Mock Trial Program is open to all Hamline students, not just Legal Studies majors. All mockers, whether registered for Beginning or Advanced Mock Trial or those participating in the activity, will learn more about the American legal system and trial advocacy, as well as have the ability to practice those skills in the classroom setting and at tournaments. Those who wish to compete in more tournaments will also be able to do so. This competitive track requires additional time commitments and the opportunity to participate in advanced tournaments both locally and across the nation. While all students will be able to compete at numerous tournaments, skill level and dedication are taken into consideration in determining which members of the team will travel.

Recent study abroad course offerings have taken students to Australia. Our students also compete in Mock Trial, participate in Center for Justice and Law activities, volunteer with the Minnesota Justice Foundation partner organizations, and participate in the Hamline University Law and Justice Society. There are teaching assistant and work study opportunities in the department as well.

Faculty

Stephen Arnott, associate professor, department chair, director of graduate legal education. BA (Hons) 1981, University of Tasmania; JD 1994, William Mitchell College of Law. Alternative dispute resolution, contracts, evidence, legal research and writing, family law, international law, legal interviewing, senior seminar. Professional Associations: American Bar Association, Minnesota State Bar Association, American Association for Paralegal Educators.

Leondra Hanson, associate professor, legal research and writing coordinator. BA 1995 Concordia College, JD 1999 University of Minnesota. Admitted to the bar in Minnesota 1999, Minnesota Federal District Court 1999 and Montana 2000. Legal systems in American society, legal research and writing, law in the lives of women, real property. Professional Associations: Minnesota State Bar Association, American Association for Paralegal Educators.

Meg Hobday, associate professor, administrative unit head, legal studies department chair, paralegal program director, pre-law advisor. BA 1992, University of Notre Dame; JD 1995 University of Minnesota. Legal research and writing, senior seminar, employment law, constitutional law, legal systems in American society. Professional Associations: Minnesota State Bar Association, American Association for Paralegal Educators.

Jeanne Kosieradzki, professor. BS 1986, Winona State University; JD 1991, William Mitchell College of Law. Legal ethics, civil litigation and trial practice, legal systems in American society, tort law. Professional Associations: Minnesota Association for Justice, Minnesota State Bar Association.

Directors

Judy Gunnarson, assistant director, paralegal certificate program. BS Business, University of Minnesota, 1986; Post-Baccalaureate Paralegal Certificate, Hamline University, 2011. Professional Associations: Minnesota Paralegal Association, American Association for Paralegal Education, Minnesota State Bar Association.

Kelly Rogers, mock trial director, BA 2008 Hamline University, JD Hamline University School of Law. Admitted to the Bar in South Dakota, 2011. Admitted to the Bar in Minnesota, 2012. Beginning Mock Trial, Advanced Mock Trial, Legal Systems in American Society.

Legal Studies Major Program

The Legal Studies Department offers the flexible Legal Studies Major for students interested in law. It is an optional major for pre-law students. Students also seeking their paralegal certificate may follow this major, but doing so does not guarantee a paralegal certificate. Paralegal certificate recipients may major in any subject. Students who are interested in the paralegal certificate should also refer to the Paralegal Certificate section of this bulletin.

Legal studies majors who intend to go on to law school are strongly encouraged to consider a second major or minor in the field of their choice. A Legal Studies Major is not required for law school admission. Students interested in law school should also strongly consider taking PHIL 1130 - Logic, as well as writing-intensive and formal reasoning courses beyond those required of the Hamline Plan.

Note: The Legal Studies Major does not qualify students to sit for the bar examination or to work as lawyers. Postgraduate study in an American Bar Association-approved law school after graduation from college is required to practice law.

Major Requirements

The Legal Studies Major consists of forty (40) credits as follows:

Five (5) required courses:

- LGST 1110 - Legal Systems in American Society
- LGST 1250 - Legal Research and Writing
- LGST 3770 - Law Office Technology
- LGST 5800 - Senior Seminar in Legal Studies
- LGST 5900 - Legal Studies Practicum

Twenty (20) credits of elective courses chosen from the following legal studies or interdisciplinary offerings:

- LGST 1440 - Beginning Mock Trial
- LGST 3100 - American Constitutional Law
- LGST 3420 - Special Topics in Law
- LGST 3440 - Advanced Mock Trial
- LGST 3520 - Civil Litigation and Trial Practice
- LGST 3530 - Wills, Trusts, and Estates
- LGST 3540 - Family and Gender Issues in Law
- LGST 3550 - Real Property
- LGST 3560 - Law of Business Organizations
- LGST 3670 - Legal Interviewing
- LGST 3680 - Law of Evidence for Legal Professionals
- LGST 3750 - Alternative Dispute Resolution
- LGST 3760 - Contracts
- LGST 3780 - Employment Law
- LGST 3790 - Law and the Lives of Women
- LGST 5600 - Tort Law
- ACCT 5020 - Business Taxation
- CJFS 3710 - Criminal Law and Practice
- CJFS 3720 - Constitutional Issues in Criminal Procedure
- HIST 3930 - Topics in United States History (topic: Landmark Trials in American History)

- MGMT 3130 - Business Law
- PHIL 1130 - Logic
- PHIL 3330 - Social, Political, and Legal Philosophy
- WSTD 3500 - Topics in Women's Studies (topic: Engendering Justice)

Legal Studies Minor

The Legal Studies Minor may be appropriate for students majoring or planning to work in fields that are heavily impacted by law or legal regulations. This minor is also a good choice for students who are considering law school. The Legal Studies Minor is not intended to prepare students to work as paralegals and is not approved by the American Bar Association.

Minor Requirements

The Legal Studies Minor consists of 24 credits as outlined below. Twelve (12) of the 24 credits must come from Legal Studies including the required courses LGST 1110 and LGST 1250. For transfer students, at least 16 of these 24 credits must be taken at Hamline.

Required courses:

- LGST 1110 - Legal Systems in American Society
- LGST 1250 - Legal Research and Writing

Additional Credits - Sixteen (16) additional credits of elective courses chosen from the legal studies courses listed in this bulletin or the following interdisciplinary offerings:

- ACCT 5020 - Business Taxation
- CJFS 3710 - Criminal Law and Practice
- CJFS 3720 - Constitutional Issues in Criminal Procedure
- HIST 3930 - Topics in United States History (topic: Landmark Trials in American History)
- MGMT 3130 - Business Law
- PHIL 3330 - Social, Political, and Legal Philosophy
- PHIL 1130 - Logic
- WSTD 3500 - Topics in Women's Studies (topic: Engendering Justice)

Law School Early Admission (3-3) Program

If law school is in your future, consider Hamline's 3-3 program, which allows highly talented and motivated students to complete their undergraduate degree and law degree in just six years.

The objectives of this special program are:

1. to provide exceptional, highly motivated undergraduates who demonstrate academic excellence, maturity, and professionalism with an opportunity to complete their bachelor's and law degrees in six, instead of the usual seven, years;
2. to integrate the liberal arts education with professional legal training; and
3. to provide a program that will develop legal professionals who are committed to defining and strengthening the moral

and ethical values of the legal profession through value-based education.

The Legal Studies Department offers its own 3-3 major program, the Legal Studies - Law School Early Admission Major which is paired with a minor outside of the Legal Studies Department. Students may also choose from a variety of majors paired with a Law School Early Admission Minor. Students seeking law school early admission through a department other than Legal Studies must complete the LSEA minor along with the program requirements of the department in which they major. A sample of the program majors which can be combined with the LSEA Minor are: business (general, BBA), communications studies, criminal justice, economics, English, finance, history, management, marketing, philosophy, psychology, political science, sociology, and women's studies. Please see the Law School Early Admission Minor section of this Bulletin for specific information.

Students interested in any 3-3 program should meet with an academic advisor in the Legal Studies Department early in their undergraduate career to discuss. Please also contact the chair of the department in which you would like to major for more information. If you decide partway through your studies that the 3-3 track is no longer right for you, then simply continue on with your studies and graduate in four years.

Participation in the 3-3 program does not guarantee law school admission; students must take the LSAT and apply to and be accepted to the Mitchell Hamline School of Law. Students who are not accepted into law school after three years can complete their undergraduate major and earn their bachelor's degree in the usual four years. They may, of course, reapply to law school upon completion of their undergraduate degree.

Once students enroll at the Mitchell Hamline School of Law, they are no longer eligible for financial aid as an undergraduate student, including the presidential fellowship. However, they are eligible to apply for financial aid and scholarships through the law school.

Following this major does not guarantee a paralegal certificate. In fact, it will likely be challenging for a student to earn the Paralegal Certificate and meet the Breadth of Study requirement under the Hamline Plan. Students interested in Hamline's ABA-approved Paralegal Certificate should refer to the Paralegal Certificate section of this bulletin.

Transfer Students:

Transfer students are eligible for the law school early admission (3-3) program. They must complete a minimum of sixteen (16) credits at Hamline toward their undergraduate major. In all other respects the LGST-LSEA program is identical for transfer students. Transfer students are encouraged to consult with a transfer advisor and a Legal Studies professor before beginning at Hamline.

Major Requirements: Law School Early Admission Option

Candidates for early admission to Mitchell Hamline School of Law through the LGST-LSEA Major must:

- Declare their candidacy by filling out a Declaration of Major form, select the LGST-LSEA Major, and meet with a Legal Studies faculty member as soon as possible.
- Contact the Mitchell Hamline School of Law Admissions Office to discuss the profile recommended for admission.
- Complete the five required legal studies courses and 20 credits of elective courses.*
- Select and complete a minor outside the Legal Studies Department by the end of their junior year. Students completing the Legal Studies/Women's double major (or other additional major) for the 3-3 program do not need a minor.
- Fulfill the Hamline plan requirements and complete 100 semester credits by the end of their junior year.
- Complete the Breadth of Study (76 credits outside of the Legal studies Department) by the end of their junior year.
- Apply to graduate by December of their junior year.
- Register for and complete the LSAT during their junior year. Materials and scholarship applications are available on line and at the law school.
- Apply for admission to the Mitchell Hamline School of Law by March of their junior year and with acceptance in the fall class.
- Complete and transfer back to the College of Liberal Arts 28 credits of first-year law school work with grades of C- or better to earn their bachelor's degree.

***Course Requirements:**

Five (5) required courses

- LGST 1110 - Legal Systems in American Society
- LGST 1250 - Legal Research and Writing
- LGST 3770 - Law Office Technology
- LGST 5800 - Senior Seminar in Legal Studies
- LGST 5900 - Legal Studies Practicum

Twenty (20) elective credits - Choose twenty (20) credits from the courses below. Note: To meet the 76 credit Breadth of Study requirement, 16 of the 20 elective credits must be taken outside of the Legal Studies Department.

- LGST 1440 - Beginning Mock Trial
- LGST 3100 - American Constitutional Law
- LGST 3420 - Special Topics in Law
- LGST 3440 - Advanced Mock Trial
- LGST 3520 - Civil Litigation and Trial Practice
- LGST 3530 - Wills, Trusts, and Estates
- LGST 3540 - Family and Gender Issues in Law
- LGST 3550 - Real Property
- LGST 3560 - Law of Business Organizations
- LGST 3670 - Legal Interviewing
- LGST 3680 - Law of Evidence for Legal Professionals
- LGST 3750 - Alternative Dispute Resolution

- LGST 3760 - Contracts
- LGST 3780 - Employment Law
- LGST 3790 - Law and the Lives of Women
- LGST 5600 - Tort Law
- ACCT 5020 - Business Taxation (please note the prerequisites for this course)
- CJFS 3710 - Criminal Law and Practice
- CJFS 3720 - Constitutional Issues in Criminal Procedure
- HIST 3930 - Topics in United States History (topic: Landmark Trials in American History)
- MGMT 3130 - Business Law
- PHIL 1130 - Logic
- PHIL 3330 - Social, Political, and Legal Philosophy
- WSTD 3500 - Topics in Women's Studies (topic: Engendering Justice)

Minor Requirements: Law School Early Admission (3-3) Program

Candidates for early admission to the Mitchell Hamline School of Law through the LSEA (3-3) track with a major other than Legal Studies must:

- Declare their candidacy by declaring the LSEA minor as early as possible.
- Contact the Mitchell Hamline School of Law Admissions Office to discuss the profile recommended for admission.
- Complete the four required LSEA minor courses by the end of their junior year, and complete required first-year contracts by the end of their first year in law school.*
- Fulfill the Hamline plan requirements, complete 100 semester credits, breadth of study requirements, and all major requirements by the end of their junior year.
- Apply to graduate by December of their junior year.
- Register for and complete the LSAT during their junior year. Materials and scholarship applications are available on line and at the law school.
- Apply for admission to the Mitchell Hamline School of Law by March of their junior year with acceptance in the fall class.
- Complete and transfer back to the College of Liberal Arts 28 credits of first-year law school work with grades of C- or better to earn their bachelor's degree.

Note: The LSEA (3-3) minor is not intended to prepare students to work as paralegals and is not approved by the American Bar Association.

*Course Requirements:

Early admissions candidates must complete these four minor classes by the end of their junior year:

- LGST 1110 - Legal Systems in American Society
- LGST 1250 - Legal Research and Writing
- LGST 5900 - Legal Studies Practicum
- PHIL 1130 - Logic

By the end of the first year at Mitchell Hamline School of Law:

- Required first-year contracts course

Paralegal Certificate

Paralegal education prepares the student to assist with substantive legal work under the supervision of an attorney or to work in a law-related setting such as in corporate compliance, contracts administration, and the court system. Hamline's Paralegal Certificate does not lead to licensure as an attorney or to the practice of law.

This program is open to undergraduate students in all majors and to post-baccalaureate students.

Certificate Requirements

Required courses

- LGST 1110 - Legal Systems in American Society
- LGST 1250 - Legal Research and Writing
- LGST 3520 - Civil Litigation and Trial Practice
- LGST 3770 - Law Office Technology
- LGST 5900 - Legal Studies Practicum

Legal specialty courses* - Eight (8) additional credits of from the following list of legal specialty courses:

- LGST 3420 - Special Topics in Law
- LGST 3530 - Wills, Trusts, and Estates
- LGST 3540 - Family and Gender Issues in Law
- LGST 3550 - Real Property
- LGST 3560 - Law of Business Organizations
- LGST 3670 - Legal Interviewing
- LGST 3680 - Law of Evidence for Legal Professionals
- LGST 3750 - Alternative Dispute Resolution
- LGST 3760 - Contracts
- LGST 3780 - Employment Law
- LGST 3790 - Law and the Lives of Women
- LGST 5600 - Tort Law
- CJFS 3710 - Criminal Law and Practice

Elective courses - Four (4) credits of additional coursework from all legal studies legal specialty courses listed above or the following interdisciplinary law-related courses:

- LGST 1440 - Beginning Mock Trial
- LGST 3100 - American Constitutional Law
- LGST 3440 - Advanced Mock Trial
- LGST 5800 - Senior Seminar in Legal Studies
- ACCT 5020 - Business Taxation
- CJFS 3720 - Constitutional Issues in Criminal Procedure
- HIST 3930 - Topics in United States History (topic: Landmark Trials in History)
- MGMT 3130 - Business Law
- PHIL 1130 - Logic
- PHIL 3330 - Social, Political, and Legal Philosophy
- WSTD 3500 - Topics in Women's Studies (topic: Engendering Justice)

*Hamline legal specialty courses are approved by the American Bar Association pursuant to its standards for courses offered in "accelerated format" by combining class time with outside of class learning experience.

In addition to the Hamline University Transfer of Credit Policies outlined in this bulletin, there are specific policies governing the transfer of legal specialty credits toward the paralegal certificate. The Legal Studies Department Chair must approve all credit transfers toward the paralegal certificate, except for those transferred from Inver Hills Community College (IHCC) and North Hennepin Community College (NHCC), ABA-approved programs with whom Hamline has articulation agreements. Students must complete at least 16 credits toward the paralegal certificate at Hamline, including the four-credit Practicum course (LGST 5900), which must be taken at Hamline. The other 12 credits taken at Hamline can be any combination of legal specialty and law-related courses, but students must complete at least 18 legal specialty credits total. Students may not transfer in more than 16 credits of legal specialty coursework.

Mathematics Department

"All is number," proclaimed the Pythagoreans of the 6th century B.C.E. In the 17th century Descartes dreamed of a world unified by mathematics and believed he had seen the future. Today mathematics permeates nearly every aspect of the world, appearing sometimes as a tool and other times as a theoretical science. Thus an appreciation of both the beauty and utility of mathematics is essential to a liberal arts education. The mathematics department facilitates growth in both areas by working with other departments to encourage students' development of skills needed for study in those departments, and by fostering an appreciation of mathematics for its own sake.

Students begin their study of mathematics at a level based on their interests and experience. For a well-prepared student intending a career requiring math, a typical beginning course of study is MATH 1170/1180: Calculus I and II, MATH 3320: Multivariable and Vector Calculus, and MATH 3550: Foundations of Mathematics. Students entering with a strong background in calculus may, upon consultation with the department, elect to omit MATH 1170 or MATH 1180. MATH 1130: Fundamental Concepts is for students who want exposure to mathematics but plan to take only one course.

In addition to the courses listed below, the mathematics department occasionally offers courses such as complex variables, number theory, topics in algebra or analysis, and others. Such offerings are dependent upon student need and interest. Students wishing to broaden their study of mathematics are encouraged to consider such courses on a group basis, or as an independent study. Presentations by faculty, students, or campus visitors are emphasized in the Junior/Senior Seminars. Teaching internships and departmental tutoring assignments are available to advanced students.

Faculty

Sayonita Ghosh Hajra, assistant professor. BSc 2003, Mathematics, University of Calcutta; MA 2009, Mathematics, University of Toledo; MA 2014, Mathematics Education, The University of Georgia; PhD, 2014 Mathematics, The University of Georgia.

Arthur Guetter, professor, chair. BA 1981, Macalester College; MA 1983, PhD 1987, Northwestern University. Major interests: boundary value problems, differential equations.

Ioannis Markos Roussos, professor. BS 1977, National and Kapodistrian University of Greece; MS 1982, PhD 1986, University of Minnesota. Major interests: differential-Riemannian geometry, differential equations, mathematics for computer use.

Frank Shaw, visiting assistant professor. BA 1976, Oberlin College; MSE 1983, Duke University; PhD 1992, University of California-Riverside. Major interests: statistics, quantitative genetics, programming.

Ken Takata, associate professor. PhD 2004, University of Illinois-Chicago. Major interests: discrete math and computer science.

Major Program

Mathematics students may choose to pursue a Bachelor of Science (BS) or a Bachelor of Arts (BA) degree in Mathematics.

Bachelor of Science: Mathematics Major Requirements

The BS major in mathematics consists of the following courses:

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- MATH 3320 - Multivariable and Vector Calculus
- MATH 3330 - Linear Algebra
- MATH 3550 - Foundations of Mathematics
- MATH 3890 - Algebra I
- MATH 3910 - Analysis I
- MATH 5890 - Algebra II
- MATH 5910 - Analysis II
- MATH 5920 - Junior Seminar (fall and spring term)
- MATH 5930 - Senior Seminar (fall and spring term)
- MATH 5950 - Topics in Advanced Mathematics

Two additional courses from the following:

- MATH courses numbered above 3000
- CSCI 1250 - Introduction to Computer Science
- CSCI 3150 - Data Structures

Bachelor of Arts: Mathematics Major Requirements

The BA major in mathematics consists of the following courses:

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- MATH 3320 - Multivariable and Vector Calculus
- MATH 3330 - Linear Algebra
- MATH 3550 - Foundations of Mathematics
- MATH 3890 - Algebra I
- MATH 3910 - Analysis I
- MATH 5920 - Junior Seminar (fall and spring term)
- MATH 5930 - Senior Seminar (fall and spring term)
- MATH 5950 - Topics in Advanced Mathematics

Two additional courses chosen from the following:

- MATH courses numbered above 3000
- CSCI 1250 - Introduction to Computer Science
- CSCI 3150 - Data Structures

Minor Requirements

The minor in mathematics consists of the following courses:

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- MATH 5920 - Junior Seminar (fall and spring term)
- MATH 5930 - Senior Seminar (fall and spring term)

Two courses chosen from the following:

- MATH 3330 - Linear Algebra
- MATH 3440 - Discrete Mathematics
- MATH 3550 - Foundations of Mathematics
- MATH 3560 - Modern Geometry
- MATH 3720 - Differential Equations
- MATH 5810 - Mathematical Statistics
- MATH 5890 - Algebra II
- MATH 5910 - Analysis II

Two additional courses chosen from the following:

- MATH courses from the list above
- other MATH courses numbered above 1180
- CSCI 1250 - Introduction to Computer Science
- CSCI 3150 - Data Structures

Mathematics: Licensing for Secondary School Teaching (5-12)

Mathematics majors pursuing a teaching license at the 5-12 level must complete the Bachelor of Arts program requirements with the additional requirement of MATH 3560: Modern Geometry. Students must also complete one additional course above MATH 3000 (not two as required for the BA program).

In addition, students must complete the teacher education courses required for a Minnesota teaching license.

Students with conflicts between Student Teaching and Senior Seminar should contact the chair of the mathematics department.

Middle East Studies Program

Given the Middle East's historic geostrategic position as a crossroads for states and empires, networks of trade and intellectual discourse, we define it beyond traditional geographic parameters, which tend to focus on the Arab world, North Africa, Iran and Turkey. The concentration approaches the study of the Middle East of the 21st century as a global phenomenon, one that has generated diasporic communities throughout the world as well as transnational Islamic and other religion-based movements. The Middle East is integral to the making of global socio-economic networks, political discourses and the histories of colonialism and empire. As an interdisciplinary program, Middle East Studies integrates diverse methodological approaches drawn from a variety of disciplines.

The Middle East Studies (MES) minor provides students with the skills necessary to understand the complex issues of the Middle East, and prepares them for careers in which a deep understanding of the region is essential. The Middle East Studies minor is designed to provide a broad knowledge of the region's culture, history, religion, politics, and society, and is complimented with the introductory study of any of its four major languages (namely, Arabic, Hebrew, Farsi, and Turkish).

Given its interdisciplinary nature, the minor draws from a variety of departments in the humanities and social sciences, including History, Fine Arts (Art History), Religion, Political Science, Global Studies, Economics and Modern Languages and Literature. The Middle East Studies minor is therefore particularly well suited for students preparing for graduate work or professional careers in the government, business and finance, or with international and non-governmental organizations.

Minors in Middle East Studies devise their own programs of study in consultation with their advisor. Students can choose as advisor an appropriate CLA faculty affiliated with Middle East Studies.

Affiliated Programs and Faculty

- Art History: Professor Aida Audeh
- Global Studies: Professor Leila DeVriese
- History: Professor John Mazis, Professor Nurith Zmora
- Languages and Literature: Professor Mira Reinberg
- Political Science: Professor Binnur Ozkececi-Taner
- Religion: Professor Mark Berkson, Professor Earl Schwartz

Minor Requirements

A minor in Middle East Studies consists of six courses, which emphasize a cross-section of knowledge in the Middle East. Courses must be taken in at least two departments; only one course at the 1000 level [from any given department] can be counted towards the minor.

- One (1) course in a major religious tradition (i.e., Christianity, Islam, Judaism)
- One (1) course on the modern history of the Middle East
- Two (2) intermediate (3000-level) courses in ME history, society, politics, art, religion or literature (to be approved by student's MES minor advisor)
- A minimum of one year, or two (2) courses, in one of the modern languages of the region (namely Arabic, Hebrew, Farsi, or Turkish).

These requirements can be fulfilled at Hamline, ACTC or other national or international programs (subject to prior approval by student's MES minor advisor).

Possible Middle East Studies Courses

This is not an exhaustive list and new electives are always being introduced. Students should check with the program director for additional offerings.

- GLOB 3600 - Human Rights in a Globalized World
- GLOB 3650 - Model United Nations
- GLOB 3700 - Social Media and Contentious Politics in the Global Age
- HIST 1200 - Introduction to European History (Topic: Islam in Europe)
- HIST 1980 - Topic: America in the Middle East
- HIST 3980 - Topic: The Middle East in the 20th Century
- MUS 3980/GLOB 3980 - Topic: Music of the Middle East
- PHIL 1980/3980 - Topic: Islamic Philosophy
- PSCI 3580 - Politics and Society in the Middle East
- PSCI 3980 - Topic: Regional and International Security
- REL 1200 - Survey of the Old Testament/ Hebrew Bible
- REL 1500 - Introduction to Judaism
- REL 1520 - The World of Jesus
- REL 1560 - Islam
- REL 3200 - Biblical Narrative: Old Testament/Hebrew Bible
- REL 3980 - Topic: Beginning Hebrew

Modern Languages and Literatures

Department

The department of Modern Languages and Literatures offers students the opportunity to develop a high degree of competence in a foreign language and to examine and understand values, beliefs, and practices different from their own through the study of language, literature, and culture. Students may study intensively German or Spanish, and, to a lesser degree, Chinese and French. The department actively encourages students to engage in collaborative scholarship with faculty members in the fields of language, literature, or culture. To facilitate the study of language in an interdisciplinary context, the department participates in international studies, Latin American studies, and international management and economics. The department also participates in the interdisciplinary minor in Linguistics offered at Hamline through the English department.

To provide students with a more direct experience in their chosen language, the department helps students choose appropriate study abroad programs and facilitates interaction with Foreign Language Teaching Assistants from France and other Francophone countries, Germany, Spain, and Latin America, as well as with native speakers from other countries.

In addition to the major, and the minor in German and Spanish, the department offers the "Certificate of Proficiency" in Spanish, German, and Chinese to students in those languages who wish to acquire communication skills and cultural awareness for basic professional purposes.

Language Placement Exam

The Modern Languages Department encourages all first year, transfer and returning students, to take the placement exam before registering for their first Hamline language class.

- The test takes 10-25 minutes on average.
- Test results are available on-line within a few minutes of taking the exam.
- The test results indicate clearly which appropriate level students should register for, including 1st (1110), 2nd (1120), 3rd (3210) and 4th (3220) semester language level. Scores higher than 4th semester should register for an Advanced Composition, Conversation or Reading course. See the Courses section of this *Bulletin* for course descriptions.

For more information and to access the test, visit www.hamline.edu/languageplacement.

Certificate of Proficiency

The Certificate of Proficiency recognizes that students have acquired basic communication skills in Chinese, German, and Spanish. Students who have begun their language study before coming to Hamline may enter the program at a level consistent with their ability.

Chinese: The certificate is awarded after taking CHIN 3600 and 3620 at Hamline and passing with a grade of B- or better.

German: The certificate is awarded after taking GERM 3900 and 3910 at Hamline and passing with a grade of B- or better in both.

Spanish: The certificate is awarded after taking GERM 3900 and 3910 at Hamline and passing with a grade of B- or better in both.

French Language Studies

Hamline offers students interested in French both beginning and intermediate classes. More advanced students seeking the minor or the major are encouraged to pursue opportunities for advanced study available to them through the ACTC.

French may be used to complement majors in such fields as anthropology, biology, communications studies, global studies, management and economics, and international relations. It may also prepare students for Study Abroad.

Students who score higher than the 4th level on the language placement exam would be advised to take advanced-level courses in French offered by the ACTC.

Undergraduate Research and Honors

Students interested in undergraduate research are urged to communicate their interest to a faculty member in their chosen language as soon as possible. Students wishing to be considered for honors in either German, or Spanish should request detailed information from the faculty no later than the fall or spring mid-term of their junior year. Both undergraduate research and honors projects offer students the opportunity to work closely with a faculty member, to formulate a question, to explore it in depth, and to write a significant paper. Students who successfully complete their Honors Project will be awarded honors at graduation, and their accomplishment will be recognized on their transcript.

Honorary Societies

Sigma Delta Pi. This is the Spanish National Honor Society founded at UC Berkeley. Qualifying students are nominated for memberships.

Postgraduate Opportunities

Students who study in the Modern Languages and Literatures department find that they have been helped to think analytically, to read carefully, to express themselves well in writing and orally, and to conduct themselves with sensitivity in interpersonal and multicultural settings. Language majors have entered careers in Journalism and Communications, in Business, in Social Welfare, in Education (at elementary, secondary, and university levels), in Nonprofit and Government agencies, international organizations, and in Law.

Students wishing advice on postgraduate opportunities or wishing to contact alumni in fields that interest them should consult with faculty members in the department, as well as the Career Development Center.

Faculty

Andrea Bell, Professor. BA 1982, Whitman College; MA 1984 and 1985, PhD 1991, Stanford University. Spanish, Peninsular and Latin American literature, culture and history; Latin American science fiction.

Shannon Cannella, Lecturer of Chinese Studies. BA 1991, University of Minnesota; MA and MPhil 1997, PhD 2014, Columbia University. Modern Chinese Language and Literature. Chinese Poetry and Poetics. Chinese Paintings.

Maria Jesus Leal, Associate professor, Department 's Chair. MA 1995, PhD 2007, University of Valladolid. Spanish Philology and Comparative Linguistics, Peninsular Literature and Culture.

Kari Richtsmeier, Assistant professor. BA 1992, Hamline University; MS 1995, PhD 2000, Georgetown University.

Major Programs

Students are encouraged to take MODL 1010: The Language Phenomenon, or 1020: Language and Society, and, in certain cases, 1030: Language as Literature, early in their careers. If possible, students should declare their major as sophomores. Such a time frame allows for adequate discussion with advisors, and appropriate course and study abroad planning.

Students without a specific career objective are encouraged to complement their language major with a second major and to discuss possible objectives with a member of the department. In the past, students have chosen to double major in such fields as anthropology, biology, communication studies, global studies, management and economics, mathematics, political science, and psychology. The LEAP program offers opportunities for internships and for exploring both work and community service. Those seeking teaching licensure are encouraged to discuss their career plans with a member of the department as soon as possible.

Major Requirements: German

A German major consists of nine courses as follows:

- GERM 3900 - Advanced German Conversation and Composition
- GERM 3910 - Professional German

One of the following:

- MODL 1010 - The Language Phenomenon
- MODL 1020 - Language and Society

Six additional courses in German

- Six additional German courses numbered above 3220 are required.

Notes:

- Courses taken abroad may be substituted for some of the eight required German courses.
- Courses in language study through the minimum level required for the major, GERM 3220, are counted toward breadth of study.

Major Requirements: Spanish

A Spanish major consists of 10 courses as follows:

- SPAN 3900 - Advanced Conversation and Composition
- SPAN 3910 - Spanish for the Professional

One of the following:

- MODL 1010 - The Language Phenomenon
- MODL 1020 - Language and Society

Seven additional courses in Spanish

- Seven additional courses in Spanish beyond SPAN 3220 (Intermediate Spanish II), including at least one literature course, are required.

Notes:

- Students must take Spanish 3350 (Advanced Communication in Spanish) and/or SPAN 3600 (Hablemos de Cine) before taking the advanced SPAN 3900 (Advanced Composition and Conversation) and SPAN 3910 (Spanish for the Professional) sequence.
- Courses in language study through the minimum level required for the major, SPAN 3220, are counted toward breadth of study.
- Some upper-division courses taught in English but focusing on the Spanish-speaking world may count. Please consult with Professor Leal or Professor Bell for course approval.
- Courses taken abroad may be substituted for some of the required Spanish courses.
- Undergraduate research is highly recommended.

Minor Programs

Minor Requirements: Chinese

Five courses in Chinese beyond CHIN 1120:

- CHIN 3110 - Intermediate Chinese I
- CHIN 3120 - Intermediate Chinese II
- CHIN 3600 - Advanced Intermediate Chinese I
- CHIN 3620 - Advanced Intermediate Chinese II
- One additional advanced course in Chinese or about Chinese culture and civilization, with the prior approval of the Chinese program director and the department chair.

Note: A maximum of one course may be taught in English (see, for example, relevant offerings in Hamline's Religion, Anthropology and East Asian Studies programs). Advanced Chinese language courses may be taken at the University of Minnesota, or students may participate in an approved study abroad program in China prior to the last year of attendance at Hamline (Senior year).

Minor Requirements: German

Five courses in German beyond 3220, to be selected from the following:

- GERM 3230 - Intermediate German Conversation
- GERM 3900 - Advanced German Conversation and Composition
- GERM 3910 - Professional German
- GERM 5500 - Issues in Translation
- GERM 5560 - Highlights of German Literature
- GERM 5600 - Student/Faculty Collaborative Research
- GERM 5680 - German Culture and Civilization

Note: Course work completed in German in GERM 5560, GERM 5680, GERM 5700, and GERM 5800.

Minor Requirements: Spanish

The Spanish minor consists of five courses:

- SPAN 3900 - Advanced Conversation and Composition
- SPAN 3910 - Spanish for the Professional
- Three additional courses in Spanish beyond SPAN 3220

Note: One upper-division course in taught in English but focusing on the Spanish-speaking world may count. Please consult with Professor Leal or Professor Bell for course approval. Courses taken abroad may be substituted for some of the required Spanish courses.

Licensing for K-12 Teaching

German:

German majors pursuing a K-12 teaching license must complete a standard German major as outlined above, however, they must take both MODL 1010 and 1020 for a total of ten (10) courses in the major. In addition, an assessment of advanced language proficiency and knowledge of German culture are required. Students must also complete the teacher education courses required for a Minnesota teaching license.

Spanish:

Spanish majors pursuing a K-12 teaching license must complete a standard Spanish major, however, they must take both MODL 1010 and 1020 for a total of eleven (11) courses in the major. In addition, an assessment of advanced language proficiency and knowledge of Spanish culture are required. Students must also complete the teacher education courses required for a Minnesota teaching license.

Music Department

Hamline's music department integrates the development of musicianship skills with historical and theoretical study. All students, regardless of major, are able to take music courses, lessons, and participate in ensembles. Ensembles include the A Cappella Choir, chamber music ensembles, Jazz Ensemble and jazz combos, Orchestra, University Chorale, and Wind Ensemble.

Sundin Music Hall, with its warm ambience and acoustics, is used for student recitals, rehearsals, and concerts. In addition, Sundin Hall is host to many professional ensembles and soloists of local and international renown. The hall has digital recording equipment, web-streaming capability, a Hamburg Steinway and a nine-foot Yamaha concert grand piano.

International study opportunities include full term and short term options. Recently music majors have attended full term study in England, France, the Netherlands and Italy. During the January short term our Music History Study Abroad courses take students to Europe to study on site.

Music majors have pursued graduate studies and successful careers in performance, teaching, film scoring, audio engineering, arts management and professional fields relating to music.

The department has been an accredited member of the National Association of Schools of Music (NASM) since 1961.

Faculty

George S.T. Chu, professor. BA 1969, Yale University; MM 1976, DM 1979, Indiana University. Theory, voice, director of A Cappella Choir. At Indiana University he studied with Julius Herford.

Janet E. Greene, associate professor, chair. BA 1978, Smith College; MM 1982 Manhattan School of Music; DMA 1996, Rutgers University. Clarinet, theory, chamber music, director of the Hamline Wind Ensemble.

Kathy Thomsen, professor. BA 1976, Hamline University; MM 1980, University of Michigan; DMA 2000, University of Minnesota. License in Dalcroze Eurhythmics 2003, Longy School of Music. Piano, accompanying, eurhythmics, director of University Chorale.

Yali You, professor. BA 1984, Shanghai Conservatory of Music; MM 1987, Performance Certificate 1988, Northwestern University; DMA 1996, University of Cincinnati. Cello, music history, chamber music, director of Hamline Orchestra.

Major Program

Students pursuing a Music Major select an emphasis in either performance or musical arts. Course requirements (see below) are specific for performance majors while the musical arts track allows for more flexibility with elective choices in theory

and history coursework. The performance emphasis requires the ability to develop significant repertoire and culminates in a senior recital; musical arts culminates in an interdisciplinary senior project. Students majoring in music develop career paths in performance, teaching, music therapy, film/video, recording arts, arts management, and a variety of entrepreneurial pursuits.

Major Requirements: Performance Emphasis

- Seven semesters of performance studies, 3000 and/or 5000 level
- Seven semesters of ensemble participation
- One 4-credit elective course in music
- One 4-credit music history elective (*see list below)
- Pass Piano proficiency exam or four semesters of piano
- MUS 3350 - Music History I
- MUS 3360 - Music History II
- MUS 3410 - Theory of Music I: The Language of Music
- MUS 3420 - Theory of Music II: Techniques of Analysis & Composition
- MUS 3430 - Theory of Music III: Chromatic Harmony
- MUS 5940 - Senior Recital

Major Requirements: Musical Arts Emphasis

- Six semesters of performance studies, 3000 and/or 5000 level
- Six semesters of ensemble participation
- Eight credits of music history courses at the 3000 level (*see list below)
- Eight credits of music theory courses at the 3000 level (**see list below)
- One 4-credit elective in music
- MUS 5930 - Senior Musical Arts Project

Note: The Senior Musical Arts Project is an interdisciplinary project. The student must complete three courses from another discipline that will connect to and support their interdisciplinary work. A proposal describing the project and identifying the three courses must be submitted to the music faculty by the end of junior year. (For example, a student interested in aesthetics may take three philosophy courses and complete a senior project on the aesthetics of music, or a student may take three mathematics courses and produce a senior project on the relationship between music and mathematics.)

***Music History Courses at the 3000-level:**

- MUS 3300 - Topics in Performance Literature
- MUS 3310 - Topics in Medieval and Renaissance Music
- MUS 3320 - Topics in Baroque Music
- MUS 3330 - Topics in Classical and Romantic Music
- MUS 3340 - Topics in Twentieth-Century Music
- MUS 3350 - Music History I
- MUS 3360 - Music History II
- MUS 3370 - Music History III

****Music Theory Courses at the 3000-level:**

- MUS 3410 - Theory of Music I: The Language of Music
- MUS 3420 - Theory of Music II: Techniques of Analysis & Composition
- MUS 3430 - Theory of Music III: Chromatic Harmony
- MUS 3710 - Composition-Popular Music
- MUS 3720 - Composition-Classical Music
- MUS 3730 - Composition-Jazz

Note: No more than 4 credits of Composition may be credited toward the Theory requirement for Musical Arts.

Minor Requirements

- Four semesters of performance studies at the 3000 level
- Four semesters of ensemble participation
- Three courses in music history or theory, no more than one 1000-level

Philosophy Department

Philosophy--the love of wisdom--is the critical examination of the most fundamental questions humans ask: What is the nature of reality? How should people treat one another? Why do we value what we value? What is knowledge and how do we know whether we have it? How do we decide between competing theories on such issues? These questions, and others like them, are basic to serious study in any field. While everyone has beliefs about these matters, the goal of philosophy is to help students improve their consideration of issues by examining the reasons they and others have for thinking as they do. By increasing the care with which they reconsider ideas, philosophy students deepen their understanding of themselves, others, and the questions and answers they formulate.

Philosophy is central to the education of students preparing for professions in which large questions are important. Philosophy students often are interested in law, medicine, theology, teaching, and writing. Approximately one-third of Hamline philosophy majors pursue graduate study in philosophy in preparation to teach at the college or university level and another third go on to law schools. Many philosophy students major in another field and take a philosophy major or minor to complement their study.

Opportunities for Nonmajors

Philosophy courses are designed for all students; only five courses in the department have prerequisites. Courses at the 1000-level offer basic elements of the liberal arts on a lecture/discussion format: general philosophy, logic, and ethics. Courses at the 3000-level explore philosophical issues in various disciplines on a seminar/discussion format: in three major historical periods: ancient, modern, and contemporary philosophy; in topical courses, philosophies of religion, art, science, law, society, and politics; and in seminars in philosophy on selected themes. In each case students from various disciplines examine concepts fundamental to their particular areas of interest.

The goals of all philosophy courses are the same: to enhance students' ability to think critically and systematically and to introduce students to the works of important philosophers and the fundamental questions of philosophy.

Honors

Upon recommendation of philosophy faculty during the junior year, senior philosophy majors are eligible to work toward departmental honors at graduation by successful completion and defense of a serious research/writing project in the form of a baccalaureate thesis.

Faculty

Gary Gabor, assistant professor. BA 2002, Boston College; MA 2005, PhD 2011, Fordham University. Ancient philosophy, logic, ethics.

Nancy J. Holland, professor. BA 1969, Stanford University; PhD 1981, University of California-Berkeley. Contemporary European philosophy, feminist theory.

Samuel Oluoch Imbo, professor. BA 1985, University of Nairobi; MA 1990, PhD 1995, Purdue University. Social and political philosophy, African and comparative philosophy.

Stephen H. Kellert, professor, chair. BA 1985, Yale University; MA 1989, PhD 1990, Northwestern University. Philosophy of science, epistemology.

Major Requirements

A philosophy major consists of a minimum of nine courses as follows:

- PHIL 1130 - Logic
- PHIL 1140 - Ethics
- PHIL 3150 - Ancient Greek Philosophy
- PHIL 3160 - Modern Philosophy: Descartes to Kant
- PHIL 5550 - Theories of Knowledge
- PHIL 5560 - Metaphysics
- PHIL 5750 - Senior Seminar
- At least two electives in philosophy

Note: It is recommended that the history sequence begin in the fall of the sophomore year.

Philosophy students are also encouraged to pursue a reading proficiency in a non-English language, competence in mathematics through college algebra, broad reading in literature, and careful study of a laboratory science.

Minor Requirements

A minor in philosophy consists of five philosophy courses, three of which are at or above the 3000-level.

Physical Education Department

The physical education department provides all Hamline University students with opportunities to develop the knowledge and skill necessary to be responsible for their own health and fitness throughout their lives. Coaching theory courses are available for all students. Also available are activity courses that emphasize both fitness and lifetime sports skills as well as a full complement of intramural activities. For those who wish to continue participation in athletics, there are extensive programs both in intramural and intercollegiate athletics.

Intercollegiate Athletics

Hamline supports 20 intercollegiate athletic teams for men and women. Certain team sports maintain a junior varsity schedule while the individual sports provide everyone an opportunity to compete. Sports offered for men are football, tennis, soccer, cross-country, basketball, track and field, swimming, baseball, and ice hockey. The sports offered for women are gymnastics, cross-country, volleyball, basketball, track and field, swimming, soccer, fastpitch, tennis, ice hockey, and lacrosse. Intercollegiate athletics at Hamline are an integral part of the academic program. While classroom activities take priority over athletic pursuits, students find time to excel in both areas.

Faculty

Alex Morawiecki, head men's soccer coach. BA 2006, Hamline University; MA 2009, Concordia University.

Jason Verdugo, athletic director. BA 1997, Arizona State University; MEd 2013, Northcentral University.

Theodore Zingman, director of compliance, head women's soccer coach. BA 2000, Johns Hopkins University.

Physics Department

To better understand the physical universe in both a qualitative and a quantitative way, physics attempts to describe, through physical and mathematical models, the fundamental properties of the world in which we live. The Physics Department offers courses for students interested in pursuing careers in engineering, physical modeling and simulation, science education, as well as more advanced work in experimental or theoretical physics or astrophysics. A strong emphasis is placed on laboratory-based instruction to allow students to experience the concepts presented in class rather than just hear about them.

A large percentage of our graduating seniors go on to pursue advanced degrees in physics, electrical engineering, civil or mechanical engineering, computer science, astrophysics, and aerospace or material sciences. Physics provides a framework of knowledge based on fundamental principles and problem-solving skills that opens up opportunities for joint study in a number of fields including chemistry, biomedical engineering, biological sciences, mathematics, psychology, music, and law. Students not specializing in physics will find a variety of courses that illuminate the relationships between physics and other fields presented in a manner that allows them to apply their knowledge directly to their lives.

Opportunities for Nonmajors

Physics courses for non-science majors: PHYS 1110, 1130, and 1140. These courses are intended for students planning to major outside the sciences and who have a background only in high school algebra.

General physics courses for both science and non-science majors: PHYS 1150, 1160. These courses are intended for biology and non-science majors who have the necessary prerequisite of high school algebra and elementary trigonometry.

Physics courses for physics majors, science, and non-science majors: PHYS 1230, 1240. These courses are intended for physics majors and all other students who have the necessary prerequisite/co-requisite of calculus (MATH 1170, 1180).

All seven courses carry Natural Science credit for the Hamline Plan and include a laboratory component.

Engineering

Students interested in engineering, applied physics, or working in industrial laboratories have two main options. They can major in physics, orienting their coursework appropriately in order to work in industry immediately after graduation; or, after completion of the physics major, they can do graduate work in physics or engineering and then work in industry in applied physics or in an engineering position. Contact the Physics Department for more information.

Undergraduate Research

All students are strongly encouraged to pursue an independent or honors research project as part of their education. Hamline has several special endowed funds that provide equipment and stipends for student-based research. These efforts can lead to undergraduate theses or publications, and provide a student with a unique experience to "do" physics at its most intensive (and satisfying) level.

Student Activities and Honor Societies

Hamline is the home to a chapter of the Society of Physics Students. This group sponsors outings and activities for physics majors as well as the entire campus. Membership in the society can provide lifelong contacts and opportunities within physics and engineering disciplines.

Faculty

Jerry L. Artz, professor. BS 1965, University of Cincinnati; MS 1966, Stanford University; PhD 1974, Florida State University. Research interests: nuclear physics and energy, energy policy, physics of the environment, radiation safety.

Bruce T. Bolon, associate professor, chair. BS 1991, Southwest Missouri State University; MS 1994, Iowa State University; PhD 2000, University of Missouri-Columbia. Research interests: magnetic properties of multilayered thin films, including determining the suitability of various materials for potential use in spintronic devices.

Lifeng Dong, associate professor, Emma K. and Carl R. N. Malmstrom Endowed Chair. BS 1993, MS 1996, Qingdao University of Science and Technology; MS 2002, PhD 2005, Portland State University.

Theodore W. Hodapp, professor. BS 1981, PhD 1988, University of Minnesota. Research interests: optical modeling, laser ablation, quantum optics, atomic physics, laser cooling of atoms, diode laser applications to spectroscopy.

Fred R. Kroeger, lab supervisor. BA 1969, Hamline University; PhD 1974, Iowa State University. Research interests: general electronics, instrumentation, instructional lab development.

Andy R. Rundquist, professor. BA 1993, St. John's University; MS 1995, PhD 1998, Washington State University. Research interests: ultrafast optical pulse generation, characterization, and optimization, next-generation particle accelerators, modeling.

Major Program

Physics students may choose to complete a Bachelor of Science (BS) or a Bachelor of Arts (BA) degree in Physics.

The physics curriculum emphasizes fundamental concepts, problem analysis and solving skills, and laboratory techniques. Physics majors possess a wide variety of interests and goals. To ensure that students are adequately prepared for a variety

of directions, the course offerings reflect a core set of content destined to give the student a basic understanding of contemporary experimental and theoretical physics concepts. Advanced courses explore these concepts further with a tighter focus on the problems and solutions particular to the area.

Most courses in a physics major have prerequisites. Students who are unsure of their direction within the sciences are strongly encouraged to begin in their first year with general physics so that choices remain open for further study within the time spent pursuing a bachelor's degree.

Bachelor of Science: Physics Major Requirements

This major is intended for students planning to proceed to graduate work in either physics or engineering. It focuses on both high-level physics courses and providing a breadth of science education. It is a total of 70 credits (19 courses).

Required physics courses (34 credits):

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II
- PHYS 3540 - Modern Physics
- PHYS 3600 - Mathematical and Computational Methods in Physics and Engineering
- PHYS 5900 - Junior Seminar (2 semesters)
- PHYS 5910 - Senior Seminar (2 semesters)
- PHYS 5920 - Research Project-Based Advanced Laboratory (2 semesters)
- PHYS 5930 - Theoretical Mechanics
- PHYS 5940 - Advanced Electromagnetic Field Theory
- PHYS 5950 - Advanced Quantum Mechanics

Courses outside physics (16 credits):

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- MATH 3320 - Multivariable and Vector Calculus
- MATH 3720 - Differential Equations

Advanced electives - choose three courses; one of which must have a lab (12 credits):

- PHYS 3520 - Physical Optics
- PHYS 3700 - Condensed Matter Physics
- PHYS 3750 - Thermodynamics and Statistical Mechanics
- PHYS 3800 - Electronics and Instrumentation
- PHYS 5955 - Advanced Topics in Physics

Science electives - choose two (8 credits):

- BIOL 1800 - Principles of Ecology and Evolution
- BIOL 1820 - Principles of Plant and Animal Physiology
- BIOL 3050 - Principles of Genetics
- BIOL 3060 - Principles of Cell Biology
- CHEM 1130 - General Chemistry I
- CHEM 1140 - General Chemistry II

Bachelor of Arts: Physics Major Requirements

This major is intended for students who wish to double major in other disciplines. It is also a major that can be done in three years for those who decide late. It is a total of 54 credits (15 courses).

Required physics courses (22 credits):

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II
- PHYS 3540 - Modern Physics
- or CHEM 3560: Physical Chemistry II
- PHYS 3600 - Mathematical and Computational Methods in Physics and Engineering
- PHYS 5900 - Junior Seminar (2 semesters)
- PHYS 5910 - Senior Seminar (2 semesters)
- PHYS 5920 - Research Project-Based Advanced Laboratory (2 semesters)

Courses outside physics (16 credits):

- MATH 1170 - Calculus I
- MATH 1180 - Calculus II
- MATH 3320 - Multivariable and Vector Calculus
- MATH 3720 - Differential Equations

Elective courses - choose four; one must be 5000-level (16 credits):

- PHYS 3520 - Physical Optics
- PHYS 3700 - Condensed Matter Physics
- PHYS 3750 - Thermodynamics and Statistical Mechanics or CHEM 3550 - Physical Chemistry I
- PHYS 3800 - Electronics and Instrumentation
- PHYS 5930 - Theoretical Mechanics
- PHYS 5940 - Advanced Electromagnetic Field Theory
- PHYS 5950 - Advanced Quantum Mechanics
- PHYS 5955 - Advanced Topics in Physics

Minor Requirements

A minor in physics consists of:

- PHYS 1230 - General Physics I
- PHYS 1240 - General Physics II
- PHYS 5900 - Junior Seminar or PHYS 5910 - Senior Seminar (two semesters total of junior/senior seminar are required)

One of the following:

- PHYS 3540 - Modern Physics
- CHEM 3560 - Physical Chemistry II

Two electives:

- Choose two other physics courses (not including PHYS 1130). One course must be 1600-level or higher.

Physics Licensing for Secondary School Teaching (9-12)

Physics majors pursuing a teaching license at the 9-12 level may complete either the BA or BS physics program requirements. In addition, students must complete the teacher education courses required for a Minnesota teaching license.

To extend this license to include teaching science in grades 5-8 requires the following six additional courses:

- BIOL 1800: Principles of Ecology and Evolution
- BIOL 1820: Principles of Plant and Animal Physiology
- CHEM 1130 and 1140: General Chemistry I & II
- PHYS 101: Astronomy (to be taken at Augsburg through ACTC)
- GEOL 150: Dynamic Earth and Global Change (to be taken at Macalester through ACTC).

Political Science Department

The Hamline University political science department aims to provide students with a comprehensive introduction to the subject matter, methods, and assumptions of political science. Our overriding goal is to help students understand the dynamic and changing political world in which they live and its ramifications for their lives. In the process, students also acquire improved analytic, speaking, and writing skills necessary for succeeding in a challenging sociopolitical and work environment.

Opportunities for Nonmajors

Nonmajors are welcome in all political science courses and are encouraged to use all of the department's resources, including political internships, independent studies, survey research data bases, and the particular expertise of each faculty member. Nonmajors may also apply to the Model United Nations program.

Honors and Special Programs

The political science department participates in all of the honors and special programs available to Hamline students. Especially of interest are the honors thesis program, independent studies in political topics, collaborative research projects, teaching apprenticeships, internships in the public sector, senior seminars, and a wide variety of off campus programs including the Washington semester, J-term study abroad, Model UN, and semester programs offered through HECUA. Political science students may also choose to pursue a certificate in international journalism, and if they qualify, they can participate in Hamline's 3-3 (early law school admission) program. Additionally, a small number of excellent students are selected each year to work as department assistants.

Postgraduate Opportunities

Political science graduates typically follow careers in public management, policy analysis, planning, international affairs, law, politics, or business. Hamline political science graduates include people who have become career diplomats, accomplished scholars, professors, high-ranking public employees, policy analysts, attorneys, elected officials, important political leaders, and professionals in a wide variety of other occupations. Similar opportunities are available today and in the future to able, well-trained political science graduates. The department periodically offers career panels, information sessions, and announcements about these possibilities.

Faculty

The political science faculty have wide-ranging experiences, achievements, and recognition within the political science profession. The faculty have studied and traveled widely in Europe, the Middle East, Asia, Latin America, and Africa. Top

professional recognition has come through books and articles published, teaching awards, and offices held in professional associations on a regional and national basis.

Alina Oxendine, associate professor, chair. BA, MA, Emory University; PhD, University of Minnesota, Twin Cities. Dr. Oxendine has published several scholarly articles on U.S. civic engagement, economic inequality and information technology. She is Administrative Head of three College of Liberal Arts departments (Communication Studies, Global Studies and Political Science) and chairs the political science department. Teaching Interests: American government and politics, political psychology, and research methods. Research interests: American public policy, community involvement, and economic inequality.

Binnur Ozkececi-Taner, associate professor. BA, Middle East Technical University, Ankara, Turkey; MA, University of Notre Dame; PhD, Maxwell School of Citizenship and Public Affairs, Syracuse University. Professor Ozkececi-Taner is the author of a book on Turkish foreign policy and several academic articles on international politics. Teaching interests: theories of international relations, political conflict, politics and security in the Middle East, regional and international security. Research interests: foreign policy analysis, Turkish foreign policy, international security, and politics of the Middle East.

Joseph G. Peschek, professor. BA, University of Washington; PhD, University of Massachusetts. Dr. Peschek is the author of several scholarly books and articles on American politics. Teaching interests: contemporary political ideologies, western political thought, parties and elections and presidential politics. Research interests: contemporary American politics, political economy, and contemporary democratic theory.

David Schultz, professor. BA, MA, Suny Binghamton Center; MA, Rutgers University; PhD, University of Minnesota; JD, University of Minnesota; LLM, University of London. Professor Schultz has published numerous academic books and articles and is a nationally recognized expert in law and politics, government, nonprofit, and business ethics, campaign finance reform, and land use and eminent domain policy. Professor Schultz has received three Senior Specialist Fulbright Awards, one national teaching award, and has represented the United States for the State Department in several speaking assignments in Europe.

Karen J. Vogel, professor. BA, Pitzer College, Claremont; MA, PhD, University of Oregon. Professor Vogel has presented numerous academic papers at conferences, facilitated faculty workshops at national Model United Nations meetings, and published articles. She has been honored with Hamline University's Burton and Ruth Grimes Teaching Award, the HUSC Faculty of the Year Award, and recognized twice by the American Political Science Association as an Outstanding Teacher. Professor Vogel has also been honored by the National Model UN and the

National Collegiate Conference Association for over twenty years of service to Model UN programs. Research interests: European integration, women and politics, international organizations, and transitions in Eastern Europe.

Zhenqing Zhang, assistant professor. BA, MA, Foreign Affairs College, Beijing, China; PhD, University of Minnesota, Twin Cities. Dr. Zhang also holds a graduate certificate from Johns Hopkins University – Nanjing University Center for Chinese and American Studies. Teaching interests: politics in the Asia Pacific, international political economy, international development, and democratization. Research interests: U.S-China trade relationship, international intellectual property rights (IPR) regime, and East Asia democratization.

Public Service Major Program

Hamline's political science major is grouped into two programs: the standard major and public service major. A major oriented toward public service is designed for students who wish to prepare for careers in public administration or management; government service at various levels; or city, urban, and regional planning. The public service major prepares the student for respected graduate programs of public administration, planning, or policy analysis.

Public Service Major Requirements

The public service major requires 10 courses as follows:

- PSCI 1110 - American Government and Politics
- PSCI 3540 - Political Research and Analysis
- PSCI 3690 - Politics of Urban and Metropolitan America
- PSCI 3700 - Public Policy and Public Administration
- PSCI 5100 - Senior Practicum

One course in Political Thought or Political Theory from the following:

- PSCI 3630 - American Political Thought
- PSCI 3640 - Contemporary Political Ideologies
- PSCI 3650 - Western Political Thought

One course chosen from

- LGST 1110 - Legal Systems in American Society
- LGST 3100 - American Constitutional Law

One course in statistics

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

One course in Comparative Politics/International Politics from the following:

- PSCI 1430 - World Politics
- PSCI 3020 - International Political Economy
- PSCI 3430 - Gender Politics
- PSCI 3550 - International Organizations
- PSCI 3570 - Ethnic and Civil Conflict
- PSCI 3580 - Politics and Society in the Middle East
- PSCI 3590 - Government and Politics of Western Europe and the European Union
- PSCI 3600 - Model United Nations

- PSCI 3610 - Politics and Society in the Asian Pacific Region
- PSCI 3680 - Politics and Society in Developing Areas
- PSCI 3710 - Political, Economic, and Social Development in China
- PSCI 3720 - Political Violence: War, Revolution, and Terrorism
- PSCI 3730 - Democracy, Authoritarianism, and Democratization

One other political science elective

Other courses recommended

Students are encouraged to undertake an internship or independent study. These, however, do not count as any of the 10 required courses. Other courses recommended, but not required are:

- ECON 3740 - Economics of Public Finance
- ECON 5820 - Econometrics
- MATH 1170 - Calculus I

Standard Major Program

Hamline's political science major is grouped into two programs: the standard major and the public service major. The standard political science major is appropriate for students who plan to enter law school or graduate school in the social sciences, those who anticipate civic participation in politics and public affairs, students interested in international careers, and those who intend to pursue other careers such as business and wish to acquire a deeper understanding of political processes and developments.

Standard Major Requirements

The standard political science major requires a minimum of 10 courses including:

- PSCI 1110 - American Government and Politics
- PSCI 1430 - World Politics
- PSCI 3540 - Political Research and Analysis

One course in Political Thought or Political Theory from the following:

- PSCI 3630 - American Political Thought
- PSCI 3640 - Contemporary Political Ideologies
- PSCI 3650 - Western Political Thought

One course chosen from

- PSCI 5000 - Senior Seminar
- PSCI 5100 - Senior Practicum

Two courses in Comparative Politics/International Politics from the following:

- PSCI 3020 - International Political Economy
- PSCI 3430 - Gender Politics
- PSCI 3550 - International Organizations
- PSCI 3570 - Ethnic and Civil Conflict
- PSCI 3580 - Politics and Society in the Middle East
- PSCI 3590 - Government and Politics of Western Europe and the European Union
- PSCI 3600 - Model United Nations

- PSCI 3610 - Politics and Society in the Asian Pacific Region
- PSCI 3680 - Politics and Society in Developing Areas
- PSCI 3710 - Political, Economic, and Social Development in China
- PSCI 3720 - Political Violence: War, Revolution, and Terrorism
- PSCI 3730 - Democracy, Authoritarianism, and Democratization

Three political science electives

Note: A course in elementary statistics is strongly recommended, but it is not counted as one of the 10 political science courses in the standard major.

Political Science Minor

A primary resource for the nonmajor is the political science minor. This program is designed for students with other majors who wish to have political science coursework either for their own intellectual interest, to enhance their job prospects, or to enhance their prospects for entrance into graduate school.

Minor Requirements

The political science minor consists of six courses.

- PSCI 1110 - American Government and Politics
- PSCI 1430 - World Politics

One of the following

- PSCI 3630 - American Political Thought
- PSCI 3640 - Contemporary Political Ideologies
- PSCI 3650 - Western Political Thought

Three political science electives

Psychology Department

Psychology is a wide-ranging discipline that involves the empirical study of mind and behavior. Contemporary psychological science is focused on basic and applied research in many areas, including physiological bases of behavior, cognition, emotion, development and personality, psychopathology and psychotherapy, social processes, psychology in the workplace, and clinical and health psychology.

The psychology major is basic to pre-professional training for a career in psychology, which requires graduate study leading to the MA, MS, PsyD, and PhD degrees. Professional careers in psychology include teaching and research in colleges and universities; counseling and clinical work in mental health settings, in schools, and in community settings; psychology-related work in hospitals and public health settings, in the military services, and in the justice system; and psychology-related work in industry, and in local, state and federal agencies of many kinds. Over the years Hamline psychology majors have obtained advanced degrees from many of the nation's leading graduate programs, and our majors have established successful careers as counseling and clinical psychologists, social psychologists, experimental psychologists, industrial/organizational psychologists, and developmental psychologists.

A student should confer with members of the department when planning a program for a career in psychology. The set of courses a student will take depends on his or her background and special interests. Related courses in other departments are usually taken from the social sciences and natural sciences, but supporting work in the humanities and fine arts is encouraged.

The student majoring in psychology who does not plan on a psychology-focused career receives an excellent liberal arts education and is qualified for diverse employment opportunities. Examples of such opportunities are teaching, personnel work in business and industry, industrial relations, merchandising and sales, advertising, and other community enterprises. Psychology majors have pursued careers in education, health and medicine, law, human resources, management, and government services.

Honors in Psychology

Each spring, outstanding juniors apply to complete an honors project in psychology. Students develop a proposal for an empirical study or literature review, and proposals are submitted to the psychology faculty for review and approval. Students whose proposals are accepted then complete the honors project during the senior year, and present their projects at the annual meetings of the Midwestern Psychological Association and the Minnesota Undergraduate Psychology Conference.

Awards and Prizes in Psychology

Donald Swanson Prize - The Swanson Prize is awarded to an outstanding junior in the psychology department.

Faith L. Murry Prize - The Faith L. Murray Prize is awarded to the outstanding senior in the psychology department.

Paterson Award - Since 1961, the Paterson Award has been given by the Minnesota Psychological Association to the outstanding graduating psychology major in the state of Minnesota. Students at all four-year institutions in Minnesota compete for the Paterson Award, and a Hamline psychology major has received it 19 times.

Faculty

Erik Asp, assistant professor. BA 2003, St. Olaf College; Ph.D. 2012, University of Iowa. Research interests/publications: Cognitive neuroscience, neural correlates of belief and doubt.

Dorothee Dietrich, professor. BA 1984 Humboldt State University; MS 1987, PhD 1990, University of Wisconsin-Madison. Research interests/publications: self-handicapping and other self-esteem related processes.

Serena M. King, associate professor. BA 1998, University of Michigan-Dearborn; MA 2001, PhD 2005, University of Minnesota. Research interests/publications: substance use disorders and antisocial personality traits.

Paula Y. Mullineaux, associate professor. BA 1998, Indiana University Southeast; MA 2003, Southern Illinois University; PhD 2006, Southern Illinois University. Research interests/publications: child development, parent-child interactions, and behavior genetics.

Matthew H. Olson, professor. AB 1973, University of California-Davis; PhD 1977, University of Michigan. 1991 Sanders Award for Outstanding Professor. Textbook author in learning theory and personality theory. Research interests: learning and decision making.

Robin Hornik Parritz, professor, chair. BA 1983, Brandeis University; PhD 1989, University of Minnesota. Research/clinical interests: psychology of emotion, developmental psychopathology. Textbook author of Disorders of Childhood: Development and Psychopathology.

Major Requirements

The major in psychology requires a minimum of 12 courses that must include:

General Psychology:

- PSY 1330 - General Psychology

One Statistics course chosen from the following:

- PSY 1340 - Statistics for the Behavioral Sciences (recommended)
- MATH 1200 - Applied Modeling and Statistics
- QMBE 1310 - Statistics

At least one of the following 1000-level courses:

- PSY 1440 - Lifespan Development
- PSY 1460 - Theories of Personality
- PSY 1480 - Abnormal Psychology

Five 3000-level courses - students must complete one course from each of the five categories below:

Methodology and Writing - Students should complete this requirement by the end of their junior year. Both courses are strongly recommended for students interested in graduate school and/or a career in psychology.

- PSY 3350 - Research Methods in Psychology
- PSY 3360 - Writing in Psychology

Domain A

- PSY 3420 - Cognitive Neuroscience
- PSY 3570 - Biopsychology
- PSY 3580 - Sensation and Perception
- PSY 3670 - Theories of Motivation

Domain B

- PSY 3410 - Theories of Learning
- PSY 3440 - Advanced Child Development
- PSY 3510 - Psychology of Emotion

Domain C

- PSY 3700 - Industrial/Organizational Psychology
- PSY 3800 - Social Psychology
- PSY 3820 - Cross-Cultural Psychology

Domain D

- PSY 3640 - Theories of Psychotherapy
- PSY 3740 - Disorders of Childhood
- PSY 3840 - Addictive Disorders
- PSY 3850 - Psychopathy and Antisocial Personality Disorder

One 5000-level course - Students must complete at least one 5000-level course from the list below. NOTE: Honors students in psychology must take a 5000-level course in addition to the Honors Seminar (PSY 5010).

- PSY 5420 - Belief in the Brain
- PSY 5440 - Childhood and Society
- PSY 5570 - Neuroendocrinology
- PSY 5600 - Aggression
- PSY 5700 - Clinical Psychology
- PSY 5720 - Applied Health Psychology
- PSY 5730 - Behavior Genetics

Three Electives - Students must complete three elective courses. These electives are chosen from the psychology courses listed above or from approved courses in other departments. A maximum of two courses from outside of the psychology department may be counted toward the major.

- PSY 3990 - Internship in Psychology (strongly recommended)
- PSY 5010 - Honors Seminar in Psychology
- EDU 1250 - Educational Psychology
- PHIL 3370 - Philosophy of Science
- Selected courses in Criminology and Criminal Justice (please see the Department Chair for approval)

Note: 5000-level courses are available to psychology majors who have attained senior status or have completed 7 courses in psychology including PSY 1330 and 1340; these courses may also have other prerequisites. Although registration priority is given to seniors who have not completed the 5000-level course requirement, qualified majors may enroll in more than one seminar on a space-available basis.

Minor Requirements

The department offers a minor in psychology that consists of 6 courses. Students must complete 2 of the 6 courses at Hamline:

- PSY 1330 - General Psychology or its equivalent
- Five Additional Courses - These additional courses must be taken within the department, at least two must be 3000-level.

PSY 1340 is recommended; either QMBE 1310 or MATH 1200 may substitute for PSY 1340 and receive credit for the minor. Educational Psychology (EDU 1250) may also count for the minor.

Public Health Sciences Program

The Public Health Sciences major at Hamline is an interdisciplinary field of study that permits students to focus on health issues in local, national, and international arenas from a variety of perspectives. The field of public health focuses on improving the health and wellness of populations, whereas the field of medicine aims to prevent, diagnose, and treat illness, one individual at a time. Thus, the field of public health is broad, with many sub-disciplines, discussed below. The Public Health Sciences major builds on connections between the liberal arts and the core concerns of public health, with the recognition that issues of human health are complex, influenced not only by human biology and statistics, but also by social structures, psychology, culture, and public policy.

The Public Health Sciences Major prepares students for jobs or advanced study in wide range of areas including health promotion, chronic disease prevention, infectious disease prevention and outbreak investigation, health promotion, health and wellness program development, health policy and advocacy, environmental and occupational health, epidemiology, food safety, behavioral and mental health sciences, community health, and international/global health.

Students planning to pursue graduate study in public health should check the admission requirements of the programs they are interested in applying to, and make sure they are completing all required prerequisite courses.

Students wishing to pursue a health professional degree (medicine, dentistry, pharmacy, nursing, physician assistant, chiropractic medicine, etc.) after graduation from Hamline will need to complete an additional series of required prerequisite courses before applying to one of these programs. These courses will need to be completed in addition to the Public Health Sciences Major courses. All students interested in admission to a health professional program should work closely with a Pre-Health Advisor to make sure they are completing the appropriate prerequisite courses.

Program Director: Lisa Ferguson-Stegall, PhD

Major Requirements

- HSCI 1100 - Introduction to Public Health
- HSCI 3100 - Epidemiology
- HSCI 3400 - Health Sciences Methods
- HSCI 5950 - Senior Seminar
- Introduction to Physiology

One course chosen from:

- BIOL 1120 - Biology of Human Function
- BIOL 1820 - Principles of Plant and Animal Physiology

Statistics - one course chosen from:

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences

- QMBE 1310 - Statistics

Internship/Research - Students must complete an internship or independent research project in the health sciences.

- HSCI 3990: Internship
- HSCI 4010: Collaborative Research
- HSCI 5010: Departmental Honors

Elective Courses - Five elective courses are required from the list below. At least three of the five elective courses must be at or above the 3000 level and at least one of those three must be at the 5000 level. Note that this list is not comprehensive, and many courses from several disciplines and departments may count as an elective, with the approval of the Program Director.

- ANTH 3530 - Culture, Illness, and Health
- ANTH 3580 - Cultural Psychology
- BIOL 1140 - Human Heredity and Disease
- BIOL 1150 - Biology of Women
- BIOL 3050 - Principles of Genetics
- BIOL 3060 - Principles of Cell Biology
- BIOL 3200 - Human Anatomy and Physiology I
- BIOL 5550 - Microbiology
- BIOL 5760 - Immunology
- BIOL 5870 - Genomics and Bioinformatics
- EXSC 3510 - Exercise Physiology
- HSCI 3020 - Global Health
- PSY 1440 - Lifespan Development
- PSY 1480 - Abnormal Psychology
- PSY 3440 - Advanced Child Development
- PSY 3570 - Biopsychology
- PSY 3740 - Disorders of Childhood
- PSY 3840 - Addictive Disorders
- PSY 5440 - Childhood and Society
- PSY 5570 - Neuroendocrinology
- PSY 5700 - Clinical Psychology
- PSY 5720 - Applied Health Psychology
- PSY 5730 - Behavior Genetics
- REL 3250 - Death and Dying
- SOC 3330 - Sociology of Gender
- SOC 3370 - Families in Crisis
- SOC 3700 - Medicine, Morality, and Mortality
- SOC 5330 - Sex and Sexuality: An American Perspective
- Other 3000- or 5000-level courses approved by the advisor.

Religion Department

Religion is a profoundly important subject of study that matters on many levels. First, one cannot understand the world without understanding religion. People throughout the world make sense of their lives, find meaning, and acquire values through religious traditions. Religion is one of the strongest motivators of human behavior, so one needs to have a background in religion to understand the forces that shape our world. A background in religion is necessary for an understanding of human behavior not just in the world today, but throughout history, for people have always been shaped and guided by understandings and traditions that we can call "religious." The power of religious ideas is such that they have produced some of the most extreme examples of good and evil in human history. Any force with this kind of power demands careful study and reflection.

Second, in order to understand the United States, one of the most religiously diverse nations on earth, one must understand religion. Religion has always played a vitally important role in the history of the United States, and numerous issues in contemporary politics, law and culture have a religious dimension. In or near Hamline's home city of St. Paul, MN, there are numerous mosques, Buddhist meditation centers, one of the largest Hindu temples in America, a Sikh gurdwara, widely diverse Jewish congregations, and Christian churches from a broad range of denominations. We need to understand other religious traditions (and our own) so that we can understand our nation and our neighbors.

The third reason to study religion is so that one can attain greater self-understanding. Religious traditions are the contexts in which the most important, fundamental questions of human existence are examined and struggled over. Religious traditions explore questions like, "What is ultimate reality?" "What is a self?" "How do we understand death?" They all lead to questions that every one of us must think about if we are to live the examined life that is distinctly human - "How should I live? What gives life meaning?" The study of religion gives us the opportunity to think through these profoundly important questions in the company of some of the greatest thinkers and texts from many different cultures and historical periods. The encounter with religious traditions should never simply be an armchair academic exercise. It should be an existential encounter, where we try to gain an imaginative insider's perspective of the religious traditions of the people with whom we share the world.

Who We Are and What We Stand For

Hamline's Department of Religion is made up of scholar-practitioners who seek to model the positive relation we see between the academic study of religion and the practice of it. We believe in bringing together an engaged, appreciative perspective and rigorous, critical inquiry to the study of our own and others' traditions. As members of a church-related

university, we strongly affirm the United Methodist emphasis on ecumenical openness to other faiths, and we embrace the global scope of the Hamline mission to prepare compassionate citizens of the world. We interpret our church affiliation as a charter of hospitality. The department welcomes students of different religions and students of no religion, inviting all to deepen their understanding of their own values and commitments and to investigate other faiths with respect for their particular wisdom and intrinsic worth.

Our Methodology

Religion is a fundamentally multidisciplinary field. In order to deeply understand any religious tradition or phenomenon, one must bring in many disciplinary perspectives. Most religion courses include perspectives from multiple disciplines within the liberal arts, at times drawing on philosophy, theology, history, anthropology, literature, sociology, politics, psychology, art history, music, and even subjects like economics and biology. Religion courses, therefore, are opportunities to reflect on the connections among various disciplines. For this reason, the department supports students who want to double major, which enables students to bring the perspectives and methods of each major to bear on the issues and questions of the other.

At the same time as we take a multidisciplinary approach, our department is located in the tradition of the Humanities, which means that our courses promote a deep engagement with texts (from ancient scriptures to contemporary literature). We aim to cultivate in our students skills in textual interpretation, critical thinking, and written and oral communication across a range of genres. While drawing heavily on the social sciences, our department ultimately emphasizes the humanistic approach of 1) focusing on the way religious individuals and communities have understood themselves, their traditions, and their world; 2) using interpretive methods, imagination, and empathy to gain, as far as possible, an insider's perspective of religious traditions; and 3) reflecting deeply on issues of meaning and value.

Faculty

Mark A. Berkson, professor, chair. BA 1987, Princeton University; MA 1992, PhD 2000, Stanford University.

Julie Neraas, associate professor. B.A. 1976, Whitworth College; M.Div. 1979, Princeton Theological Seminary; Certificate in Spiritual Direction, 1988, The Shalem Institute; Certificate in Organizational Leadership, 1991, University of Minnesota.

Earl Schwartz, assistant professor. BA 1975, BS 1977, University of Minnesota.

Deanna Thompson, professor. BA 1989, St. Olaf College; MAR 1992, Yale University Divinity School; PhD 1998, Vanderbilt University.

Major Requirements

- REL 1100 - Introduction to Religion
- REL 5750 - Senior Seminar

Four credits of junior and/or senior colloquium

- REL 3900 - Colloquium I
- REL 5900 - Colloquium II

Six courses in the chosen track - Students must take at least six courses in their chosen track, at least two must be at the 3000-level.

Track: Jewish Studies

- REL 1200 - Survey of the Old Testament/ Hebrew Bible
- REL 1500 - Introduction to Judaism

At least one of the following:

- REL 1510 - Jewish Ethics
- REL 1520 - The World of Jesus
- REL 1980 - Special Topics: Hebrew

At least two of the following:

- REL 3150 - Religion and Literature (Jewish Stories of Wonder)
- REL 3200 - Biblical Narrative: Old Testament/Hebrew Bible
- REL 3210 - Biblical Poetry: Old Testament/Hebrew Bible
- REL 3330 - Religious Thinkers Who Changed the World (when it has a Jewish thinker, e.g. Heschel)
- REL 3370 - Prophets and Mystics

At least one course in a non-biblical tradition

Track: Christian Studies

- REL 1220 - The New Testament
- REL 1300 - Introduction to Theology

At least one of the following:

- REL 1200 - Survey of the Old Testament/ Hebrew Bible
- REL 1400 - Christian Ethics
- REL 1520 - The World of Jesus

At least two of the following:

- REL 3160 - Spiritual Memoir
- REL 3300 - Reformers and Revolutionaries in the Ancient and Medieval World
- REL 3310 - Reformers and Revolutionaries in the Modern World
- REL 3330 - Religious Thinkers Who Changed the World (when it has a Christian thinker, e.g. Luther)
- REL 3350 - Contemporary African-American Religious Thought
- REL 3370 - Prophets and Mystics
- REL 3390 - Christianity in an Age of Religious Diversity
- REL 3400 - Contemporary Issues in Christian Ethics
- REL 3430 - Feminist/Womanist Theologies

At least one course in a non-biblical tradition

Track: Asian Religions

- REL 1560 - Islam
- REL 1620 - Religions of East Asia
- REL 1630 - Religions of South Asia

At least two of the following:

- REL 3150 - Religion and Literature (Pilgrimage Stories)
- REL 3170 - Poetry and the Sacred
- REL 3250 - Death and Dying
- REL 3630 - Seminar in Buddhism
- REL 3980 - Special Topics: Eastern/Western Conceptions of the Self

At least one course in Judaism or Christianity

Track: Comparative Religion

At least two 1000-level courses in Judaism or Christianity

At least two courses in Asian religions and/or Islam (one must be in a non-Abrahamic tradition)

At least two of the following:

- REL 3150 - Religion and Literature (Pilgrimage Stories)
- REL 3160 - Spiritual Memoir
- REL 3170 - Poetry and the Sacred
- REL 3250 - Death and Dying
- REL 3370 - Prophets and Mystics
- REL 3390 - Christianity in an Age of Religious Diversity
- REL 3980 - Special Topics: Eastern/Western Conceptions of the Self

Minor Requirements

Students minoring in religion shall take a minimum of five courses, at least two of which must be at the 3000 level. All courses will be 4 credits unless otherwise approved by the department chair.

Social Justice Program

The social justice major is an interdisciplinary field of study that permits students to focus on social justice issues in local, national, and international arenas so that they may become more informed citizens and community leaders, able to participate effectively in the discussion of social justice concerns and community responses to these concerns. In addition, the major is one avenue at Hamline to prepare for professional work in social justice related occupations--i.e., legislative advocacy, government service, human services occupations, human rights and peace organization work, education, community organizing, and law. The required courses examine the value conflicts that drive social justice efforts, the history of social justice movements, and some current social justice issues. The breadth and concentration requirements are intended to ensure that students will be familiar with a variety of disciplinary approaches and practical skills with which to analyze social justice issues, along with an in-depth focus on a particular topic for which social justice concerns are key.

Students wishing to earn either the major or the minor must make application to the program director, preferably during their first or sophomore year.

Admission to the program will be based upon the student's statement of purpose, describing the student's proposed course of study and relation to his or her major. In order to assure appropriate course selection, students must meet with the program director/advisor to identify courses for the program that complement the student's major course of study.

Program director: Valerie Chepp, sociology department.

Major Requirements

A student majoring in social justice must take twelve (12) courses using the guidelines below, and with the approval of the director of the program. An internship or work experience in the field is highly recommended. Students must take the two (2) required courses, meet the breadth requirement, and meet the concentration requirement to graduate with the social justice major.

Required Courses

- SOCJ 1100 - Introduction to Issues in Social Justice
- SOCJ 5900 - Social Justice Capstone

Breadth Courses - Students must elect at least one (1) course from each of the following five areas. A minimum of two (2) of these courses must be at the 3000 level or above. Courses that fulfill this requirement are designated by departments in the relevant areas:

1. One course in politics or legal studies from the following:
 - CJFS 3720 - Constitutional Issues in Criminal Procedure
 - LGST 1110 - Legal Systems in American Society

- LGST 3100 - American Constitutional Law
 - PSCI 3430 - Gender Politics
2. One course in social, cultural, economic, or psychological analysis of social justice issues:
- ANTH 3460 - From Development to Globalization
 - CFST 3300 - The Role of Conflict in Social Change
 - EDU 3500 - Diversity and Education
 - CJFS 3750 - Theories of Criminal Behavior
 - SOCJ 3200 - Sexuality and the Law
3. One course in history with a social justice focus (see advisor for approval of history topics courses). Recent offerings include:
- HIST 3960 - Topics in Comparative History (*topics: Disease & Society in International Perspective, International Human Rights Law, History of Slavery and Emancipation*)
 - SOCJ 1150 - Living on the Edge: The Asian American Experience
4. One course that offers a broad perspective on moral, ethical, or values concerns. These concerns shape the quest for social justice from philosophy, religion, or selected literature courses. Other relevant courses may be taken with permission from the program director.
- ANTH 3570 - Religion, Culture, and the State
 - ENG 1270 - African-American Literatures
 - PHIL 1140 - Ethics
 - PHIL 3190 - Nineteenth-Century Philosophy
 - PHIL 3250 - Feminist Philosophy
 - PHIL 3360 - Philosophy of Nonviolence
 - REL 1400 - Christian Ethics
 - REL 1510 - Jewish Ethics
 - REL 3300 - Reformers and Revolutionaries in the Ancient and Medieval World
 - Other relevant courses may also be available with permission from the program director/advisor.
5. One practical skills course. One course that provides students with practical skills to permit them to be effective in advancing social justice concerns, e.g., communication theory, legal research, advocacy, writing courses, from the following:
- COMM 1650 - Argumentation and Advocacy
 - COMM 3360 - Interpersonal Communication
 - COMM 3380 - Small Group Communication
 - COMM 3390 - Organizational Communication
 - LGST 1250 - Legal Research and Writing

Concentration Options - Students must elect an area for concentrated study, consisting of at least five (5) courses. A minimum of four (4) of these courses must be at the 3000 level or above. This selected concentration area may be:

- A concentration in an existing discipline or interdisciplinary program, such as philosophy, religion, political science, law, economics, women's studies, etc.
- A concentration focusing on a particular geographical area, such as Latin America, the United States, Asia, Africa, etc. In some cases, the global studies major will be

a better alternative for students interested in area studies or human rights.

- A concentration designed in cooperation with the faculty advisor that focuses on a student's particular area of interest, which may include elements drawn from existing departments and programs, but may also include coursework that is not offered by those departments or programs. An internship, if done for academic credit, may also be included.

Minor Requirements

The objective of the social justice minor is to permit students majoring in other fields the opportunity to develop an integrated basis for analysis of social justice issues. The minor in social justice consists of a minimum of six (6) courses, at least three of which must be 3000 level or higher-level courses. Minors are required to take:

The social justice foundations course:

- SOCJ 1100 - Introduction to Issues in Social Justice

Five additional breadth courses:

- Students must select one course from each of the five breadth areas listed in the major. An internship may be substituted for one breadth area.

Social Studies Program

The social studies major provides an interdisciplinary approach to the study of people and their institutions. The ultimate goal of social studies is citizenship education and the development of civic competence. Drawing on Hamline's strong social science departments, this major is designed to engage the student in the content, concepts, skills and methodologies of each discipline, that is, the structure of the disciplines. The scope and sequence of the major across these four dimensions follows and generally exceeds guidelines established by the National Council for the Social Studies (NCSS), the major research and policy development association in this licensure area.

Two groups of students are likely to major in social studies: 1) those seeking secondary (grades 5-12) licensure as future social studies teachers, and 2) liberal arts students who want a cross-disciplinary major in the social sciences.

For licensure purposes, this major must comply with licensure standards (Standards of Effective Practice for Beginning Teachers or SEPBT) and content standards developed by the Minnesota Board of Teaching (patterned after the NCSS standards).

Over time, these licensure standards and rules can change based on new initiatives by the Board of Teaching, the Minnesota Department of Education, and the Minnesota State Legislature. In addition, our national accreditation body, the National Council for the Accreditation of Teacher Education (NCATE), can affect the content and structure of the major. Therefore, it is important that interested students be in close touch with the program director for advising purposes.

Program director: Kim Koeppen, School of Education.

Postgraduate Opportunities

The majority of graduates with social studies majors enter teaching or closely allied fields. Many of these earn advanced degrees in social studies or related educational areas such as school administration or special education. In addition, the disciplinary concentration can provide a foundation for graduate study in that discipline. The degree can also serve as a basis for professional study in law and public administration. Those not entering the teaching field often find employment opportunities in social service or government agencies.

Major Requirements

The social studies major totals 13-15 courses as follows:

- ANTH 1160 - Introduction to Anthropology
- PSCI 1110 - American Government and Politics
- PSY 1330 - General Psychology
- SOC 1110 - Introduction to Sociological Thinking

Both of the following Management & Economics courses:

- ECON 1310 - Microeconomic Analysis
- ECON 1320 - Macroeconomic Analysis

One Geography course:

- One Geography course offered through the ACTC exchange from the following: Human Geography (GEOG 111 at Macalester, GEOG 111 at St. Thomas, GEOG 2000 at St. Catherine); or World Geography (GEOG 113 at St. Thomas). If possible, an additional geography course is also highly recommended for future teachers.

Three History courses to include:

- HIST 1310: Introduction to U.S. History: 1865-Present
- One non-Western history course
- One course at the level of HIST 3011 or above

A disciplinary concentration of six courses from one of the departments listed above. At least one of the six courses must be at the 5000 level and at least one must be at the 3000 level. This concentration must also include the methodology course in the discipline from among the options below. (Note: Students seeking a concentration in Geography should confer with the Social Studies program director.)

Methodology courses:

- ANTH 5260 - Anthropological Thought and Theory
- HIST 3000 - Workshop in History or HIST 3010 - Historical Methods
- PSCI 3540 - Political Research and Analysis
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics (for economics concentration)
- SOC 3930 - Social Research Methods

Social Studies: Licensing for Secondary School Teaching (5-12)

Social Studies majors pursuing a teaching license at the 5-12 level must also complete the teacher education courses required for a Minnesota teaching license.

Sociology Department

Sociology is the scientific study of human society and social behavior. The sociological perspective invites students to look at their familiar surroundings as though for the first time. It allows students to get a fresh view of a world they have always taken for granted, to examine their world with the same curiosity and fascination that they might bring to an exotic, alien culture.

Sociology also gives students a window on the wider world that lies beyond their immediate experience, leading them into areas of society that they might otherwise have ignored or misunderstood, into the worlds of the rich and powerful, the poor and weak, the worlds of cult members, the elderly, and juvenile delinquents. Because these people have different social experiences, they have quite different definitions of social reality. Sociology enables students to appreciate viewpoints other than their own, to understand how these viewpoints came into being and, in the process, to better understand their own lives.

Understanding the structure and process of society is necessary before ineffective, unjust, or harmful social arrangements can be changed. Good social policy and the eradication of social problems are not possible without an understanding of what caused the problem, the barriers that stand in the way of a solution, and the problems a particular solution might in turn create.

The sociology department encourages its majors to both understand society and to act upon that knowledge to improve themselves and their society. Students are taught how to ask significant questions about the world around them, how to design and implement sociological research, and how to examine the ethical implications of their research.

Opportunities for Nonmajors

All upper-level courses require completion of SOC 1200 - Sociological Practice and SOC 1110 - Introduction to Sociological Thinking. Courses that may appeal to nonmajors include: SOC 3600 - Consuming Societies, SOC 3350 - Racial and Cultural Minorities, and SOC 3530 - Political Sociology. Many interdisciplinary majors require or strongly recommend specific sociology courses; for example, Global Studies - Consuming Societies.

Honors

Hamline has a chapter of Alpha Kappa Delta, an international sociology honor society. The Betty Green Award is given annually to an outstanding sociology major, and sociology majors are eligible to apply for the Amy Russell Award and Carol Young Anderson Scholarship for deserving social science majors.

Community Internships

All students complete an internship in Senior Seminar choosing from a large variety of community organizations and social agencies operating in the Twin Cities. They work 10-12 hours per week at their internship site and study the latest issues in the field. This experience allows students to test their understanding of sociology by applying it to the world around them.

While the internship program is not designed to find employment for students after graduation, many do find job opportunities with their internship agency or similar agencies. For many students, the internship provides a testing ground to determine their suitability for a particular profession. Recent students have worked as juvenile probation officers, advocates for battered women, telephone crisis-line counselors, volunteer coordinators for in-home services for the elderly, and staff in an emergency food aid agency.

Postgraduate Opportunities

As with most undergraduate degrees, a major in sociology does not provide automatic access to any specific career. Most sociologists do some combination of three basic activities: teaching, research, and managing people or programs. What students can do with a BA in sociology depends upon a combination of factors including the ever-changing job market and the student's specific qualifications--courses, skills, work experience, and professional contacts. A major in sociology provides good preparation for students going into many areas, including law, social work, and social policy planning.

Faculty

Valerie Chepp, assistant professor. BA 2001, University of Wisconsin Madison; MA 2004, University of Chicago; MA 2009, University of Maryland, College Park; PhD 2014, University of Maryland, College Park. Cultural sociology, sex & gender, social movements, inequality/intersectionality, race & ethnicity, qualitative methods.

M Sheridan Embser-Herbert, professor, chair. BA 1978, The George Washington University; MA 1990, University of Massachusetts-Amherst; PhD 1995, University of Arizona; JD 2004, Hamline University. Social problems, inequality, justice, law, wrongful convictions. Author of *The U.S. Military's 'Don't Ask, Don't Tell' Policy: A Reference Handbook*.

Ryan LeCount, assistant professor. BA 2003, Indiana University; MS 2006, Purdue University; PhD 2014 Purdue University. Racial and ethnic relations, racial attitudes, whiteness studies, stratification, political sociology, social movements.

Navid Mohseni, professor. BS 1978, Teheran Business College; MA, PhD 1990, University of Kentucky. Critical theory, research methods, sociology of arts, macrosociology.

Sharon E. Preves, professor. BA 1991, Hamline University; PhD 1999, University of Minnesota. Sociology of gender, sexuality, medicine, social psychology. Author of *Intersex and Identity: The Contested Self* and *Classic and Contemporary Perspectives in Social Psychology*.

Major Requirements

A student who wishes to major in sociology must take 44 credits in the department. These courses must include:

- SOC 1110 - Introduction to Sociological Thinking, required in a student's first year
- SOC 1200 - Sociological Practice, required in a student's sophomore year
- SOC 3950 - Critical Social Theory, required in a student's junior year
- SOC 3930 - Social Research Methods, required in a student's junior year
- SOC 5960 - Senior Seminar, required in a student's senior year

Note: These five courses (20 credits) form a foundation of sociological knowledge. The remaining 24 credits are selected by students to reflect their individual interests.

The department strongly recommends that sociology majors take statistics, either PSY 1340: Statistics for the Behavioral Sciences or QMBE 1310: Statistics. These courses do not count as part of the sociology major. Knowledge of statistics is invaluable in doing sociological research and is frequently required by graduate schools. Students who are interested in pursuing graduate work in social work should also take a course in biology, preferably human biology. All sociology majors are required to complete an internship as part of the Senior Seminar.

Minor Requirements

A minor in sociology consists of 24 credits in sociology coursework including completion of:

- SOC 1110 - Introduction to Sociological Thinking

Theatre & Dance

The Department of Theatre & Dance provides courses of study as well as co-curricular activities to meet the interests of majors and the general student body. A number of courses in the department are open to all students who wish to explore theatre, dance or video production as an interest area.

Advanced courses (3000 level and above) are usually open to students with appropriate prerequisites or experiences. Many of the courses in the department address Hamline Plan competencies.

Studies in theatre are an integral part of the traditional curriculum in the arts, broadening understanding of human interaction as well as enhancing the appreciation of the dramatic arts. Theatre and the allied disciplines of dance and video production are all part of the effort of the Department to integrate aesthetic, humanistic and social scientific perspectives in the study of this fundamental form of human communication. The Department regularly offers study abroad opportunities for students seeking to expand their understanding of the universal language of the performing arts.

Postgraduate Opportunities

Students majoring in theatre pursue careers in teaching, professional or community theatre, or in the allied fields of television and film. The skills taught as part of the major have also equipped majors to enter the entertainment industry as producers, development directors for non-profit organizations, special event and convention planners as well as public relations specialists. Majors are encouraged to pursue graduate school opportunities in their respective fields of interest.

Each year Hamline students participate in regional and national interviews and auditions for advanced training and professional work. The department offers regular workshops and review sessions to help prepare student to make the transition into a career.

Facilities

The Hamline University Theatre mainstage performing facility is a fully equipped proscenium stage with continental seating for 300, computerized lighting control system, computerized sound recording and playback capability, orchestra pit, full flyloft, stage traps, a large scene shop with paint-frame, costume and lighting work rooms, dressing and makeup rooms, and Green Room. The Anne Simley Theatre is the site for all major productions and is used occasionally by outside professional theatre or dance companies.

A small flexible studio theatre is available in an adjacent building and is used for special projects in directing and design and as a performance space for one-act plays, readings, dance, and class activities. A well-equipped design classroom is used

for classes in stagecraft and technical production courses. The department also operates a small television station with modern equipment. The station is connected to the campus-wide cable system and supports student film and video projects.

Research and Development Opportunities

The department is an active participant in the Collaborative Research program. Majors are encouraged to discuss the opportunity to pursue advanced level study with a faculty member. The Department also provides students with specialized interested the option of developing a flexible curriculum.

Assistantships are available in the technical areas, as well as in publicity and the ticket office. All Department assistants receive regular performance reviews and work as an assistant is an important part of a student's professional training and portfolio development. Students are also encouraged to pursue internship and work opportunities with Twin Cities professional or community theatres. The Department email contact list and the Callboards regularly list work and audition opportunities.

The Holt Endowment in Theatre allows the Department to provide substantial support for selected students to attend professional conferences like the American College Dance Festival, the Kennedy Center American College Theatre Festival and the United States Institute for Theatre Technology. Majors in the program are strongly encouraged to participate in appropriate professional conferences.

Faculty

Departmental faculty combine active professional work in their respective fields with their primary role as educators. All faculty in the theatre program are involved in performance, directing, or design in the active Twin Cities theatre community.

Kaori Kenmotsu, assistant professor. BA 1993, University of Minnesota; MFA 2002, University of Wisconsin-Milwaukee. Dance educator, K-16; yoga instructor, professional dancer, actor, and choreographer.

Carolyn Levy, professor. AB 1973, Cornell University; MFA 1976, University of Wisconsin-Madison. Performance studies, acting, directing, creative dramatics. Freelance director (credits include Park Square Theatre, History Theatre, Playwright's Center); Artistic Associate, Minnesota Jewish Theatre Company; Artistic Director and Co-Founder, Women's Theatre Project.

Jeff Turner, professor. AB 1984, Centre College; MA 1986, University of California-Los Angeles; MA 1991, Appalachian State University; PhD 2000, University of Colorado-Boulder. Teaching and research interests include American

theatre history, directing, film studies, childhood studies, and popular culture studies.

William G. Wallace, professor, chair, designer, technical director. BA 1972, Concordia College, Illinois; MFA 1981, University of Minnesota. Stagecraft, technical production, theatre design fields (scenic, costume, lighting). Design consultant for area theatres.

Studies in Theatre Arts

Coursework in theatre combines study of history, literature, criticism, and theory of theatre and drama with courses in performance, design and technical production. Each season the Hamline University Theatre presents a variety of modern and classical works providing opportunities for mainstage and studio performance and production work. Student-directed and designed plays are a regular feature of the theatre program.

The dance program offers courses in modern dance. Advanced performance work and choreographic opportunities are available through membership in the Dance Ensemble. Two dance concerts are presented each year.

The department also operates a TV studio that produces a weekly show, and supports original student video productions. A video production course is offered regularly through the Department.

Major Requirements

Students majoring in theatre arts take the following courses selected in consultation with a major advisor in the department. For non-transfer students 20 credits (usually the equivalent of five courses) in the major must be taken at Hamline. Transfer students with second year standing or above must complete 16 credits (usually the equivalent of four courses) in the major at Hamline. Declared majors and minors must participate in departmental reviews conducted each semester and are expected to be active participants in the department's productions.

Minimum Course Requirements

- THTR 1120 - Studies in Dramatic Storytelling and Performance: Stage and Screens
- THTR 1130 - Dance I
- THTR 1230 - Acting I
- THTR 1420 - Technical Theatre
- THTR 3120 - Analyzing the Dramatic Text
- THTR 3140 - Theatre and Culture: Ancient to Renaissance
- THTR 3160 - Theatre and Culture: Modern to Postmodern
- THTR 5520 - Stage Direction
- THTR 5910 - Senior Theatre Project and Seminar

One of the following four courses in design:

- THTR 3410 - Stage Makeup
- THTR 3440 - Scenic Design
- THTR 3450 - Costume Design
- THTR 3460 - Lighting Design

Production experience coursework - Two credits are required, with a minimum of 0.5 credits in each category:

- THTR 1010 - Production Experience (Category I)
- THTR 3010 - Production Experience (Category II)

Theatre elective(s):

- One to four theatre electives in area of interest

Minor Requirements

Students minoring in theatre arts take eight courses selected in consultation with an advisor in the department. For non-transfer students 12 credits (usually the equivalent of three courses) in the minor must be taken at Hamline. For transfer students with second year standing or above 8 credits (usually the equivalent of two courses) in the minor must be taken at Hamline. Minors are strongly encouraged to participate in the departmental reviews and should be active participants in the department's productions. Minors are not eligible to take THTR 5910: Senior Theatre Project.

Minor Course Requirements

- THTR 1120 - Studies in Dramatic Storytelling and Performance: Stage and Screens
- THTR 1130 - Dance I
- THTR 1230 - Acting I
- THTR 1420 - Technical Theatre

Production experience coursework - One credit total with at least 0.5 credits in each of the following:

- THTR 1010 - Production Experience (Category I)
- THTR 3010 - Production Experience (Category II)

Three additional courses:

- Two 3000-level courses
- One 5000-level course

Theatre/Dance Licensing for K-12 Teaching

The department of theatre arts has been approved by the state of Minnesota to offer the K-12 license in theatre/dance. Fulfillment of the state requirement requires 13 courses in theatre/dance. Students must also complete the teacher education courses required for a Minnesota teaching license. Individuals contemplating a teaching license should meet with an advisor in the theatre department as soon as possible to facilitate course planning.

Course Requirements of Theatre/Dance License

- THTR 1120 - Studies in Dramatic Storytelling and Performance: Stage and Screens
- THTR 1130 - Dance I
- THTR 1230 - Acting I
- THTR 1420 - Technical Theatre
- THTR 3120 - Analyzing the Dramatic Text

- THTR 3140 - Theatre and Culture: Ancient to Renaissance
- THTR 3160 - Theatre and Culture: Modern to Postmodern
- THTR 3700 - Children's Theatre
- THTR 5520 - Stage Direction
- THTR 5910 - Senior Theatre Project and Seminar

One course chosen from

- THTR 1140 - Dance II
- THTR 3800 - Dance Ensemble

One course chosen from:

- THTR 3410 - Stage Makeup
- THTR 3440 - Scenic Design
- THTR 3450 - Costume Design
- THTR 3460 - Lighting Design

Production experience coursework - Two credits total with at least 0.5 credits in each of the following:

- THTR 1010 - Production Experience (Category I)
- THTR 3010 - Production Experience (Category II)

Women's Studies Department

The women's studies program at Hamline University prepares students to understand the situation of women nationally and globally. Women's studies students develop cultural and political awareness, as well as the confidence and ability to identify and challenge systems of oppression that limit the freedom and potential of all people.

Learning in women's studies allows students to:

- explore the intersectional impact of gender, sexuality, race, class, and ability on women's experience;
- develop awareness of cultural diversity and the process of social transformation; and
- conduct research on the situation of women nationally and globally.

Women's Studies offers a major, a minor, and a double-major in legal studies and women's studies with a paralegal certificate.

Women's Studies Major and Minor

The women's studies major and minor are designed to be flexible. Learning in the major and minor combines theoretical, practical, and research opportunities that prepare students for advanced study and professional work in a variety of occupational fields including non-profit, business, government, and human rights. Students study the roles and contributions of women as well as the effects of a variety of social and cultural systems on women's experience. Students gain multicultural competencies that allow them to closely analyze texts and social systems, write critically, and speak confidently.

Double-Major in Legal Studies and Women's Studies

This interdisciplinary double major provides students with a unique program of study that allows them to explore intersections between the law and other areas such as gender, sexuality, race, class, and ability. This combination of learning experiences in two fields, combined with practical and theoretical experiences, prepares students to make social change in the pursuit of creating a better world for everyone. Students develop competencies that will allow them to engage in a variety of opportunities in the law, public policy, non-profit work, human services, legislative initiatives, human rights, or social service. Through elective coursework, students can simultaneously complete a paralegal certificate; this pairing of practical legal training with a liberal arts program focused on cultural and political awareness is highly valued by employers. Students interested in pursuing the double major in legal studies and women's studies should consult www.hamline.edu/cla/lgst-wstd/.

Opportunities for Nonmajors

Women's studies courses are open to nonmajors, except the senior research seminar and courses where prerequisites or other limits are set.

Honors in Women's Studies

Honors projects are student-initiated and culminate in the production of professional quality research projects. Honors projects offer an opportunity in the junior and senior year for students to work closely with a faculty member on a significant project designed to explore more deeply a particular focus within women's studies. The student should initiate the project by discussing possible topics with a potential advisor and the chair of women's studies. Students wishing to be considered for departmental honors in women's studies should review the detailed information and application forms available from their academic advisor or the chair of women's studies early in their junior year. Those who successfully defend the honors projects will be awarded honors at graduation, and their accomplishment will be recognized on their academic transcript.

The women's studies academic honor society is *lota lota lota*. Qualifying students may apply for membership by contacting the women's studies chair.

Internship

Each student majoring in women's studies must complete a qualifying internship related to women's studies. Internship guidelines are available from the women's studies chair.

Postgraduate Opportunities

Women's studies prepares students to think critically, analyze ideas and policies skillfully, manage diversity in and out of the workplace, apply social justice concerns, and work toward social transformation. This liberal arts field leads to an array of career choices, in areas such as public service, business, law, health, and non-profit. Women's studies majors interested in attending graduate school should discuss securing recommendations and obtaining information on graduate programs and entrance exams with the program chair during their junior year.

Cross-Listed Courses

Cross-listed courses are offered in a variety of departments, and have included topics relating to women and gender in art, communication, biology, globalization, history, literature, philosophy, politics, religion, and sociology. Students should consult Piperline each term for current cross-listings in women's studies by using the "area of study" sort function or contact the women's studies chair.

Faculty

Colleen Bell, professor. BS 1975, Iowa State University; MS 1979, University of Wisconsin-Madison; PhD 1986, University of Illinois Urbana-Champaign. Research and teaching interests: women's studies, social conflict, social justice, youth activism.

Kristin Mapel Bloomberg, professor. Hamline University Endowed Chair in the Humanities. BA 1990, Hamline University; MA 1992, St. Cloud State University; PhD 1998, University of Nebraska-Lincoln. Research and teaching interests: women's studies and feminist theory; woman suffrage and women's social movements, especially the American Midwest; late-nineteenth and early-twentieth century American women's history, culture, and literature.

Major Requirements

Ten courses make up the major, at least six must be at the 3000-level or higher:

- WSTD 1010 - Foundations of Women's Studies
- WSTD 3850 - Feminist Theory
- WSTD 3990 - Women's Studies Internship
- WSTD 5900 - Research Seminar
- Six elective courses (three must be at the 3000-level or higher)

Minor Requirements

Six courses make up the minor, at least three must be at the 3000-level or higher:

- WSTD 1010 - Foundations of Women's Studies
- WSTD 3850 - Feminist Theory
- Four elective courses (two must be at the 3000-level or higher)

Curriculum: The School of Business

Vision

Where the business, government, and non-profit sectors intersect to educate and collaborate for the common good.

Mission Statement

The Hamline School of Business is an inclusive community dedicated to the professional and personal development of our students, faculty and staff and to the advancement of the common good. We achieve our mission through teaching excellence, the integration of theory and practice, and the engagement of our stakeholders to address complex issues facing the business, government and non-profit sectors. We see our mission firmly rooted within the values of the Hamline University.

Departmental Honors

Students who have a GPA of at least 3.25 in their major courses are urged to complete a substantial research project to qualify for honors at graduation.

Faculty

Hossein Akhavi-Pour, professor. BA 1969, Faculty of Law, Tehran University; MA 1975, PhD 1980, Kansas State University. Work experience: government, consulting, and academic. Research interests: international economics, regional economics, and the economies of the global south.

Peggy Andrews, lecturer. BA 1989, Ambassador University, Pasadena, CA. MA 1999, St. Mary's University of Minnesota. PhD 2010, University of Minnesota. Work experience: human resource leadership in packaged food and high-tech sectors; management consulting across publicly traded, family owned, and non-profit organizations. Research interests: white collar layoffs; career development; sociological, psychological and theological perspectives on maternal employment; individual and organizational flourishing.

David M. Berg, assistant professor. BA 1981, St Olaf College; MIBS 1984, University of South Carolina; PhD 1998, University of Minnesota; CMA. Experience: international finance, import/export/ technology export. Research interests: globalization and competition, firm strategy and adaptation, context of international business.

Stacie A. Bosley, assistant professor. BBA 1994, University of Wisconsin-Madison; PhD 2001, University of Minnesota. Work experience: information systems consulting. Research interests: income-related fraud (including pyramid schemes), consumer protection, and behavioral economics.

Thomas Burns, visiting instructor. BA 1966, Iona College, MBA 1990, University of St Thomas.

Ken Fox, professor. BA, 1979, University of California, Davis; JD, 1985, Lewis and Clark Law School. Senior Fellow, Dispute Resolution Institute. Work Experience: business and government law practice, conflict management consulting to public, private, non-profit and regulated industries, courts, schools and universities. Research interests: mediation, negotiation, reflexive professional practice, conflict analysis.

Elizabeth W. Gunderson, professor, chair. BAS 1976, University of Minnesota; MBA 1981, University of St. Thomas; PhD 1991, The Union Institute. Work experience: nonprofit organizations and private consulting. Research interests: forensic economics, security analysis.

James Hagen, professor. AB 1974, University of Michigan; MS 1988, University of Minnesota; Ph.D. 1997, University of Illinois. Experience: bank operations, commercial real estate, consulting. Research interests: foreign market entry, inter-organizational relations, East Asia.

J. Dan Lehmann, senior lecturer. BS 1974, MS 1975, PhD 1982, University of Illinois. Work experience: business executive in international firms and consulting. Research interests: investments, corporate finance and management.

Anne M. McCarthy, professor, dean. AB 1980, Georgetown University; MBA 1986, University of Connecticut; PhD 1992, Purdue University. Work experience: bank operations, hotel operations, historic renovation and commercial real estate conversion. Research interests: business ethics, entrepreneurial and top executive decision making, and service learning.

Kim K. McKeage, associate professor. BA 1984 Mississippi University for Women, MS 1988 Oklahoma State University, PhD 1996 University of Massachusetts/Amherst, MA 2011 Southern Connecticut State University. Work experience: higher education administration, retail management, internal auditing, research consulting. Research interests: consumer culture, unintended consequences of marketing, ethics and social responsibility, and retail management.

Kris Norman-Major, professor. Director of Public Administration Programs. BA 1987 Hamline University, MA 1990, University of Minnesota, PhD 1996, Vanderbilt University. Work Experience: state and local government and policy consulting. Research Interests: cultural competence, social equity, public policy and public administration.

Jack Reardon, professor. B.A. 1981 College of the Holy Cross, M.A. 1984, PhD 1991 Economics, University of Notre Dame. Research Interests: economics education, energy and the environment, poverty and unemployment. Founding Editor of the International Journal of Pluralism and Economics Education.

Robert L. Routhieaux, associate professor. BS 1987, California State University, Chico. MS 1993, PhD 1995, University of Arizona. Work experience: restaurant and retail management, training and development, nonprofit and small business consulting / coaching. Research interests:

organizational growth, change and sustainability in small business, health care, and nonprofits.

Jim Scheibel, professor of practice. BA 1969, St. John's University (Minnesota); MPA 2014, University of Minnesota. Work experience: community organizer, elected official, Director of VISTA and the Senior Corps, nonprofit executive. Interests: poverty, homelessness and hunger, service and civic studies.

Chad Sponsler, lecturer. B. Acct. 2002, MBA 2003, University of North Dakota; JD 2008, Hamline University; CPA. Research interests: Certified Public Accountant exam performance variables, financing higher education, educational tax incentives.

Dan Toninato, Instructor. BS 1987, St. John's University, MBA 2010, Finance, Augsburg College.

Craig A. Waldron, lecturer. BA 1972 University of Iowa, M.A. 1974 Minnesota State Mankato, DPA 2003 Hamline University. Work Experience: Public Sector - Manager and Elected Official. Interests: Local Government, Leadership, Policy, and Social Equity.

Nancy Webber, lecturer. BS 2002 and MBT 2004, University of Minnesota. Work experience: CPA with concentration in business taxation.

Bachelor of Arts Economics Program

Economics Major

Economics is a social science related to business in the same way that physics is related to biology or medicine. It focuses on the principles underlying the operation of the economy. Students who enjoy abstract analysis will find the economics major interesting and challenging. Study of mathematics is a useful adjunct and is essential for students planning graduate study in this field. The economics major prepares students for analytical occupations, typically in business, or for graduate work in law, economics, public policy or related fields.

Core Economics Major Requirements

- ECON 1310 - Microeconomic Analysis
- ECON 1320 - Macroeconomic Analysis
- ECON 3110 - Intermediate Microeconomics
- ECON 3120 - Intermediate Macroeconomics
- ECON 5820 - Econometrics
- ECON 5860 - Senior Seminar Economics
- MATH 1170 - Calculus I

One communication course chosen from the following

- COMM 1110 - Public Speaking
- COMM 1650 - Argumentation and Advocacy
- COMM 3380 - Small Group Communication

One statistics course chosen from the following

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Electives - choose three courses from the following:

- ECON 3710 - Labor Economics
- ECON 3720 - International Economic Development
- ECON 3730 - International Trade and Finance
- ECON 3740 - Economics of Public Finance
- ECON 3770 - Environmental Economics
- FIN 3700 - Financial Markets and Institutions
- ECON 3980 - Special Topics

Note: Computer programming is strongly recommended for all options but not required. MATH 1170 is not required of students who complete 1180 or other higher-level math courses. A student planning to do graduate study in economics should complete MATH 1180: Calculus II, 3320: Multivariable and Vector Calculus, and 3330: Linear Algebra.

Economics Major-Analytical Economics Concentration

Economics students are often interested in quantitative analysis and many of them prefer to choose a career that gives them a chance to apply their quantitative and analytical skills. One of the areas of interest to economics students is a business analyst position. This course of study will prepare students for advanced study in a quantitative discipline or for a technical or analytical position in the public or private sector.

Graduates with an Analytical Economics concentration will be well-versed in economic principles, theories and methodologies with direct industry application.

Core Economics Major Requirements

- ECON 1310 - Microeconomic Analysis
- ECON 1320 - Macroeconomic Analysis
- ECON 3110 - Intermediate Microeconomics
- ECON 3120 - Intermediate Macroeconomics
- ECON 5820 - Econometrics
- ECON 5860 - Senior Seminar Economics
- MATH 1170 - Calculus I

One communication course chosen from the following

- COMM 1110 - Public Speaking
- COMM 1650 - Argumentation and Advocacy
- COMM 3380 - Small Group Communication

One statistics course chosen from the following

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Three additional courses:

- Elective in economics
- Elective in economics
- Internship focusing on analytics

Analytics Concentration Courses

- CSCI 1250 - Introduction to Computer Science
- QMBE 1320 - Introduction to Business Analytics
- QMBE 3730 - Advanced Business Analytics

One course chosen from the following (note that some of these courses have prerequisites):

- MKTG 3720 - Market Research
- QMBE 3710 - Operations Management
- QMBE 3720 - Decision Science
- QMBE 3740 - Data Mining

Economics Major-Financial Economics Concentration

Financial Economics is a branch of economics that analyzes the use of economic resources in markets in which decisions are made under uncertainty. This branch of economics employs economic theory to evaluate how time, risk, opportunity costs and information can create incentives for a particular decision. Students who enjoy abstract economics analysis and applied financial analysis will find the concentration interesting and challenging. Study of finance and accounting are essential for students planning graduate in this field. Certain careers in the field of financial economics (investment banking, corporate financial management, and financial regulations) may require a graduate degree.

Core Economics Major Requirements

- ECON 1310 - Microeconomic Analysis
- ECON 1320 - Macroeconomic Analysis
- ECON 3110 - Intermediate Microeconomics
- ECON 3120 - Intermediate Macroeconomics

- ECON 5820 - Econometrics
- ECON 5860 - Senior Seminar Economics
- MATH 1170 - Calculus I

One communication course chosen from the following

- COMM 1110 - Public Speaking
- COMM 1650 - Argumentation and Advocacy
- COMM 3380 - Small Group Communication

One statistics course chosen from the following

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

One course chosen from the following:

- Elective in economics
- Internship in a financial economics field

Finance Concentration Courses

- ACCT 1310 - Accounting Principles I
- ACCT 1320 - Accounting Principles II
- ECON 3730 - International Trade and Finance
- FIN 3100 - Foundations of Finance
- FIN 3700 - Financial Markets and Institutions

One course chosen from the following:

- FIN 3710 - Financial Analysis
- FIN 3720 - Investment Management
- FIN 3730 - Corporate Finance

Bachelor of Business Administration Program

The Bachelor of Business Administration (BBA) program is designed to complement the liberal studies of Hamline University by providing students with breadth and depth of understanding in core business disciplines. All Hamline BBA degree-earners will graduate with a wide range of abilities to manage and lead successful organizations in the face of our modern and increasingly complex world. All BBA students complete a 13-course core and a concentration.

Core Business Major Requirements

- ACCT 1310 - Accounting Principles I
- ACCT 1320 - Accounting Principles II
- ECON 1310 - Microeconomic Analysis
- ECON 1320 - Macroeconomic Analysis
- FIN 3100 - Foundations of Finance
- MGMT 3100 - Foundations of Management
- MGMT 3130 - Business Law
- MGMT 5860 - Strategic Management
- MKTG 3100 - Foundations of Marketing
- QMBE 1320 - Introduction to Business Analytics

One statistics course chosen from the following:

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

One communication course chosen from the following:

- COMM 1110 - Public Speaking
- COMM 1650 - Argumentation and Advocacy
- COMM 3380 - Small Group Communication

One writing course chosen from the following:

- ENG 1800 - Introduction to Professional Writing and Rhetoric
- ENG 3340 - Organizational Writing

Accounting Concentration

In a world driven by financial statements, accounting majors are at the frontline of the business community. In addition to learning the language of business, our majors also learn to synthesize the numbers into meaningful financial reports, which are the cornerstone for how our free markets move efficiently. Accounting requires the greatest breadth of study of any business major, which translates into a broad base for career opportunities.

Accounting Concentration Courses

- ACCT 3010 - Intermediate Accounting I
- ACCT 3020 - Intermediate Accounting II
- ACCT 3030 - Cost Accounting
- ACCT 5020 - Business Taxation
- ACCT 5030 - Advanced Accounting
- ACCT 5040 - Auditing

Business Analytics Concentration

The Business Analytics concentration in the BBA comprises the study of quantitative models and solutions to business data management concerns. Business analysts bring a well-developed understanding of business and economics to the technical undertaking of defining quantitative models to solve problems. Business Analytics include the study of mathematical models and data management techniques, aimed at improving the decision making capabilities of organizations. Business Analytics also includes the development of skills in computer programming and software applications to perform data analysis in a variety of contexts.

Business Analytics Concentration Courses

- MATH 1170 - Calculus I
- MGMT 3960 - Internship with Seminar
- QMBE 3730 - Advanced Business Analytics
- CSCI 1250 - Introduction to Computer Science

Two courses chosen from the following:

- ECON 5820 - Econometrics
- MKTG 3720 - Market Research
- QMBE 3710 - Operations Management
- QMBE 3720 - Decision Science
- QMBE 3740 - Data Mining

Finance Concentration

Students are challenged to develop new ways of understanding the complex web of interrelationships that exist within and between the financial management of an entity, the investment community, and money & capital markets. Courses are designed to equip future professionals with the financial tools needed to become discerning and effective decision makers - whether they seek to pursue careers in banking, insurance, corporate finance, international finance, risk management, governmental regulation, financial planning, public finance, investments, fundraising, or investment banking.

Finance Concentration Courses

Three finance courses chosen from the following:

- ACCT 3010 - Intermediate Accounting I
- FIN 3700 - Financial Markets and Institutions
- FIN 3710 - Financial Analysis
- FIN 3720 - Investment Management
- FIN 3730 - Corporate Finance
- FIN 3980 - Special Topics

General Business Concentration

The Bachelor of Business Administration degree is designed to complement the liberal studies of Hamline University by providing students with breadth and depth of understanding in core business disciplines. For the General Business concentration, students select from any upper level business courses to develop their analytical, communication and interpersonal skills which prepares them for the world of work.

Students are also encouraged to explore internship and study abroad opportunities. Selecting the General Business concentration allows for the most flexibility in elective course choices.

General Business Concentration Courses

Three general business courses chosen from the following:

- 3000-level FIN courses
- 3000-level MGMT courses
- 3000-level MKTG courses
- 3000-level QMBE courses

International Business Concentration

International Business is designed to complement the business degree in the liberal studies of Hamline University by providing students with a focus on understanding specific aspects of international business. Students in International Business select a foreign language and several specific international courses that would complement their business degree. Students are also encouraged to explore internship and study abroad opportunities.

International Business Concentration Courses

Three International Business specific courses from the following:

- ECON 3720 - International Economic Development
- ECON 3730 - International Trade and Finance
- MGMT 3720 - International Business Environment
- MKTG 3710 - International Marketing
- Special Topics in International Business

Language Requirement - Six specified language courses in German or Spanish, or another language approved by your advisor:

German

- GERM 1110 - Beginning German I
- GERM 1120 - Beginning German II
- GERM 3210 - Intermediate German I
- GERM 3220 - Intermediate German II
- GERM 3900 - Advanced German Conversation and Composition
- GERM 3910 - Professional German

Spanish

- SPAN 1110 - Beginning Spanish I
- SPAN 1120 - Beginning Spanish II
- SPAN 3210 - Intermediate Spanish I
- SPAN 3220 - Intermediate Spanish II
- SPAN 3900 - Advanced Conversation and Composition
- SPAN 3910 - Spanish for the Professional

Management Concentration

The Management concentration prepares graduates for a wide variety of entry level positions in the corporate, non-profit, and public sectors. In addition to the general core business

courses, students gain knowledge and skills in leadership, human resource management, organizational behavior, teams, decision making, communication, operations management and/or international business, as well as other staples of business. Graduates benefit from a solid grounding in contemporary management as well as emerging management trends.

Management Concentration Courses

Three management courses chosen from the following:

- MGMT 3700 - Human Resource Management
- MGMT 3720 - International Business Environment
- MGMT 3740 - Organizational Behavior
- MGMT 3750 - Entrepreneurship
- MGMT 3760 - Sustainable Enterprise
- MGMT 3770 - Sports Management and Marketing
- MGMT 3780 - Sport Facility Management
- MGMT 3790 - Promotion and Event Planning
- MGMT 3980 - Special Topics
- QMBE 3710 - Operations Management

Marketing Concentration

The Marketing concentration prepares graduates to contribute to the corporate, entrepreneurial, non-profit, and public sectors by having the skill to identify customer needs, develop products and services to serve those needs, make those products and services available, and assure that users have the awareness and interest to use them. In addition to opening doors to employment upon graduation, the marketing major opens minds to the importance of working with others and appreciating the diversity of ways people both perceive and satisfy their needs.

Marketing Concentration Courses

Three marketing courses chosen from the following:

- MKTG 3710 - International Marketing
- MKTG 3720 - Market Research
- MKTG 3730 - Digital Marketing
- MKTG 3740 - Consumer Behavior
- MGMT 3770 - Sports Management and Marketing
- MKTG 3980 - Special Topics

Sport and Recreation Management Concentration

The Sport and Recreation Management concentration shares the core business curriculum of all BBA students and is steeped in the liberal arts which defines Hamline University. A student graduating with this degree should be prepared for employment in the sport, recreation, and event management areas and would have great flexibility in moving to other for profit and not for profit companies or organizations. All students adopting this concentration are required to complete an internship gaining real world experience.

Sport and Recreation Management Concentration Courses

- MGMT 3770 - Sports Management and Marketing
- MGMT 3780 - Sport Facility Management
- MGMT 3790 - Promotion and Event Planning
- MGMT 3960 - Internship with Seminar

Minor Programs

Business Analytics Minor

Students majoring in other areas within the University can pursue a minor in Business Analytics. The minor comprises a subset of the analytical courses required for undergraduate business programs and for the Business Analytics concentration, along with the selection of one elective course.

Minor Requirements:

- CSCI 1250 - Introduction to Computer Science
- MATH 1170 - Calculus I
- QMBE 1320 - Introduction to Business Analytics
- QMBE 3730 - Advanced Business Analytics

One statistics course chosen from:

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

One course chosen from:

- ECON 5820 - Econometrics
- MKTG 3720 - Market Research
- QMBE 3710 - Operations Management
- QMBE 3720 - Decision Science
- QMBE 3740 - Data Mining

Business Practice Minor

The minor in Business Practice is designed to give non-business majors an introduction to some of the critical functions of business: management, marketing, finance and accounting, along with some of the analytical tools used to understand and support business activity. Coupling the business minor with a major outside the School of Business can help students understand the business and economic.

Minor Requirements:

- ECON 1310 - Microeconomic Analysis
- ACCT 1310 - Accounting Principles I
- MGMT 3100 - Foundations of Management
- MKTG 3100 - Foundations of Marketing

One course chosen from

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

One course chosen from:

- ACCT 1320 - Accounting Principles II
- QMBE 1320 - Introduction to Business Analytics
- Any 3XXX Business Related Course

Note: Students pursuing a BBA degree may not also minor in business practice.

Economics Minor

Minor Requirements:

- ECON 1310 - Microeconomic Analysis
- ECON 1320 - Macroeconomic Analysis

One course chosen from

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Three courses from the following:

- ECON 3110 - Intermediate Microeconomics
- ECON 3120 - Intermediate Macroeconomics
- ECON 3710 - Labor Economics
- ECON 3720 - International Economic Development
- ECON 3730 - International Trade and Finance
- ECON 3740 - Economics of Public Finance
- ECON 3770 - Environmental Economics
- ECON 3980 - Special Topics
- ECON 5820 - Econometrics
- ECON 5860 - Senior Seminar Economics
- FIN 3700 - Financial Markets and Institutions

Management Minor

The Management minor is designed to give non-business majors an introduction to some of the theories and tools managers use to plan, organize, control, and lead people and processes in organizational settings across the for-profit, non-profit, and government sectors. Coupling the Management minor with a major outside the School of Business can help students understand how to adapt and apply theory to practice to create results in the world of work.

Minor Requirements:

- ECON 1310 - Microeconomic Analysis
- MGMT 3100 - Foundations of Management
- MGMT 3750 - Entrepreneurship
- MKTG 3100 - Foundations of Marketing

One Statistics course chosen from:

- MATH 1200 - Applied Modeling and Statistics
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

One additional course:

- One 3000-level management course

Note: Students pursuing a BBA degree may not also minor in management.

Nonprofit Management Minor

The minor in nonprofit management is designed to provide students from a broad variety of majors with knowledge and insights that will lead to successful careers in the nonprofit sector. Students will learn about the many roles nonprofits play in a healthy and supportive community. They will also learn the vital roles that volunteerism and the nonprofit sector

have played in the history of our country, and the emerging roles of nonprofits around the world. The required courses provide specific knowledge on nonprofit governance, management, and operations. In addition to a three course sequence focusing on knowledge and skill development, students who wish to earn the minor in nonprofit management are required to fulfill a semester-long internship with a local nonprofit organization. Students will work with program advisors in selecting internship sites, and will attend a seminar throughout the internship experience that will enrich the experience and allow students to learn from each other. To complete the minor, students will select two additional courses that complement their studies and career goals.

Minor Requirements:

- NPFT 1010 - Introduction to the Nonprofit Sector
- NPFT 3010 - Nonprofit Governance, Finance, and Law
- NPFT 3020 - Development and Fundraising
- NPFT 5860 - Nonprofit Seminar and Internship

Electives - Given the wide variety of majors that students are interested in, students will complete the Nonprofit minor requirements by selecting two courses (8 credits) outside of their major requirements.

Possible courses include (please note: some of these courses will have prerequisites):

- ANTH 3460 - From Development to Globalization
- COMM 3460 - Intercultural Communication
- COMM 3639 - Persuasive Cases and Campaigns
- CFST 1100 - Introduction to Conflict Studies
- CFST 3100 - Approaches to Conflict Response
- CFST 3300 - The Role of Conflict in Social Change
- ESTD 1100 - Introduction to Environmental Studies
- MGMT 3100 - Foundations of Management
- MGMT 3700 - Human Resource Management
- MGMT 5860 - Strategic Management
- MKTG 3100 - Foundations of Marketing
- MKTG 3700 - Marketing Management
- SOCL 1100 - Introduction to Issues in Social Justice
- SOC 1120 - Social Problems
- THTR 5400 - Managing the Performing Arts
- WSTD 1010 - Foundations of Women's Studies

Curriculum: The School of Education

Undergraduate Teacher Education Program

Teaching is one of the most satisfying and rewarding professions for those who enjoy working with young people. It is also one of the most important and challenging professions. Teachers carry a tremendous responsibility as they work to prepare students for their lives beyond P-12 classrooms.

Hamline has served the needs of new teachers since the 1850s. This legacy continues today as we work to prepare teachers who can meet the demands of the teaching profession in the 21st century. To that end, Hamline's Undergraduate Teacher Education (UTE) Program is committed to "developing reflective practice in an urban, multicultural context." As an integral part of the Hamline School of Education, the program also works within the larger conceptual framework which acknowledges the importance of 1) promoting equity in schools and society, 2) building communities of teachers and learners, 3) constructing knowledge, and 4) practicing thoughtful inquiry and reflection. Throughout the program, students are placed in several different urban school settings where they develop the knowledge, skills, and dispositions essential to effective teaching. The UTE program believes that future teachers educated in this context will be better prepared to teach in urban, rural, suburban, and global educational environments.

Hamline students have the option to earn a co-major in education (with or without licensure) or minor in education (with or without licensure). In addition, students earn a major in a CLA or HSB content area. Students interested in school-based careers beyond classroom teaching (e.g. school counseling, school administration, media generalists) should be aware that these programs normally require an initial teaching license. Students must seek advanced study to prepare for these careers after completing a bachelor's degree and all requirements for an initial teaching license.

Licensure Programs: All teaching candidates are advised that completion of the program within a four-year time frame requires careful planning. If you are interested in licensure, please seek early advising from the Undergraduate Teacher Education program faculty to plan your program.

Pathway to the Master of Arts in Teaching

Undergraduate education majors are eligible to apply their licensure credits toward Hamline's Master of Arts in Teaching program. This program allows for a seamless transition from undergraduate to graduate study. For more details about the

benefits of this program and the requirements for admission, please contact the School of Education at education@hamline.edu or the undergraduate Program Coordinator, Dr. Kim Koeppen, kkoeppen@hamline.edu or 651-523-2241.

HSE Conceptual Frame

Faculty within the Hamline School of Education professional education programs are committed to developing teacher-leaders who: promote equity in schools and society, build communities of teachers and learners, construct knowledge, and practice thoughtful inquiry and reflection.

Teacher Education Program Learning Outcomes

Graduates of HSE teacher education programs will be able to:

1. Implement effective lesson plans in K-12 classrooms,
2. Meet individual student learning needs by applying appropriate learning theories,
3. Critique the effects of their professional decisions on the teaching/learning context,
4. Foster relationships with appropriate community members to support/supplement students' in-school experiences, and
5. Communicate effectively in writing.

Admission to Student Teaching

Application for admission to student teaching must be made at the beginning of the term preceding student teaching. Students should complete the application process during a student teaching intake meeting as scheduled by the department and the School of Education's Office of Clinical Experience. Completing coursework does not guarantee licensure or program completion. Students must meet all of the outlined criteria specified in the bulletin and program handbook, as well as receive approval from the teacher education faculty, to progress into the student teaching semester.

Applicants must satisfy the following criteria to student teach:

1. Formal admission to the Teacher Education Department (you will receive a letter from the department chair or authorized designee),
2. Senior standing at the time of student teaching,
3. Recommendation from the faculty of the student's major department,
4. Recommendation from the teacher education faculty,
5. Completion of content-major coursework (CLA/HSB),
6. Completion of licensure coursework (HSE),
7. Primary major GPA and licensure coursework GPA are both at 3.0 or above,
8. Coursework for licensure must have a grade of a B- or higher,
9. Demonstrate readiness to apply to student teach by meeting all SEPBTs (MN Standards of Effective Practice for Beginning Teachers),

10. If world language license is sought, a minimum score of Advanced Low on ACTFL Oral Proficiency Interview (OPI) must be attained,
11. Students who do not meet academic GPA or letter-grade standards may have options to request exceptions to academic policies, but must initiate conversations early with their faculty advisors to learn about deadlines and procedures for submitting academic petitions.

A student whose application for student teaching is denied may either reapply when all criteria are satisfactorily met or petition the Office of Clinical Experience to reconsider the decision.

State of Minnesota Licensure Examination Requirements

All candidates for licensure must successfully complete the MTLE Basic Skills Exam or its equivalent (contact an education faculty member for more information) in reading, writing, and mathematics. Completion of the exam is required before formal admission into the Undergraduate Teacher Education program is granted. Taking the exam during or before the sophomore year ensures the opportunity to retake some or all of the exam before applying for a license.

All candidates who are applying for a first-time Minnesota teaching license must also complete the appropriate content-area and pedagogical MTLEs. Information regarding registration procedures, fees, and exam dates may be obtained from a faculty advisor or staff member in the teacher education program, or from the MTLE website at: www.mtle.nesinc.com. No one may be licensed in the state of Minnesota without passing the appropriate exams.

The cost of MTLE exams may be covered by financial aid. For questions, please contact the Financial Aid Department at 651.523.2000.

Grade Policies

No education course in which the grade received is less than B- may be used to meet any licensure requirement, although some exceptions may be petitioned (contact your advisor for details). Student teaching courses and associated sections are graded pass (P), pass and not recommended for licensure (PNR), or no credit (N).

Departmental Honors

Departmental Honors Projects (DHPs) are a rigorous and fulfilling way of pursuing a long-term research project in your major. DHPs may emerge out of sophomore- and junior-year courses, study-abroad experiences, collaborative research projects, or students' intellectual passions. Students usually begin formal work on DHPs in the spring of junior year, and complete the DHP in the spring of the senior year. To learn

more about DHPs in your department, consult your advisor and your department chair.

Examples of Unique Program Opportunities

English as a Second Language

Growing immigration to the United States has increased the need for English instruction for those who are learning English as a second language. In collaboration with the faculty of the Second Language Teaching and Learning program, the teacher education department offers a K-12 license in English as a Second Language to interested undergraduates with any major. In addition to the K-12 courses, eight courses in ESL are required. Because of this considerable amount of required coursework, careful planning is required. Please consult with a departmental advisor for the list of required ESL courses.

Hamline Overseas Student Teaching (HOST)

The HOST program is a combined winter-spring experience that provides a student teaching opportunity in another cultural and geographical setting. Students are first placed in a Twin Cities urban school where they student teach for eight weeks (e.g., January-February). Participants then student teach in an overseas school for ten weeks (March-May). HOST is available only to education students who have completed all required coursework and are eligible for a regular student teaching placement. Interested students should contact the School of Education Teacher Education Department chair for specific details.

Faculty

Letitia Basford, associate professor. BA 1995, University of Minnesota; MA 2000, San Francisco State University; PhD 2008, University of Minnesota.

Michelle Benegas, assistant professor, BA 2000, University of Saint Thomas; MA 2003, Hamline University.

James Brickwedde, assistant professor. BA 1977, State Universities of New York-Buffalo; MSE 1993, University of Wisconsin-River Falls; PhD 2011, University of Minnesota.

Jennifer Carlson, associate professor, BS 1991, Winona State University; MS 1998, Minnesota State University-Mankato; PhD 2001, University of Wisconsin-Madison.

Rachel Endo, associate professor and Teacher Education department chair. BS, MPA, MA, University of Nebraska at Omaha; PhD 2009, University of Illinois at Urbana-Champaign.

Jeff Fink, assistant professor, BS 1976, University of Minnesota; MA 1984, University of Saint Thomas.

Sarah Hick, assistant professor. BA 1992, Grinnell College; MES 1996, Yale University; PhD 2008, University of Minnesota.

Kim Koeppen, professor and UTE program coordinator. BA 1984, Iowa State University; MSE 1991, Northern Illinois University; PhD 1996, The University of Iowa.

Joe Lewis, assistant professor, BA 1989, Grinnell College; MA 1999, University of Wisconsin-Milwaukee; EdD 2006, Columbia University Teachers College

William Lindquist, assistant professor, BA 1976, Augsburg College; MA 1993, University of Saint Thomas; PhD 2001, University of Minnesota.

Ann Mabbott, professor, BA 1973, College of Wooster; MA 1974, University of Wisconsin-Madison; PhD 1995, University of Minnesota.

Rebecca Neal, assistant professor, BS 1993, Hampton University; MEd 1994, College of William and Mary; PhD 2014, Arizona State University

Marcia Rockwood, assistant professor, BS 1974, St. Cloud State University; MA 1982, University of Minnesota.

Deb Sheffer, assistant professor, BA 1977, Gustavus Adolphus College; MA 1998, Hamline University.

Jean Strait, professor, BA 1987, University of Pittsburgh; MS 1991, Moorhead State University; PhD 1995, University of Minnesota.

Education Co-Major Requirements

Students pursuing an Education Co-Major must complete a minimum of 36 credits in education coursework. This coursework includes EDU and GED courses in the elementary, 5-12, 9-12, or K-12 licensure sequences, internship, independent study, Departmental Honors, or other courses at Hamline or through ACTC as approved by Undergraduate Teacher Education Faculty.

Education Minor Requirements

Students wishing to declare education as a minor (with no teaching license) must complete the following three courses.

- EDU 1150 - Schools and Society
- EDU 1150 - LAB: Schools and Society
- EDU 1250 - Educational Psychology
- EDU 3500 - Diversity and Education
- EDU 3500 - LAB: Diversity and Education
- 8 additional credits of electives are needed. Options can include a combination of courses from across the University and ACTC as approved by Undergraduate Teacher Education faculty.

Licensure Requirements

The following lists the general requirements for licensure in: I. Elementary Teaching K-6, II. Secondary Teaching 5-12 or 9-12, and III. K-12 Teaching.

I. Elementary Teaching K-6 Licensure Requirements

- EDU 1150 - Schools and Society
- EDU 1150 - LAB: Schools and Society
- EDU 1250 - Educational Psychology
- EDU 3260 - Theory to Practice
- EDU 3500 - Diversity and Education
- EDU 3500 - LAB: Diversity and Education

- GED 7835 - Teaching Art in the Elementary School K-6
- GED 7836 - Teaching Music in the Elementary School K-6
- GED 7837 - Teaching Health in the Elementary School K-6
- GED 7838 - Teaching Physical Education in the Elementary School K-6
- GED 7840 - Teaching Social Studies in the Elementary School K-6
- GED 7846 - Teaching Literacy in the Elementary School K-6, Part I
- GED 7847 - Teaching Literacy in the Elementary School K-6, Part II
- GED 7851 - Teaching Science in the Elementary School
- GED 7852 - Teaching Math in the Elementary School
- GED 7872 - Exceptionality
- GED 7888 - English Learners in the Mainstream
- GED 7050 - Student Teaching Seminar
- GED 7885 - Student Teaching Elementary K-6

II. Secondary Teaching 5-12 or 9-12 Licensure Requirements

Secondary teaching licenses are available in the following areas: Communication Arts and Literature (5-12), Mathematics (5-12), Social Studies (5-12), Chemistry (9-12), Life Science (9-12), and Physics (9-12). Required content courses for students majoring in these content areas are listed in those departments' pages of this Bulletin. In some disciplines the special methods course(s) are only offered either Fall or Spring term. Students are urged to consult with their education department advisor for details.

- EDU 1150 - Schools and Society
- EDU 1150 - LAB: Schools and Society
- EDU 1250 - Educational Psychology
- EDU 3260 - Theory to Practice
- EDU 3500 - Diversity and Education
- EDU 3500 - LAB: Diversity and Education
- GED 7871 - Teaching Literacy in the Middle and Secondary School 5-12
- GED 7872 - Exceptionality
- GED 7888 - English Learners in the Mainstream
- GED 7050 - Student Teaching Seminar

Student Teaching (one of the following)

- GED 7894 - Student Teaching Secondary 9-12
- GED 7895 - Student Teaching Secondary 5-12

Methods courses by license area

Communication Arts and Literature 5-12

- GED 7857 - Teaching Communication Arts/Literature, Dance/Theatre Arts Part I
- GED 7870 - Teaching Communication Arts/Literature in the Middle and Secondary School Part II

Mathematics 5-12

- GED 7879 - Teaching Mathematics and Science in the Middle and Secondary School Part I
- GED 7880 - Teaching Mathematics in the Middle and Secondary School Part II

Social Studies 5-12

- GED 7858 - Teaching Social Studies in the Middle and Secondary School Part I
- GED 7873 - Teaching Social Studies in the Middle and Secondary School Part II

Chemistry/Life Science/Physics 9-12

- GED 7879 - Teaching Mathematics and Science in the Middle and Secondary School Part I
- GED 7874 - Teaching Science in the Middle and Secondary School Part II

III. K-12 Teaching Licensure Requirements

K-12 teaching licenses are available in the following areas:

Dance and Theatre Arts; English as a Second Language (ESL); World Languages and Cultures (German or Spanish). Required content courses for students majoring in these areas are listed in those departments' pages of this Bulletin. In some disciplines the special methods course(s) are only offered either Fall or Spring term. Students are urged to consult with their education department advisor for details.

- EDU 1150 - Schools and Society
- EDU 1150 - LAB: Schools and Society
- EDU 1250 - Educational Psychology
- EDU 3260 - Theory to Practice
- EDU 3500 - Diversity and Education
- EDU 3500 - LAB: Diversity and Education
- GED 7871 - Teaching Literacy in the Middle and Secondary School 5-12 (*ESL candidates meet the literacy requirement through ESL course work*)
- GED 7872 - Exceptionality
- GED 7888 - English Learners in the Mainstream (*ESL candidates are exempt from this course requirement*)
- GED 7050 - Student Teaching Seminar
- GED 7896 - Student Teaching K-12

Methods courses by license area

Dance and Theatre Arts K-12

- GED 7857 - Teaching Communication Arts/Literature, Dance/Theatre Arts Part I
- GED 7882 - Teaching Dance/Theatre Arts in K-12 Part II

English as a Second Language K-12

- GED 7878 - Teaching ESL and World Languages in K-12 Part I

World Languages and Cultures K-12

- GED 7878 - Teaching ESL and World Languages in K-12 Part I
- GED 7881 - Teaching World Languages in K-12 Part II

Teaching English as a Foreign Language (TEFL) Certificate

The TEFL Certificate prepares individuals to become effective teachers of English to speakers of foreign languages. Our faculty follow an interactive and hands-on approach that enables you to discover the principles and practices of

teaching English as a foreign language. During workshops and lectures, you will learn valuable and practical teaching methods and techniques. You will then apply what you learn as you and your peers work together to plan and teach lessons with a class of non-native English speakers. TEFL graduates have taught in over 50 countries around the world.

The 8-credit program may be completed in different formats. Students are encouraged to enroll in the yearlong day program:

- ESL 6621 - TEFL Certificate Part I (4 credits in fall term)
- ESL 6622 - TEFL Certificate Part II (4 credits in spring term)

There are also intensive evening and summer options (ESL 6620, 8 credits) available.

This program is by application. If you are a Hamline University undergraduate student, you must have junior or senior status at the start of the program, submit a short statement of purpose, and complete an interview with the lead faculty member, Betsy Parrish. Please email Professor Parrish for more information, bparrish@hamline.edu.

TEFL may be used towards the Applied Linguistics Minor with Advanced TEFL Certificate.

Special Programs

Academic Pre-Programs

Pre-Engineering

An undergraduate degree in physics is typically used to prepare students for a career in either physics or engineering, but students have also found it a useful starting point to prepare for careers in other fields. For example, students have successfully used their physics degrees from Hamline to proceed to medical school and law school, where they have continued that success.

Careers in physics or engineering typically fall into two categories, academia and industry. In either case, students are personally advised by physics faculty in order to tailor their coursework to best prepare for the career of their choice. This often involves students proceeding to graduate school in physics or engineering, where students build upon their broad liberal arts background by specializing in a more focused field.

Contact the Physics Department for more information.

Pre-Law

See information under Legal Studies.

Pre-Medical

The pre-medical program is part of Hamline's Pre-Health Program designed for students interested in the health science professions. Hamline graduates have set an enviable record in gaining admission to top medical, dental, veterinary and other professional schools nationally. The program advisors and other Hamline faculty are committed to supporting and encouraging the professional goals of all promising students who desire a career in the health professions. Pre-medical advisors assist students in career planning and designing a suitable program of study. A pre-medical committee consisting of faculty and staff aids students in applying to medical or other health science professional schools.

Students interested in the pre-medical program should contact one of the program advisors early in their first semester at Hamline.

For more information about the Pre-Medical Program or related pre-allied health programming (including pre-pharmacy, pre-vet, pre-dental, pre-nursing, etc.), see www.hamline.edu/cla/pre-medical/.

Advisors:

- Kathy Burleson, senior lecturer, Biology
- Rita Majerle, associate professor, Chemistry
- Irina Makarevitch, assistant professor, Biology

- Presley Martin, professor, Biology
- Betsy Martinez-Vaz, assistant professor, Biology
- Larry Masterson, assistant professor, Chemistry
- Bonnie Ploger, professor, Biology

Pre-Medical Requirements

The following list represents a standard core of undergraduate study required by most U.S. medical colleges. Students should inquire with pre-medical advisors about specific course requirements for various medical schools and professional training programs.

- one year college math
- one year college English
- one year college biology
- two years college chemistry (general chemistry and organic chemistry)
- one year college physics
- one semester biochemistry
- upper division courses in humanities and social sciences areas

In addition, some medical colleges require a course in analytical chemistry (CHEM 3240).

Coursework in genetics (BIOL 3050) and Cell Biology (BIOL 3060) is recommended. A suggested four-year sequence of Hamline courses for pre-medical students is outlined below. (Note: Premed students planning to major in Chemistry or Biochemistry should take Math 1170 and 1180 in the first year.)

Pre-Medical Course Sequence

First year fall term - Along with the first-year seminar and one elective course, students should complete:

- BIOL 1800 - Principles of Ecology and Evolution (if intending to major in Biology)
- CHEM 1130 - General Chemistry I or CHEM 1500 - Advanced General Chemistry (*Pre-med students should check with the schools they are applying to to be sure that CHEM 1500 will meet each school's general chemistry requirement.*)

First year spring term - Along with one elective course, students should complete:

- BIOL 1820 - Principles of Plant and Animal Physiology
- CHEM 1140 - General Chemistry II (unless CHEM 1500 was completed in fall term)
- ENG 1110 - Writing and Reading Texts

Second year fall term - Along with one elective course, students should complete:

- BIOL 3050 - Principles of Genetics
- CHEM 3450 - Organic Chemistry I
- MATH 1170 - Calculus I

Second year spring term - Along with one elective course, students should complete:

- BIOL 3060 - Principles of Cell Biology
- CHEM 3460 - Organic Chemistry II

and one approved statistics or mathematics course:

- MATH 1200 - Applied Modeling and Statistics
- MATH 1180 - Calculus II
- PSY 1340 - Statistics for the Behavioral Sciences
- QMBE 1310 - Statistics

Third year fall term - Along with major and elective courses, students should complete:

- BIOC 3820 - Biochemistry I
- PHYS 1230 - General Physics I

Third year spring term - Along with major and elective courses, students should complete:

- PHYS 1240 - General Physics II

Fourth year fall term - Students should complete major and elective courses.

Fourth year spring term - Students should complete major and elective courses.

Choice of Major

Pre-medical students may choose from any of Hamline's major fields. While many pre-medical students declare a major in biology, chemistry, or biochemistry, Hamline students who combine the required pre-medical coursework with a major in another area (e.g., philosophy or psychology) have been equally successful in gaining admission into medical school.

Application Procedure

Ideally, students should complete the pre-medical core of studies by the end of their third year. In the third year, students take the Medical College Admission Test (MCAT). Also at that time, students begin the process of submitting required materials to the Hamline pre-medical committee for their medical school application file. Students must select the schools to which they wish to apply, must secure 4-5 letters of reference from faculty and others, and must compose their personal statement, describing their genuine commitment to the medical profession. Success in gaining entrance to medical school is enhanced by several factors: (1) a high cumulative grade point average; (2) a high MCAT score; (3) indication of personal strengths, social and communication skills; and (4) commitment toward a medical career (as evidenced by participation in medically related extracurricular and volunteer activities).

Inter-College Cooperation and Cross-Registration (ACTC)

Hamline University participates in a consortium of five Twin Cities private liberal arts colleges (Hamline, Macalester, St. Catherine, and St. Thomas in Saint Paul, and Augsburg in Minneapolis) called the Associated Colleges of the Twin Cities (ACTC). The ACTC combines the community atmosphere of a small liberal arts college with the diversity of opportunities of a large university. The purpose of the consortium is to employ the strengths of each college to the best advantage of all. Programs such as those in East Asian Studies, Latin American

Studies, and Women's Studies have been facilitated as a result of the cooperative arrangement. Cross-registration is available without additional cost to the student, provided the coursework is relevant to a Hamline degree. During each year 1,500 to 2,500 students from the five colleges cross-register. For more information see the Academic Standards and Policies section or contact Student Administrative Services (East Hall 113). Information is also available at www.hamline.edu/actc.

International Study Programs (including Hamline in York)

Hamline encourages students to pursue study abroad, a popular and transformative experience that helps students become "compassionate citizens of the world." Interested students should make an appointment to meet with a study abroad advisor one year before they intend to study abroad. They will receive information regarding Hamline's approval deadlines, the various options for study abroad, and how to proceed in choosing which option is best for them.

Students interested in a longer and more immersive experience should consider semester long off-campus abroad options. Hamline offers its own program, Hamline in York, in partnership with the University of York. Other programs that Hamline students may participate in include the International Student Exchange Program (ISEP) that enables students to study in over 42 countries on a direct enrollment basis. Other bilateral exchanges include University of Trier in Germany, International College of Liberal Arts in Kofu, Japan, University of Cienfuegos in Cuba, Akita International University in Japan, United International College in China, Shanghai University of International Business and Economics in China and the Catholic University in Valparaiso, Chile. Students whose needs cannot be met through an exchange program should meet with the study abroad advisor to discuss other programs where Hamline is a member or has an affiliation. These would include such organizations as the Higher Education Consortium for Urban Affairs, Inc. (HECUA), the Council on International Education (CIEE), and School for International Training (SIT). Many other programs, from other universities and international organizations, would also be considered appropriate choices and can be discussed with the study abroad advisor.

Students interested in semester long off-campus abroad options must realize that these are very competitive opportunities. Those eligible to apply for Hamline approval must have at least a 3.0 GPA, plan to study in their major or minor field, and demonstrate how the study abroad program will enhance their academic goals. The application process begins in the Global Engagement Center and should be completed by the end of the fall term one year before the expected experience overseas.

Upon approval of the application, each student will be authorized to study for one semester abroad. Exceptions may be made if a student participates in any of the exchange programs or demonstrates a special need for taking a full academic year abroad. Students can take their study abroad semester at any time during their studies at Hamline except for their first year or the last semester of their senior year. (Under special circumstances a student may petition.) However, study abroad is strongly encouraged for a student's junior year.

Hamline also offers shorter study abroad options during the winter term, in January, and after commencement, in May. These courses are led by Hamline faculty and are designed to serve the largest possible number of students from diverse academic backgrounds. Courses proposed in the past have included Law and Justice in Australia, Germany in the 21st Century, Tropical Ecology of Costa Rica; The Ancient and Modern Maya of Yucatan (in Mexico); and the Arab-Israeli Conflict. Hamline also offers extended May term courses that have the same structure as Winter term, but run from the end of May until mid-June.

The last option to mention is the possibility of studying abroad over the summer. Again, there are many different programs that may be used, including any Hamline faculty-led spring/summer term(s) that may be available. Talk with staff at the Global Engagement Center for more details.

For all of the approved study abroad options mentioned above, credit can transfer back to the Hamline academic record. Students may also be able to use their financial aid to help finance their programs.

National Programs

The emphasis on individual and international studies is supplemented by other programs planned to increase educational opportunities for Hamline students. This is in keeping with the university desire to provide flexibility and variety within its educational objectives. Initial contact for these programs should be made with the off-campus programs/study abroad office.

Metro Urban Studies Term - Students participate in an urban studies program that enables them to use Hamline's metropolitan environment as a social laboratory for study and experience, through a 20-college Higher Education Consortium for Urban Affairs (HECUA). Students may participate in the consortium-sponsored Metro Urban Studies Term.

City Arts (HECUA) - Through the Higher Education Consortium for Urban Affairs, students participate in a semester-long study program, which includes an internship placement. The internship provides hands-on experience in the arts at projects or agencies addressing social issues.

Washington Semester - In cooperation with the American University in Washington, DC, Hamline chooses two students of high standing each year to spend a semester in residence in Washington taking courses and working on a project under the direction of the faculty of the American University.

Courses

ACCT 1310 - Accounting Principles I

Goals: To introduce students to the recording process used to develop the income statement and balance sheet as well as to accounting information systems and internal controls used by corporations for the detection of fraud.

Content: The foundations of financial and managerial accounting are designed to be taken as two sequential courses. In this first course, students will gain an in-depth exposure to inventory, receivables, plant assets and current, as well as long-term liabilities. As an alternative entity form to corporations, the course also examines accounting for partnerships. It is highly recommended that students take Accounting Principles II upon completion of this course.

Credits: 4

ACCT 1320 - Accounting Principles II

Goals: To further students' financial reporting knowledge with shareholders' equity, investments and the Statement of Cash Flows.

Content: This is the second course in the Accounting Principles series and builds on knowledge gained in the first course. To reinforce the topics of financial accounting, students are given the opportunity to use their knowledge to perform financial statement analysis. The course continues with managerial accounting which gives students the opportunity to learn the various methods used to cost out goods and services: job order, process costing, variable costing and standard costing. A focus on cost behavior, budgeting and internal decision making will give the student the opportunity to develop practical skills applicable to all business majors.

Prerequisite: ACCT 1310 (grade of C- or better)

Credits: 4

ACCT 3010 - Intermediate Accounting I

Goals: Exposes students to the financial reporting system providing information for global resource allocation decisions embodied in U.S. Generally Accepted Accounting Principles (GAAP) and International Financial Reporting Standards (IFRS).

Content: This course is first in a two part sequence, and focuses on the asset side of the balance sheet. Topics include the review of the basic financial statements, time value of money, receivables, property, plant and equipment, and intangibles.

Prerequisite: ACCT 1310 (grade of C- or better)

Credits: 4

ACCT 3020 - Intermediate Accounting II

Goals: Building on the knowledge students gained in ACCT 3010, this second course in a two art sequence focuses on

the liability and shareholders' equity side of the balance sheet.

Content: Topics include current liabilities, bonds, leases, deferred taxes, pensions and investments, as well as an in-depth look at the statement of cash flows.

Prerequisites: ACCT 1320 and ACCT 3010 (grades of C- or better)

Credits: 4

ACCT 3030 - Cost Accounting

Goals: An expansion of ACCT 1320, this course uses the principles and techniques used to account for and analyze costs incurred to produce goods or services.

Content: Topics include job order, process, standard and variable costing techniques, in addition to cost-volume-profit relationships and budgeting techniques to forecast costs. Emphasis is placed on decision making using the various costing techniques.

Prerequisite: ACCT 1320 (grade of C- or better)

Credits: 4

ACCT 3310 - Triple Bottom Line

Goals: Introduce students to the Triple Bottom Line approach assessing profit, social, and environmental impacts.

Familiarize students with current approaches to measuring TBL outcomes, including GRI standards and Life Cycle Assessment.

Content: Introduction to Triple Bottom Line accounting and comparison with Balanced Scorecard approach. Consideration of competing/overlapping priorities among profits, people, and the planet, review of B Corps, Sustainability/Corporate Social Responsibility Indices and Investing, and organizational culture around sustainable initiatives.

Prerequisite: ACCT 1320 and MGMT 3100 (grades of C- or better)

Credits: 4

ACCT 5020 - Business Taxation

Goals: The theory and practical application of federal income tax for individuals, partnerships and corporations under the laws enacted in the Internal Revenue Code.

Prerequisite: ACCT 1320 or LGST 1110 (grades of C- or better)

Credits: 4

ACCT 5030 - Advanced Accounting

Goals: Advanced topics in accounting which include mergers and acquisitions, consolidated statements for a parent and subsidiary, foreign exchange, partnerships and bankruptcy.

Content: Students will also gain exposure to non-profit and governmental accounting.

Prerequisite: ACCT 3020 (grade of C- or better)

Credits: 4

ACCT 5040 - Auditing

Goals: A study of the methods used to improve the quality of information for decision makers. Reliability of financial statements is essential for markets to function efficiently.

Content: This course covers the processes and controls used to manage and operate businesses, assertions and agreements made to third parties, and regulatory compliance.

Prerequisite: ACCT 3020 (grade of C- or better)

Credits: 4

ANTH 1100 - World Prehistory

Goals: To introduce students to the fascinating story of humanity's deep history as told by archaeology. Students will also gain competency in the critical evaluation of scientific claims and archaeological knowledge.

Content: Survey of over four million years of human prehistory from our earliest hominid ancestors to the rise of ancient states. Topics include the first stone tools and the emergence of human culture, Neanderthals, Upper Paleolithic art, the origins of agriculture, the building of monumental architecture, and culminating with the first states, including those of Mesopotamia, Egypt, China and Mexico. We will also consider how archaeologists study the past through laboratory exercises, field assignments, and a computer simulation.

Taught: Alternate years, winter term

Credits: 4

ANTH 1160 - Introduction to Anthropology

Goals: To introduce the approaches and perspectives of the anthropological study of human beings. To survey the ways human cultures shape and are shaped by historical, environmental, biological and social forces. To introduce the importance of context in social research.

Content: Introduces key concepts, basic content, approaches and key questions of sociocultural anthropology, archaeology, biological anthropology and linguistic anthropology. Provide students with a working knowledge of categories of key anthropological vocabulary, research orientations and practices. Consistent with the anthropology department's commitment to high impact, experiential learning, this class includes regular field exercises requiring students to apply class content outside of the classroom.

Taught: Annually, both semesters

Credits: 4

ANTH 1200 - Introduction to Field Methods in Archaeology

Goals: To introduce the methods and theory of field archaeology as part of an on-site excavation project.

Context: Varies depending on type of site being excavated. Basic techniques covered include survey, mapping, record keeping, excavation and field conservation.

Taught: Annually, summer term

Credits: 4

ANTH 1200 - LAB: Introduction to Field Methods in Archaeology

This lab must be taken concurrently with the ANTH 1200 lecture.

Credits: The lab itself has zero credit value.

ANTH 1240 - The Ancient Maya

Goals: To have a focused exploration of the various epistemologies related to how we know what we know about the ancient Maya of Mesoamerica. To document the ancient cultural trajectories of the Maya region from the earliest human colonization during Pleistocene times through the arrival of the Spanish in the sixteenth century. To become familiar with and to compare archaeological and ethnohistoric information, theories, and controversies related to the emergence and sustainability and eventual collapse of ancient Maya civilization, and as well, to recognize the cultural continuities characterizing modern Maya descendent communities.

Content: The ancient Maya culture flourished in what are now southern Mexico, Guatemala, Belize, and parts of adjacent Honduras and El Salvador. There in southern Mesoamerica—in a tropical environment viewed by many as "hostile"—we find monumental architectural complexes, a refined great art style, and evidence of a truly impressive and sophisticated civilization. The Maya region has evidence of some of the largest and most densely packed populations known until the advent of industrialization and modern medical advances. Their "experiment" in civilization had some fatal flaws that brought about their downfall around A.D. 900—centuries before the arrival of the Europeans. We stand to learn much from their experience.

Taught: Alternate years, fall term

Prerequisites: None; ANTH 1160 is recommended

Credits: 4

ANTH 1300 - Ethnography: Text and Film

Goals: To introduce students to written and cinematic ethnography, the representations of the peoples and cultures that anthropologists produce. To introduce students to basic anthropological concepts and current debates concerning the ethnographic representation of cultures.

Content: Ethnography is the primary method by which sociocultural anthropologists communicate the results of their investigations into the cultures they study. This course will investigate ethnography—both written and pictorial—as a means of communicating cross-cultural difference. A close reading of ethnography is combined with screenings of numerous ethnographic films, a selection of key theoretical articles, lecture and discussion to understand the relationship between media and the representation of

culture. How does one translate experience into text or images? Is "culture" the source or the product of these attempts? How do anthropological attempts at representing culture in ethnographic books and film relate to fiction and entertainment?

Taught: Alternate years, winter term

Credits: 4

ANTH 1530 - Human Evolution

Goals: To understand the process of biological evolution and the evolution of the human species.

Content: Study of evolutionary theory, population genetics, comparative primate anatomy and behavior, evolution of social behavior, fossil evidence for primate and hominid evolution, origins of bipedalism, tools.

Taught: Annually

Credits: 4

ANTH 1530 - LAB: Human Evolution

This lab must be taken concurrently with the ANTH 1530 lecture.

Credits: The lab itself has zero credit value.

ANTH 3030 - Topics in Sociocultural Anthropology

Goals: To study topics in the subdiscipline of sociocultural anthropology. Intended primarily for anthropology majors or those interested in majoring in anthropology.

Content: Focus varies. While the specific topic of the course may vary from year to year, ANTH 3030 will focus on studying humans as social and cultural beings. The approaches that sociocultural anthropologists take to the study of human beings are many, varied and occasionally contentious. With this in mind, this course will take up a specific topic and examine it using various approaches—emphasizing the ways that humans make, remake and represent meanings and behaviors in social and cultural contexts. The class will discuss anthropological approaches to research and the ethnographies that sociocultural anthropologists typically produce. Recent examples: Museums, Exhibitions, and Representation and Anthropology of Travel and Tourism.

Taught: Annually, Fall semester

Prerequisite: One 1000-level ANTH course or consent of instructor (ANTH 1160 is recommended)

Credits: 4

ANTH 3040 - Topics in Archaeology

Goals: To study topics in the subdiscipline of archaeology. Intended primarily for anthropology majors or those interested in majoring in anthropology.

Content: Focus varies. While the topic covered in this course may vary from year to year, all versions of ANTH 3040 will provide students with an understanding of archaeological method and theory including how archaeologists study landscapes, settlement patterns, and material remains to

understand human history and human culture. Instructors will use a case-study approach (i.e. pre-contact North American archaeology, historical North American archaeology, or archaeology of the modern world) to help students understand the nature of human variation and diversity as culturally, biologically, linguistically, historically, and geographically situated. As part of this course students will develop writing and research skills such as writing a literature review, an annotated fiction, and a heritage preservation proposal. Recent example: North American Archaeology.

Taught: Annually, Fall semester

Prerequisite: One 1000-level ANTH course or consent of instructor (ANTH 1160 is recommended)

Credits: 4

ANTH 3050 - Topics in Linguistic Anthropology

Goals: To study topics in the subdiscipline of linguistic anthropology. Intended primarily for anthropology majors or those interested in majoring in anthropology and/or minoring in linguistics.

Content: Focus varies. While the topic of this course may vary from year to year, all variations of ANTH 3050 will introduce students to the anthropological study of human language in its sociocultural context. We will explore the social and cultural dimensions of language in general and (a) language(s) in particular. Key concepts include language as system, language as performance, semiotic mediation, social context, indexicality, and language ideology. Some readings are theoretical, others ethnographic, drawn from a variety of speech communities and communities of practice around the world. Writing assignments range from sociolinguistic field observations and autobiographies to book reviews and analytical essays. Recent example: Language, Culture, and Society.

Taught: Annually, Spring semester

Prerequisite: One 1000-level ANTH course or consent of the instructor (ANTH 1160 is recommended)

Credits: 4

ANTH 3060 - Topics in Biological Anthropology

Goals: To study topics in the subdiscipline of biological anthropology. Intended primarily for anthropology majors or those interested in majoring in anthropology.

Content: Focus varies. While the topic of this course may vary from year to year, all variations of ANTH 3060 will explore the complexity of the relationship between biology and culture and the impact of culture change on human biology. Biological anthropologists believe that human biology must be understood in the context of the associated culture. With this in mind, a variety of different methods and theories will be introduced during the class to provide a framework from which to interpret and explain human behavior practiced by human societies in the past and present. As part of this course, students will develop oral

communication skills commonly engaged in by biological anthropologists including presentational speaking at an academic conference (a mock conference with 3 – 4 presenters, a moderator, and question/answer session), group discussion of published literature, and proposal presentation to affiliated interested parties, i.e. descendant community members and governmental agencies. Recent example: Bioarchaeology.

Taught: Annually, Spring semester

Prerequisite: One 1000-level ANTH course or consent of instructor (ANTH 1160 is recommended)

Credits: 4

ANTH 3100 - Principles of Archaeology

Goals: To understand principles of archaeology--the varying ways archaeologists recover, analyze, and interpret information about the past. To gain proficiency in general scientific practices, reading archaeological literature, and grant writing. To consider ethical and practical issues in the management of cultural resources, such as why preserve heritage sites, and how to balance the sometimes conflicting views, voices, and histories found in our contemporary world.

Content: Archaeologists are "time detectives" sifting through the material traces of past lives in order to better understand human behavior and human history. Using films, slides, artifacts, and readings, this course focuses on current methods and theories used in American archaeology. Students apply their knowledge by writing a research design as a final project.

Taught: Alternate years

Prerequisite: ANTH 1160

Credits: 4

ANTH 3120 - Experimental Archaeology

Goals: To teach students advanced archaeological theory and laboratory methods. Students, working in teams, will design and implement research projects in ethnoarchaeology and/or experimental archaeology.

Content: One of the principle challenges faced by archaeologists wanting to learn about past human cultures is how to study the behavior of humans whom we cannot directly observe, but only understand through the physical clues they left behind. Ethnoarchaeology and experimental archaeology are two powerful tools that help archaeologists meet this challenge. Ethnoarchaeology, observing contemporary human behavior, and experimental archaeology, research that replicates under controlled conditions, behavior of interest, provide insight into the relationships between specific human actions and the archaeological evidence of these actions. The content of this course will include readings extracted from classic examples of experimental and ethnoarchaeological research. We will also engage in advanced laboratory analyses in order to identify specific research questions that

students wish to address through their own experimental or ethnoarchaeological research project. Students who have taken an archaeological field methods or laboratory methods course are strongly encouraged to register.

Taught: Alternate years

Prerequisite: ANTH 1160 or consent of instructor

Credits: 4

ANTH 3130 - Excavating Hamline History

Goals: To have students participate as part of an interdisciplinary team excavating a historic site on or near campus. This archaeological excavation is part of research focused on the early history of "Hamline Village." It is also a public archaeology project with the goal of involving people from throughout the local community including Hancock Elementary students, neighborhood residents, and University alumni.

Content: Students learn basic archaeological field and laboratory methods, principles of historic archaeology, and anthropological approaches to material culture studies through readings and lectures, but primarily through participation. This course emphasizes archaeology as a holistic discipline linking the humanities, fine arts, social sciences, and natural sciences. Students help provide this interdisciplinary perspective by contributing to the overall research, educational, and public archaeology goals through individual and collaborative projects.

Taught: Alternate years

Prerequisite: Consent of the instructor

Credits: 4

ANTH 3210 - Advanced Field Methods in Archaeology

Goals: To gain additional competence in, and advanced theoretical understanding of, the field methods in archaeology.

Content: Students learn how to map using an alidade or transit and are trained in field photography, flotation techniques, soil sampling and planning excavation strategy.

Taught: Annually, summer term

Prerequisite: ANTH 1200

Credits: 4

ANTH 3220 - Laboratory Techniques in Archaeology

Goals: To introduce laboratory methods in archaeology.

Content: Basic laboratory techniques including accessioning procedures, artifact analysis, preservation techniques and a basic introduction to cartography, photography and faunal/floral analysis.

Taught: Annually

Prerequisite: ANTH 1160

Credits: 4

ANTH 3220 - LAB: Laboratory Techniques in Archaeology

This lab must be taken concurrently with the ANTH 3220 lecture.

Credits: The lab itself has zero credit value.

ANTH 3240 - Ancient and Modern Maya of Yucatan

Goals: To directly familiarize the students with the prehistory, history, and present-day conditions of the Maya of the Yucatan Peninsula of southern Mexico. The ancient Maya constructed large architectural complexes and were able to sustain some of the largest, most densely-packed populations the world has known until the advent of industrialization and modern medical advances. They were accomplished astronomers and mathematicians. They provide us with an example of a culture that developed a complex state and civilization in an environment many view as "hostile." Their "experiment" in civilization had some fatal flaws that brought about their downfall around A.D. 900—centuries before the arrival of the Europeans. We stand to learn much from their experience.

Content: Using on-site visits to archaeological and historical sites, museums, to modern Maya communities, students become acquainted with the prehistory, history, and the rural-to-urban ethnographic spectrum of the Maya people of Yucatan. Students are confronted by a variety of alternative explanations and issue-oriented perspectives that deal specifically with the Maya area.

Taught: Alternate years, winter term in Yucatan, Mexico

Credits: 4

ANTH 3250 - Ancient Civilizations of the Mexican Highlands

Goals: To directly familiarize students with the ancient civilizations of central Mesoamerica as well as with the history and present-day conditions of the peoples of central Mexico. At sites such as Teotihuacan, Tula, El Tajin, Xochicalco, Monte Alban, and Mexico/Tenochtitlan students will have an opportunity to see firsthand the large archaeological sites that testify to the emergence of the varied ancient civilizations of the Mexican highlands ranging from the Olmec--the suggested "parent" culture of Mesoamerica--to that of later Teotihuacan, the Totonac, Zapotec, Mixtec, Toltec, and finally Aztec cultures.

Content: Using on-site visits to archaeological and historical sites, museums, and modern Mexican highland indigenous communities, students become acquainted with the prehistory, history, and the rural-to-urban ethnographic spectrum of the cultures of central Mexico. Students are confronted by a variety of alternative explanations and issue-oriented perspectives that deal specifically with the central area of Mesoamerica.

Taught: Alternate years, extended spring term in central Mexico

Credits: 4

ANTH 3270 - Exploring Ancient Southeast Asia

Goals: To directly familiarize students with the evidence for the emergence and development of the prehistoric cultures of Mainland Southeast Asia by focusing on the rich archaeological record found in Thailand, Cambodia, and their neighbors. To acquaint students with the history and present-day conditions of the peoples of that area.

Beginning with early sites such as Ban Chiang and the Pha Taem Rock Paintings site through later complex sites such as Phimai, Phanom Rung, Angkor, Sukhothai, and Ayutthaya, students have an opportunity to see firsthand the major archaeological sites that testify to the emergence of the varied ancient civilizations of Southeast Asia—ranging from the earliest village sites through the impressive architectural and hydraulic management legacies of Khmer domination, through the period when Thai civilization was born and came to politically and culturally dominate much of the Southeast Asian mainland.

Content: Using on-site visits to archaeological and historical sites, museums and modern indigenous communities, students become acquainted with the prehistory, history, and the rural to urban ethnographic spectrum of the cultures of Southeast Asia. Students are confronted by a variety of alternative explanations and issue oriented perspectives that deal specifically with Mainland Southeast Asian concerns.

Taught: Alternate years, winter term in Southeast Asia

Credits: 4

ANTH 3280 - Ancient Civilizations of Southeast Asia

Goals: To offer an interdisciplinary survey of the complex cultural diversity that characterized ancient Southeast Asia (Cambodia, Thailand, Laos, Vietnam, Myanmar, Malaysia, Indonesia). To be aware of, to be able to synthesize, and to be able to evaluate how archaeological anthropologists have employed analytical techniques and systemic perspectives to understand prehistoric traditions culminating in the formation of the complex societies and states of ancient Southeast Asia.

Content: Comparative archaeological and primary and secondary historical information, theories, and controversies related to the origins of the various cultures and civilizations (ancient Hoabinhian, Ban Chiang through later Khmer, Thai, Burmese, Malay, Indonesian cultures) that flourished in ancient Southeast Asia from the earliest human colonization during Pleistocene times to the arrival of Islam and the European powers.

Taught: Alternate years

Prerequisite: ANTH 1160

Credits: 4

ANTH 3300 - Ethnographic Research Methods

Goals: This course surveys the variety of ethnographic research methods and techniques used by anthropologists. It builds on the foundation of the fieldwork exercises

introduced in introduction to anthropology though a much more detailed examination of the work anthropologists do and the nature of the data they collect.

Content: This course will cover both the practical aspects of actual ethnographic research—the methods and skills of anthropological fieldwork—and review theoretical examinations and critiques of the work anthropologists do. We will discuss formulating research questions, writing a research proposal and collecting data in sociocultural contexts (through, for example, written fieldnotes, interviews, observations, translation, visual techniques and archival research.) We will also read some outstanding ethnographies.

Taught: Alternate years, fall semester

Prerequisite: ANTH 1160 or consent of the instructor

Credits: 4

ANTH 3310 - Ancient Civilizations of Middle America

Goals: To offer an interdisciplinary survey of the complex cultural diversity that characterized ancient Mesoamerica (central to southern Mexico, Guatemala, Belize, Western Honduras, El Salvador). To be aware of, to be able to synthesize, and to be able to evaluate how archaeological anthropologists have employed analytical techniques and systemic perspectives to understand prehistoric cultural dynamics that contributed to the rise of the various prehistoric complex societies of ancient Middle America.

Content: Comparative archaeological and ethnohistorical information, theories, and controversies related to the various cultures and civilizations (Olmec, Zapotec, Mixtec, Totonac, Teotihuacan, Maya, Toltec, Aztec) that flourished in Mesoamerica from the earliest human colonization during Pleistocene times through the arrival of the Spanish in the sixteenth century.

Taught: Annually

Prerequisite: ANTH 1160

Credits: 4

ANTH 3340 - Exploring the Ancient Civilizations of Peru

Goals: To directly familiarize students on site in Peru with the prehistory, history, and present day conditions of the peoples of Andes, their diverse ecosystems ranging from the arid coastal deserts to the high mountains. Ancient civilizations in the Andes attained a high degree of sophistication, producing large architectural complexes, a wide range of artistic and craft forms, and complex political organizations, culminating in the Inca Empire. This course will provide comparative archaeological and ethnohistorical information, theories, and controversies related to the various cultures and civilizations that flourished there (Chavin, Cupisnique, Chimu, through that of the Quechua-speaking Inca) from the earliest human colonization during Pleistocene times through the sixteenth century arrival of Francisco Pizarro to current times.

Content: Using on-site visits to archaeological and historical sites, museums, and to modern rural through urban communities, students will become aware of, be able to synthesize, and be able to evaluate how archaeological anthropologists have employed analytical techniques and systemic perspectives to understand prehistoric cultural dynamics that contributed to the rise of the various complex societies of ancient Peru. In addition to archaeological concerns, students become acquainted with the diverse ecologies and the rural-to-urban ethnographic spectrum of the cultures of contemporary Peruvian Andean life. Students are confronted by a variety of alternative explanations and issue oriented perspectives that deal specifically with the Andean region.

Taught: Alternate years, winter term in Peru

Prerequisite: None; ANTH 3470 is recommended

Credits: 4

ANTH 3370 - Minnesota Archaeology

Goal: To study the 10,000-year history of the peoples and cultures of what is now Minnesota, with special emphasis on American Indian history from glacial times through the European invasion and the treaty period of the 1800s.

Content: Examination of changing perceptions of American Indian history. Material culture is examined in relationship to environment and life ways. The role of the world view and spirituality in harmonizing lifestyle with the environment.

Taught: Alternate years

Prerequisite: ANTH 1160

Credits: 4

ANTH 3420 - African Ensemble

Goal and content: Performance of African and Afro-American drum ensemble styles involving vocal performance as well as indigenous instruments.

Taught: Annually

Prerequisite: None

Credits: 1

ANTH 3430 - Transnational Migration and Diasporic Communities

Goals: To understand the migratory routes, transnational linkages, and imaginative connections maintained by globally dispersed peoples in the contemporary world. To prepare sensitive and informed global citizens ready to apply their understandings to address social and political issues of the day.

Content: Interdisciplinary approach to the study of migration and diasporas. Instructor introduces theoretical perspectives. Instructor and guest experts present model case studies. Students research and present additional case studies.

Taught: Alternate years

Prerequisite: ANTH 1160 or GLOB 1910

Credits: 4

ANTH 3440 - Human Osteology and Skeletal Identification

Goals: To develop a basic knowledge of human osteology, including human bone identification and human functional anatomy. To understand the methods and techniques for skeletal identification and for the reconstruction of life histories from bone that may be applied in both recent forensic and ancient archaeological contexts.

Content: Human osteology, functional anatomy, bone biology, techniques for determination of age-at-death, sex, stature and for identifying skeletal indicators of biological affinity, trauma, disease and general health. A case study approach leads to the production of a forensic or osteobiographical report on a set of skeletal remains.

Taught: Annually

Prerequisite: ANTH 1160 or consent of the instructor

Credits: 4

ANTH 3440 - LAB: Human Osteology and Skeletal Identification

This lab must be taken concurrently with the ANTH 3440 lecture.

Credits: The lab itself has zero credit value.

ANTH 3460 - From Development to Globalization

Goals: This course surveys the socio-cultural, economic, political relationships that bind the lives of those at the global center with those at the periphery--offering historical and contemporary contexts for understanding the profound disparities in wealth, health, life expectancy, population density, and access to opportunity evident in our world.

Content: Socio-cultural and historical contexts are introduced and investigated through an emphasis on primary sources, theoretical essays and course lectures, supplemented with two ethnographic case studies. Throughout the course students will be challenged to understand the context of the contemporary world system and their place in it. Drawing broadly on contemporary literature from economics, political science, rural sociology, and anthropology this course will focus on issues such as: post-coloniality, the global division of labor, global production, cultures of consumption, global poverty, Cold War developmentalism, intellectual property issues, post-modernism, and social responses to globalization.

Taught: Annually

Prerequisite: ANTH 1160 or consent of the instructor

Credits: 4

ANTH 3470 - Prehistory of the Non-Mediterranean World

Goals: To survey and become aware of the complex diversity of cultural developments that occurred outside of the mainstream of the Western tradition. To compare the early culture histories of the non-Western world as well as the related interpretative theories.

Content: Comparative archaeological information, theories and controversies related to cultural developments in the

following areas: (1) Middle East (Early Foundations), (2) South Asia (principally India), (3) East Asia (China, Korea, and Japan), (4) Mainland and insular Southeast Asia (Early Foundations), (5) Oceania, (6) Sub-Saharan Africa, (7) Central America, (8) Andean South America, (9) Temperate Europe (north and beyond the Roman Empire), and (10) the Lowlands of South America.

Taught: Alternate years

Prerequisite: ANTH 1160

Credits: 4

ANTH 3480 - Cultural Ecology

Goal: To discuss and analyze how anthropologists have developed and applied the ecosystem concept to questions about how modern and ancient peoples have interacted with their environment. To understand how anthropologists have developed systems models of cultures as finely attuned adaptive systems. To learn how to develop explanatory models that relate cultural behavior to ecological considerations.

Content: The comparative development of human cultural adaptive strategies to the major ecosystems of this planet: arctic, arid zone, grasslands (temperate and tropical), high altitude systems, and forests (boreal, temperate, and tropical). The methodologies and techniques employed in cultural ecological studies.

Taught: Alternate years

Prerequisite: ANTH 1160

Credits: 4

ANTH 3500 - Forensic Anthropology

Goals: This course will introduce students to the scope of knowledge, theories, and skills forensic anthropologists bring to forensic death investigations. Students will develop and practice problem solving and critical thinking through close observation, evidence analysis, and presentation of results through written reports and oral testimony.

Content: Location and recovery of remains, death scene investigation, dental analysis, time-since-death estimates, interpretation of trauma and pathology, and applications to international human rights violations. In addition, students will critically evaluate the scientific foundation of analytical techniques applied by forensic anthropologists. Results of investigations performed during class will be presented in both oral and written form.

Taught: Alternate years

Prerequisite: ANTH 1160 or CJFS 3400 or consent of the instructor

Credits: 4

ANTH 3500 - LAB: Forensic Anthropology

This lab must be taken concurrently with the ANTH 3500 lecture.

Credits: The lab itself has zero credit value.

ANTH 3530 - Culture, Illness, and Health

Goals: To introduce students to the subdiscipline of medical anthropology, and to study health, illness, and healing from a cross-cultural perspective.

Content: The study of affliction and healing in non-Western as well as Western societies; ways in which the social construction of well-being affects therapy managing strategies across a range of human societies; analysis of how power is utilized to privilege some sectors and deprive other groups of basic standards of community health; and the meaning of signs of sickness and suffering as a way of interpreting their relationship to broader social themes including technology, ritual, and religion. The course is designed to provide students with a framework for understanding the historical and social construction of healing practices and beliefs.

Taught: Alternate years

Prerequisite: Previous coursework in anthropology or the social sciences

Credits: 4

ANTH 3570 - Religion, Culture, and the State

Crosslisted: Also listed as REL 3570

Goals: To introduce students to the sociopolitical and intellectual issues posed by the intersection of claims on and by people in the name of "religion," "culture," and "the state." To investigate the contested relationship between modern nation-states and religions. To prepare sensitive and informed global citizens ready to apply their understandings to address issues of the day.

Content: Theoretical and methodological discussion, followed by case studies presented by guest experts and by students.

Taught: Alternate years

Prerequisite: ANTH 1160 or REL 1100 or GLOB 1910

Credits: 4

ANTH 3580 - Cultural Psychology

Goals: To investigate the ways in which culture and psyche make each other up, and to gain experience conducting interviews.

Content: Beginning with the premise that all psychologies are "ethno-psychologies" and systems of health care are best understood when approached through the matrix of culture, this course will explore a wide range of issues broadly construed under the category of cultural psychology and mental health. Lectures and readings focus on the "borderland" between anthropology, psychiatry/psychology, and medicine. Students conduct person-centered ethnographic interviews in order to analyze the ways individuals tend to think of themselves in relation to their cultural worlds.

Taught: Alternate years

Prerequisite: ANTH 1160 or PSY 1330

Credits: 4

ANTH 3610 - Visual Anthropology

Goals: This course examines the ways culture and society are represented and imagined visually. While we will primarily focus on photography and film, we will also look more broadly at the visual aspects of culture as it intersects with material culture, media and the digital. A central concern will be to examine the ways that these technologies construct knowledge and understanding of ourselves and others.

Content: The course emphasizes equal parts of theory and practice. Film screenings and theoretical works will provide a foundation for members of the class to make their own films. The last half of the semester will engage students individually and in groups with creating documentary research projects using visual research methods.

Taught: Once per year

Prerequisite: ANTH 1160 or SOC 3000 or consent of the instructor

Credits: 4

ANTH 5260 - Anthropological Thought and Theory

Goals: To become familiar with the kinds of explanations and methods anthropologists have used and/or are currently using to analyze cultural phenomena. To develop critical thinking.

Content: Theoretical statements and exemplary analyses covering a spectrum of approaches employed by 19th and 20th century anthropologists.

Taught: Annually

Prerequisites: At least two 3000-level anthropology courses

Credits: 4

ANTH 5270 - Senior Seminar

Goals: The goal of the course is to provide anthropology majors, in the final semester of their senior year, the opportunity to bring together the variety of content and knowledge from various anthropology courses they have taken to broadly address theoretical or conceptual issues of contemporary relevance in anthropology.

Content: Taught in a seminar format, it is intended as a capstone class in the major that emphasizes active student discussion, critique and the production of high quality written work. This course is intended to reaffirm the learning objectives of the anthropology program, and to be a gateway to using anthropological knowledge beyond the university in the world of work, or professional training in the discipline.

Taught: One senior seminar is offered in rotation by an anthropology department faculty member during the spring semester of each year

Prerequisites: ANTH 1160 and at least one 3000-level anthropology course, or consent of the instructor

Credits: 4

ART 1130 - Drawing

Goals: To gain an understanding of the basic elements and principles of drawing. To foster an awareness of the cultural and aesthetic significance of the basic concepts that form the foundation of the visual arts.

Content: Elements of line, value, shape, perspective, texture, and principles of design and composition.

Credits: 4

ART 1140 - Drawing from Life

Goals: To learn and apply the basic elements and principles of drawing to drawing the human figure and elements from life.

Content: Study of line, contour, shape, value, foreshortening, composition, design, and principles of light and shade while drawing from the live model and elements from life.

Credits: 4

ART 1510 - Beginning Sculpture

Casting, Carving, Construction, and Steel Fabrication. This course introduces students to the fundamentals of sculpture, concept development, and safe, productive working habits. Students will learn basic mold making and metal casting techniques, fundamental wood construction, carving, and essential steel fabrication. As a class, we will work together to promote concept development in conjunction with voracious production of work. Students will start to develop their own visual language and explore their conceptual interests moving towards a larger, nuanced body of work.

Goals: To learn technical sculptural skills that allow you to confidently execute. To thoroughly develop the basic stages of creating: ideate->sketch->test->construct->reflect. To synthesize craft and concept. To advance individual visual vernacular using sculptural methods and technique.

Content: The fundamental elements of sculpture, concepts of form and space, aesthetic theory, mold-making and casting, development of the individual aesthetic. Emphasis on skill building.

Credits: 4

ART 1540 - Beginning Painting

Goals: To learn how to manipulate and control the aesthetic elements of line, color, texture, shape, tension, etc. on a two-dimensional surface. To understand that painting is a process and discipline linked to art historical discourse.

Content: Oil paints will be the central medium of this class. The course is structured and importance is placed on the formal elements of design: color, surface, composition, and space. The emphasis is on learning to see objectively, be it from still-life set ups, landscape, or no objective studies. The artistic and art historical concerns and choices are stressed. Critiques are an important part of the class.

Taught: Annually, fall semester.

Prerequisite: ART 1130 or ART 1140 or permission of instructor.

Credits: 4

ART 1800 - Beginning Printmaking

Goals: To learn the methods and means of intaglio printmaking processes; to further the student's own artistic goals.

Content: Demonstration and use of the various engraving tools, the use and application of various grounds, aquatints and acids, and instruction in the printing process.

Prerequisites: ART 1130 or ART 1140

Credits: 4

ART 1900 - Digital Photography I

Crosslisted: Also listed as DMA 1410

Goals: To develop fundamental abilities in photography including mastering technical vocabulary, understanding of the photographic process, managing digital files, basic photo editing and adjustment, printing techniques.

Content: Technical vocabulary and required skills, parts of the camera, understanding camera controls and options, framing a shot, shooting successfully in different conditions.

Participants will also gain knowledge of the history of the development of photography and practice in analyzing and critiquing photographic images.

Taught: Annually, fall and spring

Credits: 4

ART 3510 - Intermediate Sculpture

Casting, Carving, Construction, and Steel Fabrication. This course introduces students to the fundamentals of sculpture, concept development, and safe, productive working habits. Students will learn advanced mold making and metal casting techniques, fundamental wood construction, carving, and essential steel fabrication. As a class, we will work together to promote concept development in conjunction with voracious production of work. Students will start to develop their own visual language and explore their conceptual interests moving towards a larger, nuanced body of work.

Goals: To learn technical sculptural skills that allow you to confidently execute. To thoroughly develop the basic stages of creating: ideate->sketch->test->construct->reflect. To synthesize craft and concept. To advance individual visual vernacular using sculptural methods and technique.

Content: The elements of sculpture and technical processes as required by individual projects.

Taught: Annually

Prerequisite: ART 1510

Credits: 4

ART 3540 - Intermediate Painting

Goals: To build upon knowledge and experience gained in ART 1540 Beginning Painting. The aesthetic elements of line, color, texture, shape, tension, etc. on a two-dimensional surface are developed. To continue to understand that painting is a process and discipline linked to art historical discourse.

Content: Oil paints will be the central medium of the class.

The course is structured and importance is placed on the formal elements of design: color, surface, composition, and space. The emphasis is on learning to see objectively, be it from still-life set ups, landscape, or no objective studies. The artistic and art historical concerns and choices are stressed.

Critiques are an important part of the class.

Taught: Annually, spring term

Prerequisite: ART 1540 or permission of instructor.

Credits: 4

ART 3800 - Intermediate Printmaking

Goals: To learn the methods and means of intaglio printmaking processes; to further the student's own artistic goals.

Content: Demonstration and use of the various engraving tools, the use and application of various grounds, aquatints and acids, and instruction in the printing process.

Prerequisites: ART 1800

Credits: 4

ART 3900 - Digital Photography II

Crosslisted: Also listed as DMA 3410

Goals: To build on the skills developed in ART 1900: Digital Photography I through more advanced camera operations, enhanced editing work (including Photoshop), understanding of the advantages and disadvantages of different file formats, advance printing and image manipulation work.

Content: Camera control in manual operations under different conditions, managing technically complex shots, effectively using lenses and filters. Image adjustment in Photoshop. History of recent developments in digital photography.

Tutorials in analyzing and critiquing photographic work.

Taught: Annually

Prerequisite: ART 1900 or approval of instructor based on portfolio review

Credits: 4

ART 5710 - Advanced Sculpture

Casting, Carving, Construction, and Steel Fabrication. This course introduces students to the fundamentals of sculpture, concept development, and safe, productive working habits. Students will learn basic mold making and metal casting techniques, fundamental wood construction, carving, and essential steel fabrication. As a class, we will work together to promote concept development in conjunction with voracious production of work. Students will start to develop their own visual language and explore their conceptual interests moving towards a larger, nuanced body of work.

Goals: To advance individual visual vernacular using sculptural methods and technique.

Content: Advanced conceptual production and independent projects.

Taught: Annually

Prerequisite: ART 3510

Credits: 4

ART 5740 - Advanced Painting

Goals: To building upon knowledge and experience gained in ART 3540 Intermediate Painting. The aesthetic elements of line, color, texture, shape, tension, etc. on a two-dimensional surface are developed. To continue to understand that painting is a process and discipline linked to art historical discourse.

Content: Oil paints will be the central medium of the class.

The course is structured and importance is placed on the formal elements of design: color, surface, composition, and space. The emphasis is on learning to see objectively, be it from still-life set ups, landscape, or no objective studies. The artistic and art historical concerns and choices are stressed.

Critiques are an important part of the class.

Taught: Annually, spring term

Prerequisite: ART 3540 or permission of instructor.

Credits: 4

ART 5900 - Advanced Printmaking

Goals: To achieve a greater mastery of printmaking.

Content: Further exploration of the intaglio process, introduction of the mezzotint, use of lift-grounds, and demonstration of multiple-plate printing. Professional attitude toward work is stressed.

Prerequisites: ART 1800 and 3800

Credits: 4

ART 5950 - Senior Seminar

Goals: To explore contemporary issues in art, with special focus on art theory and the professional presentation of images. To address archival preservation, exhibition installation, and health and safety issues related to the use of materials in the visual arts. To provide studio seniors with a capstone experience, which would combine art theory and exhibition practicum. The instructor will be the advisor for their senior exhibition.

Content: Readings in theory and criticism, exhibitions in local museums and galleries, and lectures by visiting scholars and artists.

Taught: Annually

Prerequisite: Studio arts major in senior year.

Credits: 4

ARTH 1100 - World Art

This class, taught entirely online, considers the development of art from a global perspective. This course does not count towards major or minor requirements in Studio Arts or Art History. This course is graded on a Pass/No Pass basis.

Taught: Winter and Summer terms

Credits: 4

ARTH 1200 - Western Traditions: Prehistory to the Middle Ages

Goals: To explore the arts from prehistoric times through the Middle Ages, and to promote an understanding that a work of art is a reflection of the culture in which it was created.

To gain an understanding of formal principles and the materials and techniques of artistic production.

Content: The traditions of painting, sculpture, architecture, and the decorative arts in the western world from roughly 20,000 BC to the fourteenth century. Major monuments are considered in light of religious, political, social, economic, and geographic conditions. Special emphasis is placed on the iconography and cultural context of the works, along with the methods and materials of artistic production. This course is strongly advised as a foundation for ARTH 1210.

Taught: Annually, fall term.

Credits: 4

ARTH 1210 - Western Traditions: Renaissance to Contemporary

Goals: To introduce the major monuments of art history from the fourteenth century through the 1980s, and to promote an understanding that a work of art is a reflection of the culture in which it was created. To gain an understanding of formal principles and the materials and techniques of artistic production.

Content: The traditions of painting, sculpture, and architecture in the western world from the fourteenth century through contemporary times. Major monuments are considered in light of religious, political, social, economic, and geographic conditions. Special emphasis is placed on the iconography and cultural context of the works, along with the methods and materials of artistic production.

Taught: Annually, spring term.

Prerequisite: While it is not required, students are strongly advised to take ARTH 1200 before taking ARTH 1210.

Credits: 4

ARTH 1300 - Dante and the Visual Arts

Goals: To familiarize students with one of the great works of Western culture, Dante's *Divine Comedy*, and, of that work, to read its most well-known component, the *Inferno*. To explore the interaction of art and literature through study of artists' interpretations of the *Inferno* from the Middle Ages through the 20th century. Arts studied include painting, sculpture, and book/manuscript illustration.

Content: Students will read all of Dante's *Inferno* (which is the first of three parts of the *Divine Comedy*, the other two being *Purgatorio* and *Paradiso*) and will study visual imagery created as illustration of this work or as inspired by this work.

Taught: Alternate years, concurrently with ARTH 3300.

Credits: 4

ARTH 1310 - High Renaissance Art in Italy

Goals: To explore the art and culture of the High Renaissance in Italy through in-depth study of four major artists of the period: Leonardo da Vinci, Michelangelo, Raphael, and Titian.

Content: This course focuses on the lives and works of Leonardo da Vinci, Michelangelo, Raphael, and Titian within the cultural context of the High Renaissance in Italy. The course will address issues of biography, patronage, and art theory.

Taught: Alternate years, concurrently with ARTH 3310.

Credits: 4

ARTH 1600 - American Art, 1800-1945

Goals: Art and other visual images have reflected and helped shape the way Americans think about their country and each other. This in-depth survey course examines a critical period (roughly 1800-1945) in American art and history during which the frontier closed, fortunes were made, the national identity shifted, and the Puritan suspicion of art gave way.

Content: With a focus on the development of American art forms and the American modern artist, we will consider the relationship between visual images and power in a time of growing power and diversity for both the nation and art. Primary source readings will augment the text and visuals, and case studies will highlight important issues in American art and society at the time, and in recent scholarship.

Taught: Alternate years.

Credits: 4

ARTH 1610 - The History and Politics of Landscape in Art

Goals: The land has historically been critical to the forming of national and individual identities. Through its representation in art and visual culture, it has been put to the service of politics, economics, class, and gender, as well as personal expression and the quest for beauty.

Content: This course examines the representation of landscape from its beginnings as "background" in 15th century Renaissance images, to a powerful independent genre in the 19th century, a "dematerialized image" in the late 20th, and a newly popular art form today that meets multiple needs. We will examine images along with primary source readings and, on occasion, a visit by a contemporary landscape artist.

Taught: Alternate years

Credits: 4

ARTH 1700 - Women and Art

Goals: This interdisciplinary course focuses specifically on women, in their roles as makers of art and patrons of art as well as subjects of art. Geographically, the course will deal with American and European culture; chronologically, we will examine women's artistic activity from antiquity to the present, with a concentration on the last 200+ years. The

concepts of patriarchy and ideology as they influence art production in a given society will background investigations of women's own activities as creators and patrons of art. We will examine works of art and architecture and visual culture images, along with complementary literary and theoretical writings from primary and secondary sources.

Content: Students will become familiar with the ways in which the writing of art history, the evolution of art professionalism, and the criteria for the evaluation of art have subjugated women and—alternately—how women have manipulated these developments to gain agency. As an example, we will explore traditional categories of feminine portrayal and archetypes like the "crone", the "fatal woman", and "vanitas" as they morph through time and social change to see how women artists have used or challenged these models in their quest to gain institutional and personal artistic freedom and power. The subject is always examined in the larger context of the society in which art is produced.

Taught: Alternate years

Credits: 4

ARTH 1710 - Visual Constructions of Gender

Goals: This interdisciplinary themed course focuses on visual images of gender in modern and contemporary western culture. From the "Fallen Woman" to the "Queer Eye", our understanding of masculinity(ies) and femininity(ies) has been determined in part by the visual images we encounter in the media and the art world; these images reflect societal imperatives and anxieties regarding sex and gender relations, and simultaneously help to construct our ideas about them.

Content: Explores such questions as: To what degree are these images artificially constructed and to what purposes? How do such constructions cross national/international borders? How do they relate to verbal and literary constructions of the period? Also explores literary and theoretical writings, and images from both art and the media.

Taught: Alternate years

Credits: 4

ARTH 3300 - Dante and the Visual Arts

Goals: To familiarize students with one of the great works of Western culture, Dante's *Divine Comedy*, and, of that work, to read its most well-known component, the *Inferno*. To explore the interaction of art and literature through study of artists' interpretations of the *Inferno* from the Middle Ages through the 20th century. Arts studied include painting, sculpture, and book/manuscript illustration.

Content: Students will read all of Dante's *Inferno* (which is the first of three parts of the *Divine Comedy*, the other two parts being *Purgatorio* and *Paradiso*) and will study visual imagery created as illustration of this work or as inspired by this work.

Taught: Alternate years, concurrently with ARTH 1300.

Prerequisites: ARTH 1200 and ARTH 1210

Credits: 4

ARTH 3310 - High Renaissance Art in Italy

Goals: To explore the art and culture of the High Renaissance in Italy through in-depth study of four major artists of the period: Leonardo da Vinci, Michelangelo, Raphael, and Titian.

Content: This course focuses on the lives and works of Leonardo da Vinci, Michelangelo, Raphael, and Titian within the cultural context of the High Renaissance in Italy. The course will address issues of biography, patronage, and art theory.

Taught: Alternate years, concurrently with ARTH 1310.

Prerequisites: ARTH 1200 and ARTH 1210

Credits: 4

ARTH 3600 - American Art, 1800-1945

Goals: Art and other visual images have reflected and helped shape the way Americans think about their country and each other. This in-depth survey course examines a critical period (roughly 1800-1945) in American art and history during which the frontier closed, fortunes were made, the national identity shifted, and the Puritan suspicion of art gave way.

Content: With a focus on the development of American art forms and the American modern artist, we will consider the relationship between visual images and power in a time of growing power and diversity for both the nation and art. Primary source readings will augment the text and visuals, and case studies will highlight important issues in American art and society at the time, and in recent scholarship.

Taught: Alternate years

Prerequisites: ARTH 1200 and ARTH 1210

Credits: 4

ARTH 3610 - The History and Politics of Landscape in Art

Goals: The land has historically been critical to the forming of national and individual identities. Through its representation in art and visual culture, it has been put to the service of politics, economics, class, and gender, as well as personal expression and the quest for beauty.

Content: This course examines the representation of landscape from its beginnings as "background" in 15th century Renaissance images, to a powerful independent genre in the 19th century, a "dematerialized image" in the late 20th, and a newly popular art form today that meets multiple needs. We will examine images along with primary source readings and, on occasion, a visit by a contemporary landscape artist.

Taught: Alternate years

Prerequisites: ARTH 1200 and ARTH 1210

Credits: 4

ARTH 3700 - Women and Art

Goals: This interdisciplinary course focuses specifically on women, in their roles as makers of art and patrons of art as well as subjects of art. Geographically, the course will deal with American and European culture; chronologically, we will examine women's artistic activity from antiquity to the present, with a concentration on the last 200+ years. The concepts of patriarchy and ideology as they influence art production in a given society will background investigations of women's own activities as creators and patrons of art. We will examine works of art and architecture and visual culture images, along with complementary literary and theoretical writings from primary and secondary sources.

Content: Students will become familiar with the ways in which the writing of art history, the evolution of art professionalism, and the criteria for the evaluation of art have subjugated women and—alternately—how women have manipulated these developments to gain agency. As an example, we will explore traditional categories of feminine portrayal and archetypes like the "crone", the "fatal woman", and "vanitas" as they morph through time and social change to see how women artists have used or challenged these models in their quest to gain institutional and personal artistic freedom and power. The subject is always examined in the larger context of the society in which art is produced.

Taught: Alternate years

Prerequisites: ARTH 1200 and ARTH 1210

Credits: 4

ARTH 3710 - Visual Constructions of Gender

Goals: This interdisciplinary themed course focuses on visual images of gender in modern and contemporary western culture. From the "Fallen Woman" to the "Queer Eye", our understanding of masculinity(ies) and femininity(ies) has been determined in part by the visual images we encounter in the media and the art world; these images reflect societal imperatives and anxieties regarding sex and gender relations, and simultaneously help to construct our ideas about them.

Content: Explores such questions as: To what degree are these images artificially constructed and to what purposes? How do such constructions cross national/international borders? How do they relate to verbal and literary constructions of the period? Also explores literary and theoretical writings, and images from both art and the media.

Taught: Alternate years

Prerequisites: ARTH 1200 and ARTH 1210

Credits: 4

ARTH 3900 - 19th-Century Art in Europe

Goals: To explore major artists and artistic developments in Western Europe in the 19th century within their cultural, political, social, and esthetic contexts.

Taught: Alternate years

Prerequisites: ARTH 1200 and ARTH 1210

Credits: 4

ARTH 3910 - 20th-Century Art in Europe and the United States

Goals: To explore the arts of the 20th century in Europe and the United States, and to examine individual artists and artworks in light of their respective artistic movements and cultural contexts. To analyze relationships between theory and image, as well as relationships between artistic periods.

Content: Sculpture and painting of the 20th century in Europe and the United States. Special attention is given to major artistic movements, theoretical explorations, and the role of the avant-garde.

Taught: Alternate years

Prerequisites: ARTH 1200 and ARTH 1210. Students are strongly advised to take ARTH 3900 prior to taking ARTH 3910.

Credits: 4

ARTH 5000 - Senior Art History Research

Goals: To conduct independent research appropriate for the discipline of art history. To develop a senior research paper necessary for graduation.

Content: Independent research concluding with a major paper on a topic appropriate for the discipline of art history. Each student shall work closely with the instructor in topic selection, research methodology, development, and evaluation of the paper.

Taught: Annually, fall term; taught concurrently with ARTH 5450.

Prerequisites: ARTH 1200 and ARTH 1210.

Credits: 2

ARTH 5010 - Senior Art History Research Honors*

Goals: To conduct independent research appropriate for the discipline of art history. To develop a senior research paper necessary for graduation.

Content: Independent research concluding with a major paper on a topic appropriate for the discipline of art history. Each student shall work closely with the instructor in topic selection, research methodology, development, and evaluation of the paper. The Senior Art History Honors tutorial is considered a year-long project.

Prerequisites: ARTH 1200 and ARTH 1210, or permission of instructor. In addition, the student must be a senior with a grade point average of 3.5 or higher in the Art History major and of 3.0 in cumulative coursework to qualify for graduation with Honors. The student must have written permission of the instructor to register for Senior Art History Research Honors.

Note: Typically, students register for this course in the fall term and complete it in the spring term of their senior year. Upon successful completion, the * in the course title will

include the actual honors project title on the official transcript of the student.

Credits: 4

ARTH 5450 - Senior Seminar: Methodologies of Art History

Goals: This course acquaints students with various methodological approaches used within the field of art history. Through analyzing and applying these various methods, students practice critical reading and discussion skills, and exercise writing, research, and speaking skills necessary to execute an advanced research project in the field of art history.

Content: Students will study various methodological approaches used in the field of art history and apply them to their own research project through completion of a written project as well as an oral presentation.

Taught: Annually, fall semester; taught concurrently with ARTH 5000.

Prerequisites: ARTH 1200 and ARTH 1210.

Credits: 2

BIOC 3820 - Biochemistry I

Goals: Living organisms can be described as open thermodynamic systems in which exergonic and endergonic events are coupled in the process of growth and reproduction. We will examine aspects of cellular metabolism with particular attention to the integration and regulation of cellular systems. Modern biochemical techniques will be introduced in laboratory exercises.

Content: Molecular basis of cellular function, protein structure/function relationships, enzyme function and kinetics, reaction mechanisms, energetics and catabolism, biosynthesis of cellular macromolecules.

Taught: Fall term

Prerequisite: BIOL 3060 and CHEM 3460, or permission of instructor; BIOL 3050 is strongly recommended

Corequisite: BIOC 3820 - Biochemistry I lab

Credits: 4

BIOC 3820 - LAB: Biochemistry I

This lab must be taken concurrently with the BIOC 3820 lecture.

Credits: The lab itself has zero credit value.

BIOC 3830 - Biochemistry II

Goals: To continue the process of understanding the molecular design of living systems begun in Biochemistry I. Special emphasis is placed on instrumental methods of structure elucidation and the use of contemporary computational methods. The understanding of important anabolic and catabolic pathways of biologically important non-protein molecules, and the integration of these pathways within the metabolic cycle is the focus of study.

Content: The general integration of metabolism including carbohydrate, glycogen, amino acid, and fatty acid

metabolism. The biosynthesis of lipids, steroids, amino acids, and nucleic acids. The process of photosynthesis.

Taught: Annually, spring term

Prerequisites: BIOC 3820 and CHEM 3550

Corequisite: BIOC 3830 - Biochemistry II lab

Credits: 4

BIOC 3830 - LAB: Biochemistry II

This lab must be taken concurrently with the BIOC 3830 lecture.

Credits: The lab itself has zero credit value.

BIOL 1120 - Biology of Human Function

Goals: To introduce non-science majors to human structure and function. To develop an appreciation of advances in biological technologies.

Content: The function of cells and organ systems, emphasizing the physical mechanisms used to maintain a state of dynamic equilibrium.

Prerequisites: None

Credits: 4

BIOL 1120 - LAB: Biology of Human Function

This lab must be taken concurrently with the BIOL 1120 lecture.

Credits: The lab itself has zero credit value.

BIOL 1130 - Biodiversity and Conservation Biology

Goals: To understand the ecological, evolutionary, geological, and historical factors which have led to the current distribution and abundance of organisms; to examine the changes in these distributions due to human activities; and to evaluate conservation strategies for different types of organisms.

Content: Fundamentals of population ecology, community ecology and evolution; classification of organisms; patterns of biodiversity in space and time; extinctions and their causes; conservation genetics; design of nature preserves.

Prerequisites: None

Credits: 4

BIOL 1130 - LAB: Biodiversity and Conservation Biology

This lab must be taken concurrently with the BIOL 1130 lecture.

Credits: The lab itself has zero credit value.

BIOL 1140 - Human Heredity and Disease

Goals: To introduce students to the principles of heredity, genetic technology, examples of hereditary diseases, and related societal concerns. To confront students with ethical choices that society will need to make regarding new genetic technologies.

Content: Modes of inheritance, gene and chromosomal behavior, hereditary disease, DNA structure, mutation, gene regulation, cancer, genetic engineering, gene therapy.

Prerequisites: None

Credits: 4

BIOL 1140 - LAB: Human Heredity and Disease

This lab must be taken concurrently with the BIOL 1140 lecture.

Credits: The lab itself has zero credit value.

BIOL 1150 - Biology of Women

Goals: To introduce students to the basic aspects of reproductive biology, biological bases of gender differences, and women's health. The course will also provide a context for examining the social and political framework within which science is done, and the extent to which scientific studies may be conducted as objective or value-neutral activities.

Content: Course topics will include reproductive anatomy and physiology, sexual development and differentiation, hormones and reproductive cycle regulation, pregnancy and childbearing, reproductive technologies, STDs and AIDS, women and aging, and women and cancer. Students will practice methods of scientific inquiry and analysis, and assess the strengths and limitations of scientific approaches toward understanding the biology of women.

Prerequisites: None

Credits: 4

BIOL 1150 - LAB: Biology of Women

This lab must be taken concurrently with the BIOL 1150 lecture.

Credits: The lab itself has zero credit value.

BIOL 1160 - Biology of Behavior

Goals: To engage non-science majors in exploring how the behavior of animals is shaped by their environments, genetics, and evolutionary history. To develop skills in oral communication, computer use, and the scientific method by designing and conducting experiments. To foster a sense of wonder and curiosity about the behavior of animals.

Content: An exploration of animal behavior. This course will introduce the process of scientific inquiry while investigating how and why animals have developed their particular solutions to problems of life such as finding food, shelter, and mates, avoiding predators and disease, and producing offspring. Topics will include fundamental principles of evolution, genetics, sensory physiology, and behavioral ecology as ways to explore the causes of behavior and why different behavior patterns have evolved in various kinds of animals. Labs will focus on developing and testing student-generated research questions.

Taught: Occasionally, winter or summer term

Prerequisites: None

Credits: 4

BIOL 1160 - LAB: Biology of Behavior

This lab must be taken concurrently with the BIOL 1160 lecture.

Credits: The lab itself has zero credit value.

BIOL 1170 - Natural History of Minnesota

Goals: To understand the ecological, evolutionary, geological, and historical factors which have led to the current distribution and abundance of organisms in Minnesota and the upper Midwest; to examine the changes in these distributions over time; to demonstrate the principles of scientific thinking using a multidisciplinary approach.

Content: Fundamentals of global and regional climates, regional weather, fundamental geological processes, interpretation of maps and other geographical information, principles of ecology and evolution, classification and identification of organisms. Teaching Methods: Experiential learning during field trips to sites throughout the region. Assignments: homework, field exercises, exams, and participation.

Taught: Occasionally, summer only

Prerequisites: Permission of the instructor required

Note: Application and interviews for admission take place during spring semester. Students must contact the instructor for application materials and further details.

Credits: 4

BIOL 1180 - Biotechnology in Your Life

Goals: Engage non-science majors in thinking about biotechnology, its controversies and promises. To develop skills in critical thinking and analysis by testing claims of superior qualities of various biotechnology products.

Content: This course examines major products of biotechnology and their effects on our life today. We will talk about ethical and scientific aspects of genetically modified food, human cloning, recombinant drugs and much more... We will look into news, talk about your groceries, and think about new approaches to regulate new technologies. We will also try to understand how all that biotech works!

Taught: Summer

Credits: 4

BIOL 1800 - Principles of Ecology and Evolution

Goals: This course is designed for potential biology majors and others needing majors-level biology. To introduce ecological and evolutionary principles, and how these relate to understanding the origins and diversity of life on earth. To gain experience in the practice of science by posing research questions, designing and conducting experiments or observations to answer these questions, and presenting

the results publicly. To develop skills in oral communication, use of the computer as a scientific tool, and ability to function as a member of a goal-oriented team. To foster a sense of wonder and curiosity about biological diversity.

Content: An exploration of ecology and evolution. Topics will include interactions among organisms with their environment, transmission genetics, micro and macroevolutionary processes, and the origin and diversity of life. Throughout the course, we will discuss examples of how ecological and evolutionary principles can enhance our understanding of environmental and medical issues. The course will introduce skills needed for conducting biological research, with emphasis on development of research questions and experimental design.

Taught: Fall term

Prerequisites: None; concurrent registration in CHEM 1130 is recommended

Note: This course is open to first-year students only.

Exceptions are made by permission of the instructor. Non-science majors seeking the Hamline Plan "N" through Biology should take a course in the BIOL 1100 series rather than taking BIOL 1800.

Credits: 4

BIOL 1800 - LAB: Principles of Ecology and Evolution

This lab must be taken concurrently with the BIOL 1800 lecture.

Credits: The lab itself has zero credit value.

BIOL 1820 - Principles of Plant and Animal Physiology

Goals: To introduce the basic principles of plant and animal physiology emphasizing structure-function relationships, mechanisms of integration of cellular, tissue and organ functions, and the concept of homeostatic balance. To gain experience in the practice of science by posing scientific questions, designing experiments or observations to answer these questions, and presenting the results of these studies in a public forum. To increase skills in the following areas: oral and written communication, use of the computer as a scientific tool, functioning as a member of a goal-directed team.

Content: Physiological mechanisms for the regulation of water balance, gas exchange, and energy balance in both plants and animals will be covered. The role of cells, tissues, and organs in physiological process; function and regulation of the endocrine, digestive, respiratory, vascular, and nervous systems in animals.

Taught: Spring term

Prerequisite: None

Note: This course is open to first-year students only.

Exceptions are made by permission of the instructor. Non-science majors seeking the Hamline Plan "N" through Biology should take a course in the BIOL 1100 series rather than taking BIOL 1820.

Credits: 4

BIOL 1820 - LAB: Principles of Plant and Animal Physiology

This lab must be taken concurrently with the BIOL 1820 lecture.

Credits: The lab itself has zero credit value.

BIOL 3050 - Principles of Genetics

Goals: To acquire an understanding of the basic principles of transmission genetics, molecular genetics, and population genetics. Students will be able to explain these principles and discuss projects and problems in which these principles are relevant. To gain experience in the practice of science by posing scientific questions, designing experiments or observations to answer these questions, and presenting the results of these studies in a public forum. To increase skills in the following areas: oral and written communication, use of the computer as a scientific tool, functioning as a member of a goal-directed team.

Content: Mendelian genetics, genetic mapping, cytogenetics and chromosome abnormalities, genetic engineering methods and applications, genomics, gene regulation and developmental genetics, the genetics of cancer, population genetics, and microevolution.

Taught: Fall term

Prerequisites: CHEM 1130 or CHEM 1500 (grade of C- or better) or concurrent registration; BIOL 1820 (grade of C- or better), or consent of the instructor

Credits: 4

BIOL 3050 - LAB: Principles of Genetics

This lab must be taken concurrently with the BIOL 3050 lecture.

Credits: The lab itself has zero credit value.

BIOL 3060 - Principles of Cell Biology

Goals: To introduce students to the structure and function of prokaryotic and eukaryotic cells, and to the dynamic nature of cellular function. To introduce investigative skills such as information searching, research design and analysis, and scientific writing.

Content: The chemical basis of cellular function; macromolecules; organelles; membranes and membrane transport; enzymes and the catalysts of cellular reactions; information storage and information flow within and between cells; cell division and its regulation; cellular metabolism including cellular respiration.

Taught: Spring term

Prerequisites: CHEM 1140 or CHEM 1500 (grade of C- or better) or concurrent registration in CHEM 1140; BIOL 3050 (grade of C- or better)

Credits: 4

BIOL 3060 - LAB: Principles of Cell Biology

This lab must be taken concurrently with the BIOL 3060 lecture.

Credits: The lab itself has zero credit value.

BIOL 3200 - Human Anatomy and Physiology I

Goals: Human Anatomy and Physiology I is part of two-course series. This course series satisfies the requirement in Anatomy and Physiology for most professional schools. Students taking this course will appreciate the complexity of human body, examine the principles and mechanisms underlying human body function from organ systems down to the molecular level, and further develop their critical thinking and written and oral communication skills. During laboratory exercises, students will conduct hands-on experiments investigating the principles of human body function in response to various conditions.

Content: Anatomy and Physiology I will complement Anatomy and Physiology II and will cover the general organization of the human body, tissues, and the anatomy and physiology of the skeletal and muscular systems, skin, and nervous system.

Taught: Fall

Prerequisites: BIOL 1820

Note: Students are allowed to count only one of the two courses of this series toward their Biology major.

Credits: 4

BIOL 3200 - LAB: Human Anatomy and Physiology I

This lab must be taken concurrently with the BIOL 3200 lecture.

Credits: The lab itself has zero credit value.

BIOL 3250 - Human Anatomy and Physiology II

Goals: Human Anatomy and Physiology II is a part of two-course series. This course series satisfies the requirement in Anatomy and Physiology for most professional schools. Students are allowed to count only one of two courses of this series toward their Biology major. Students taking this course will appreciate the complexity of human body, examine the principles and mechanisms underlying human body function from organ system down to the molecular level, and further develop their critical thinking and written and oral communication skills. During laboratory exercises, students will conduct hands-on experiments investigating the principles of human body function in response to various conditions.

Content: Anatomy and Physiology II will complement Anatomy and Physiology I and will cover the anatomy and physiology of the respiratory, digestive, urinary, circulatory, endocrine, and reproductive systems, and early development.

Taught: Spring

Prerequisites: BIOL 1820; BIOL 3200 is recommended.

Note: Students are allowed to count only one of the two courses of this series toward their Biology major.

Credits: 4

BIOL 3250 - LAB: Human Anatomy and Physiology II

This lab must be taken concurrently with the BIOL 3250 lecture.

Credits: The lab itself has zero credit value.

BIOL 3400 - Comparative Vertebrate Evolution and Anatomy

Goals: To investigate the form and function of anatomical features of a variety of animals, using the comparative method to assess the relative importance of evolutionary history and differing environments on morphology. Dissection will be emphasized.

Content: The evolution and integration of morphology, with emphasis on the roles of homology, ontogeny, and adaptation to diverse environments as influences on form and function.

Taught: Alternate years, spring term.

Prerequisites: BIOL 1800 and BIOL 1820 or permission of instructor.

Credits: 4

BIOL 3400 - LAB: Comparative Vertebrate Evolution and Anatomy

This lab must be taken concurrently with the BIOL 3400 lecture.

Credits: The lab itself has zero credit value.

BIOL 3500 - Plant Adaptation and Diversity

Goals: To learn the concepts of classification; to learn representative species of the seed plants, with emphasis on those found in this area; to examine examples of ways in which plants show responses to selection that are integrated across molecular, physiological, morphological, and ecological levels.

Content: Fundamentals of systematics and classification; characteristics and human uses of representative plant families; case studies of plant adaptations to different environments (such as bogs and deserts); field identification of woody and herbaceous plants common in Minnesota.

Taught: Alternate years, spring term

Prerequisites: BIOL 1800 and BIOL 1820

Credits: 4

BIOL 3500 - LAB: Plant Adaptation and Diversity

This lab must be taken concurrently with the BIOL 3500 lecture.

Credits: The lab itself has zero credit value.

BIOL 3650 - Invertebrate Biology

Goals: To examine the form, function, reproduction, ecology, and phylogeny of invertebrate animals. To recognize characteristics unique to particular taxa, and homologies that reveal relatedness among taxa.

Content: Principles of phylogenetic analyses; characteristics of major invertebrate taxa; investigation of the ecological relevance of invertebrates through reading and discussion of primary literature. Laboratories will include behavioral and physiological experiments, field trips to study invertebrates in their natural habitats, and surveys of invertebrate phyla.

Taught: Alternate years, spring term
Prerequisites: BIOL 1800 and BIOL 1820
Credits: 4

BIOL 3650 - LAB: Invertebrate Biology

This lab must be taken concurrently with the BIOL 3650 lecture.

Credits: The lab itself has zero credit value.

BIOL 3770 - Population Genetics and Evolution

Goals: To understand the basis of microevolution through population genetics; to demonstrate the uses of molecular genetic data in evolutionary biology; to explore the mechanisms of evolutionary change; and to show how these mechanisms have led to the evolutionary history seen in the fossil record.

Content: The nature of biological variation, genetic structure of populations, Hardy-Weinberg equilibrium, quantitative genetics, principles of evolutionary phylogenetics, evolutionary processes, and the evolutionary history of major taxa.

Prerequisites: BIOL 3050

Credits: 4

BIOL 3770 - LAB: Population Genetics and Evolution

This lab must be taken concurrently with BIOL 3770 lecture.

Credits: The lab itself has zero credit value.

BIOL 3830 - Applied Biotechnology

Goals: This course is a survey of the underlying molecular approaches upon which biotechnological innovations are based.

Content: Topics covered include general strategies for gene cloning, gene transfer, genetic modification of organisms, and large scale production of protein products. The course will examine examples of biotechnological applications in biomedical, pharmaceutical, industrial, forensic, and agricultural industries, and will review the history of public discourse and policy development regarding the regulation of biotechnology in the U.S. and around the world.

Prerequisites: CHEM 1140 or 1500, BIOL 3050, and BIOL 3060

Credits: 4

BIOL 3830 - LAB: Applied Biotechnology

This lab must be taken concurrently with the BIOL 3830 lecture.

Credits: The lab itself has zero credit value.

BIOL 5450 - Current Problems in Biology

Goals: To examine recent scientific literature in the field.

Content: Seminar structure includes class discussions of primary literature and individual investigation of an aspect of the course topic theme. Topics for this course change

each time it is taught, however, student may only count this course one time as a Biology Major elective course.

Prerequisites: BIOL 1800, BIOL 1820, BIOL 3050, and BIOL 3060, or instructor approval

Credits: 4

BIOL 5540 - Aquatic Biology

Goals: To understand the differences and similarities among the various freshwater aquatic ecosystems (lakes, streams, wetlands), and to understand the ecological principles and interactions that govern the distribution and abundance of aquatic organisms. To develop computer skills and writing skills.

Content: Lake origins; glacial history of Minnesota; water chemistry; aquatic ecosystem structure; food web interactions; survey of important aquatic organisms; linkages among terrestrial and aquatic ecosystems; human impacts on aquatic environments (e.g., eutrophication, acidification). Laboratories will include field studies of aquatic environments, case studies, and controlled laboratory experiments.

Taught: Alternate years, fall term

Prerequisites: BIOL 1800 and BIOL 1820

Credits: 4

BIOL 5540 - LAB: Aquatic Biology

This lab must be taken concurrently with the BIOL 5540 lecture.

Credits: The lab itself has zero credit value.

BIOL 5550 - Microbiology

Goals: Introduction to the biology of microorganisms and the aseptic techniques used to grow and maintain microbial cultures. Practice molecular biology procedures and apply them to the study of microbial function and metabolism. Read and discuss current research in microbiology and related fields.

Content: Microorganisms: their structure, classification and physiological characteristics. Study of the basic principles of bacterial biochemistry and metabolism, genetics and pathogenicity. Introduction to common methods used to control microbial growth, including antibiotics and their mode of action. Overview of viruses, fungi and their role in common diseases. Study the relevance of microorganisms in industrial and environmental processes.

Taught: Alternate years, spring term

Prerequisites: BIOL 3050 and BIOL 3060, or consent of the instructor

Credits: 4

BIOL 5550 - LAB: Microbiology

This lab must be taken concurrently with the BIOL 5550 lecture.

Credits: The lab itself has zero credit value.

BIOL 5590 - Ecology

Goals: To demonstrate empirical and theoretical understanding of the relationships between organisms and their biological and physical environment; to examine the distribution and abundance of organisms; to apply quantitative analysis to field-collected ecological data.

Content: Energy flow, ecosystem organization, community structure, organismal interactions, population dynamics, physiological ecology, and biome structure.

Taught: Fall term

Prerequisites: BIOL 1800 and BIOL 1820

Credits: 4

BIOL 5590 - LAB: Ecology

This lab must be taken concurrently with the BIOL 5590 lecture.

Credits: The lab itself has zero credit value.

BIOL 5600 - Developmental Biology

Goals: To survey developmental processes in a variety of protists, plants and animals. To design and perform experiments that address topics chosen by students, using developmental systems. To practice writing skills.

Content: The genetic basis of development, sexual reproduction, morphogenesis, and embryonic development in animals, plant development, pattern formation, regeneration, metamorphosis, and aspects of cancer and aging.

Taught: Alternate years, spring term

Prerequisites: BIOL 3050 and BIOL 3060

Credits: 4

BIOL 5600 - LAB: Developmental Biology

This lab must be taken concurrently with the BIOL 5600 lecture.

Credits: The lab itself has zero credit value.

BIOL 5650 - Animal Behavior

Goals: To investigate how and why animals have developed their particular solutions to problems of life such as finding food, shelter, and mates, avoiding predators and disease, and producing offspring; to develop skills in observation, experimental design and analysis; to enhance oral and written communication skills; and to develop an appreciation for the alien nature of animal experiences.

Content: Evolutionary theory, behavioral genetics, and behavioral ecology will be used to develop methods for exploring the immediate causes, development, adaptive value, and evolutionary history of behavioral traits. We will discuss and critique various ethological models and current controversies in the field. Laboratory sessions will stress appropriate experimental design and statistical analysis. Students will gain further skills in experimental design and analysis while conducting independent research in the field or in the laboratory on a topic of their choice.

Taught: Alternate years, spring term

Prerequisites: BIOL 1800 and BIOL 1820 or permission of the instructor; BIOL 3050 and 3060 strongly recommended

Credits: 4

BIOL 5650 - LAB: Animal Behavior

This lab must be taken concurrently with the BIOL 5650 lecture.

Credits: The lab itself has zero credit value.

BIOL 5700 - Research in Biology

Goals: Introduction to research methodologies and the ways that graduate school research groups operate. The intent is to foster close student/faculty interaction as these parties join together in a research venture.

Content: Introduction to research methods including survey of relevant literature, experimental design, conducting a series of experiments, and analysis and presentation of data. Students enrolled in the course will work independently and with the instructor, and also attend biweekly laboratory group meetings. Students will learn research techniques and conduct investigations in a focused area of biology to be decided by the instructor.

Prerequisites: Permission of the instructor

Credits: 4

BIOL 5760 - Immunology

Goals: To learn about immune system development, function, and disorders; to become familiar with the theory and application of current methods in immunological research; to gain experience in reading primary scientific literature.

Content: History and theories of immunology with an emphasis on the experiments that defined the major advances in the field; innate and adaptive immunity; humoral and cellular immune responses; antibody genes, protein structure and function; self/nonself recognition by the immune system; T cell development, activation, and function; the immune system in autoimmunity, cancer, HIV, and transplantation.

Prerequisites: BIOL 3050 and BIOL 3060

Credits: 4

BIOL 5760 - LAB: Immunology

This lab must be taken concurrently with the BIOL 5760 lecture.

Credits: The lab itself has zero credit value.

BIOL 5870 - Genomics and Bioinformatics

Goals: This course was developed to familiarize students majoring in biology with the methods of genomic research, to encourage students to think on genomic scale, to help students become proficient with computer tools to "do" genomics, to promote student understanding the relationships between science and newspaper headlines.

Content: This course examines major ideas of the current genomics research. It also introduces students to biology resources available online. Through the series of exercises and case studies, students will practice conducting DNA and protein sequence analysis, primary literature analysis, interpreting results of gene expression studies and more. We will talk about ethical and scientific aspects of genomic research including human genome project and DNA testing.

Taught: Alternate years

Prerequisites: BIOL 3050 and BIOL 3060, or instructor permission

Credits: 4

BIOL 5900 - Molecular Cell Biology

Goals: To gain an understanding of cellular structure and function at the molecular level. To become familiar with cytological and molecular approaches as applied to contemporary issues in cell biology. To read and discuss contemporary research in molecular cell biology.

Content: Cell compartmentalization, cell structure and function, organelle function and biogenesis, cell motility, cell communication and membrane transport, signal transduction and regulation of cell growth, chromosome structure, cell cycle regulation, molecular mechanisms of aging and cancer. Laboratory will emphasize recombinant DNA and molecular techniques.

Taught: Spring term

Prerequisites: BIOL 3050, BIOL 3060, BIOC 3820 (or concurrent registration in BIOC 3820), and CHEM 3460

Credits: 4

BIOL 5900 - LAB: Molecular Cell Biology

This lab must be taken concurrently with the BIOL 5900 lecture.

Credits: The lab itself has zero credit value.

BIOL 5950 - Biology Seminar

Content: The seminar program includes presentations by outside speakers, Hamline faculty, and students. All biology majors must present the results of a research or library project as part of the degree requirements for the major.

Taught: Each semester

Note: Three semesters are required for biology majors.

Required each term for Kenyon scholars.

Credits: 0.5

BIOL 5951 - Biology Seminar Presentation

Content: All biology majors must present the results of a research or library project as part of the degree requirements for the major. Seniors in their last semester of the Biology Major should register for this course and present a research seminar to the department.

Taught: Each semester. Taken in final semester, senior year.

Required for biology majors. Required for Biology scholars.

Prerequisite: BIOL 5950 (3 semesters)

Credits: 0.5

CFST 1100 - Introduction to Conflict Studies

Goals: This multi-disciplinary course introduces students to the major approaches to understanding conflict at the interpersonal, organizational, and socio-cultural levels.

Content: Students study how conflict is understood from a range of disciplinary perspectives and in a wide variety of settings so as to develop broad perspectives on the ways in which conflict can be analyzed.

Taught: Annually

Credits: 4

CFST 3100 - Approaches to Conflict Response

Goals: To develop an understanding and appreciation for the range and implications of various forms of conflict response and intervention.

Content: Students will study a range of response strategies to conflict, including conflict escalation and de-escalation, coercion, persuasion, cooperation and reward, and will experiment with a variety of specific intervention techniques.

Prerequisite: CFST 1100 or permission of the instructor

Credits: 4

CFST 3300 - The Role of Conflict in Social Change

Goals: To introduce students to basic concepts shared between conflict studies and social justice studies; to examine connections between social conflict and people's movements for social change; and to study particular movements through these conceptual lenses.

Content: Students will learn to distinguish among interpersonal, organizational, and socio-cultural levels of conflict; be introduced to relevant social science frameworks; study the role of conflict in particular movements; and develop analyses of an aspect of that movement in which they are especially interested.

Taught: Annually

Credits: 4

CFST 3500 - Intergroup Dialogue

Goals: To learn about social identity, difference, and intersectionality, and how they are linked to social inequality, privilege and power; to explore sources of conflict in social interaction within and across identity groups; and to examine how individual experience is connected to intergroup relations, institutional structures and broader social context.

Content: Intergroup dialogue courses emphasize awareness and knowledge of particular social identities (such as race or dis/ability) and development of group interaction skills.

Content includes what distinguishes dialogue as a form of social interaction; processes through which individuals form social identities; how identities shape interdependence,

conflict, power, privilege and solidarity among and within groups; historical and contemporary perspectives on intergroup relations; and how identities and group membership inform possibilities for social change. Students will practice critical analysis skills with a focus on their own experiences and on group dynamics using key concepts in identity development and intergroup relations.

Taught: Annually

Prerequisite: Permission of the instructor based on interview

Note: Offered with focus on race or dis/ability. Students may enroll in more than one intergroup dialogue course if topics differ.

Credits: 4

CHEM 1100 - Chemistry and Society

Goals: To introduce and develop some basic principles of chemistry and demonstrate how they affect humankind and the environment.

Content: Basic principles of chemistry are introduced using a case study method. Topics include the ozone layer, global warming, acid rain, nuclear fission and fusion, nutrition, water as a natural resource, fossil and solar energy, and others. Special attention is paid to the social, economic and political contexts in which society deals with these issues. Models of chemical structure and bonding are developed as well as the basic concepts of thermodynamics, kinetics, and acid-base relationships.

Taught: Annually

Prerequisite: None, high school chemistry is not required

Note: You may not take CHEM 1100 if you have already completed CHEM 1130 - General Chemistry I.

Credits: 4

CHEM 1100 - LAB: Chemistry and Society

This lab must be taken concurrently with the CHEM 1100 lecture.

Credits: The lab itself has zero credit value.

CHEM 1130 - General Chemistry I

Goals: To introduce and develop the fundamental principles of analytical, biological, inorganic, organic, and physical chemistry. To provide instruction in fundamental laboratory techniques and to encourage the development of interpretive and problem-solving skills.

Content: Scientific measurement, stoichiometry, energy changes, physical behavior of gases, electronic structure of atoms, periodicity, bonding models including valence bond, molecular orbital and hybridization, molecular geometry, intermolecular forces, properties of solutions, liquids and solids, nomenclature, and chemistry of familiar elements. Gravimetric, volumetric and calorimetric measurements; graphical data analysis.

Taught: Annually

Prerequisite: Higher algebra; high school chemistry is highly recommended

Credits: 4

CHEM 1130 - LAB: General Chemistry I

This lab must be taken concurrently with the CHEM 1130 lecture.

Credits: The lab itself has zero credit value.

CHEM 1140 - General Chemistry II

Goals: To further develop the fundamental principles of analytical, biological, inorganic, physical and organic chemistry. Emphasis on the development of problem-solving techniques. The laboratory focuses on inorganic qualitative analysis.

Content: Spontaneity and rates of chemical reactions; equilibrium involving gases, acids, bases and salts; acid-base theories; titration theory and practice, electrochemistry, nuclear chemistry, biochemistry, the chemical and physical properties of metals, nonmetals, and coordination compounds.

Taught: Annually

Prerequisite: CHEM 1130 (grade C- or better)

Credits: 4

CHEM 1140 - LAB: General Chemistry II

This lab must be taken concurrently with the CHEM 1140 lecture.

Credits: The lab itself has zero credit value.

CHEM 1500 - Advanced General Chemistry

Goals: This course combines topics from both CHEM 1130 and CHEM 1140 and is meant to be an accelerated one-semester version of General Chemistry.

Content: The course includes a rigorous treatment of atomic and molecular structure, explores chemical bonding, chemical thermodynamics and kinetics, equilibrium, chemical reactions and stoichiometry, and electrochemistry.

Taught: Fall semester

Prerequisite: Advanced high school chemistry (AP, Honors, IB, etc), ACT math score of 28 or greater or instructor permission

Credits: 4

CHEM 1500 - LAB: Advanced General Chemistry

This lab must be taken concurrently with the CHEM 1500 lecture.

Credits: The lab itself has zero credit value.

CHEM 3240 - Analytical Chemistry

Goals: To introduce and develop the theoretical concepts and laboratory practices of quantitative chemical analysis.

Content: Theory and practice in classical analytical methods and instrumentation; emphasis on ionic equilibria and

electrochemistry and their relevance to chemical analysis; application of various software and statistics to analytical problems.

Taught: Annually, spring

Prerequisite: CHEM 1140 (grade of C- or better)

Credits: 4

CHEM 3240 - LAB: Analytical Chemistry

This lab must be taken concurrently with the CHEM 3240 lecture.

Credits: The lab itself has zero credit value.

CHEM 3330 - Instrumental Methods

Goals: To develop in depth the theory, scope, and limitations of the most commonly applied instrumental techniques of chemical analysis.

Content: Theory and techniques of infrared, ultraviolet, and nuclear magnetic resonance spectroscopy, gas and liquid chromatography, mass spectrometry, potentiometry, and other spectral and electrical methods of analysis, emphasizing relations among such factors as noise, resolution, sensitivity, error, and economics; applications of computers to analytical systems.

Taught: Annually, fall

Prerequisites: CHEM 3240 (grade of C- or better), CHEM 3450, and co-registration with CHEM 3940; MATH 1180 and PHYS 1240 recommended

Credits: 4

CHEM 3450 - Organic Chemistry I

Goals: To develop a broad understanding of practical and theoretical concepts of organic chemistry. Molecular orbital theory and valence bond resonance theory are invoked to describe and explain the reaction of organic molecules. Thermodynamic considerations of 3-dimensional molecular shape are discussed. Instrumental techniques for the assignment of molecular structure are a focus. Modern mechanistic theory of organic chemical reactions is developed in detail.

Content: Introduction to nomenclature, acid/base chemistry in context of organic chemistry, stereochemistry, and an overview of reaction types including substitution, addition, elimination and rearrangement. Some spectroscopy (IR, MS) is also covered.

Taught: Annually, fall

Prerequisite: CHEM 1140 or CHEM 1500 (grades of C- or better) or instructor permission

Credits: 4

CHEM 3450 - LAB: Organic Chemistry I

This lab must be taken concurrently with the CHEM 3450 lecture.

Credits: The lab itself has zero credit value.

CHEM 3460 - Organic Chemistry II

Goals: To further develop the theoretical concepts of organic chemistry and develop plausible synthetic and mechanistic pathways.

Content: Additional coverage of organic reactions including mechanisms associated with elimination, electrophilic substitution, electrophilic addition, free radical reactions, and pericyclic reactions. Chemistries of alkenes, alkynes, aromatics, pericyclic compounds, polymers, proteins and carbohydrates including reactions of intermediary metabolism. Spectroscopy (NMR) is emphasized.

Taught: Annually, spring

Prerequisite: CHEM 3450 (grade C- or better)

Credits: 4

CHEM 3460 - LAB: Organic Chemistry II

This lab must be taken concurrently with the CHEM 3460 lecture.

Credits: The lab itself has zero credit value.

CHEM 3550 - Physical Chemistry I

Goals: To introduce and develop fundamental concepts of thermodynamics and quantum mechanics and to further develop problem-solving techniques using advanced mathematical tools.

Content: The thermodynamics section introduces students to the study of the properties of gases, partition functions, a statistical foundation of thermodynamics, and the three laws of thermodynamics. The quantum mechanics section introduces the wave equation, probability, particle-in-a-box, basic rigid rotator and harmonic oscillator models for spectroscopy, and the hydrogen atom.

Taught: Annually, fall

Prerequisites: CHEM 1140 or 1500 (grade of C- or better), MATH 1180 (grade of C- or better), and PHYS 1240 (grade of C- or better) or co-registration; MATH 3320 is highly recommended

Credits: 4 credits

CHEM 3560 - Physical Chemistry II

Goals: To further develop concepts in thermodynamics and chemical kinetics and concepts of quantum mechanics and demonstrate applicability to real systems.

Content: This course continues using the material that was learned in part I to extend understanding of thermodynamics to phase equilibria, chemical equilibria, theory of solutions and chemical kinetics. Quantum mechanics continues with the introduction of the multielectron atomic system, then molecules and bonding, and applications in spectroscopy.

Taught: Every other year, spring

Prerequisites: CHEM 3550 (grade C- or better)

Credits: 4

CHEM 3700 - Chemical Biology

Goals: Chemical biology is a scientific discipline at the interface of chemistry and biology. This course explores the application of chemical techniques to manipulate and investigate biological systems.

Content: Current literature resources are used to understand diseases such as microbial and viral infections, heart disease, cancer, or neurodegenerative diseases. Topics may include the chemistry of amino acids, protein structure/dynamics elucidation, reactivity of biological molecules, chemical modification of proteins, peptidomimetics, native chemical ligation, and protein/ligand modeling.

Taught: Fall

Prerequisites: CHEM 3450 (grade C- or better)

Credits: 4

CHEM 3840 - Inorganic Chemistry

Goals: To introduce and develop classical and modern concepts of inorganic chemistry.

Content: Periodic, chemical, and physical properties of the elements; symmetry and group theory; ionic and covalent bonding; acid-base chemistry; kinetics and mechanisms; metals and semiconductors; electronic spectra of coordination complexes; organometallic and bioinorganic chemistry; the application of molecular orbital theory; and quantum mechanical calculations.

Taught: Annually

Prerequisite: CHEM 3240 with a grade of C- or better

Credits: 4

CHEM 3840 - LAB: Inorganic Chemistry

This lab must be taken concurrently with the CHEM 3840 lecture.

Credits: The lab itself has zero credit value.

CHEM 3940 - Advanced Laboratory Techniques

Goals: To provide instruction in some practical skills commonly used by professional chemists.

Content: Experimental design, laboratory manipulations, data analysis, searching the scientific literature, preparation and presentation of oral and written reports. Work in the fall term is coordinated with CHEM 3330 and emphasizes student-driven small group research projects along with instrument design, capabilities, and limitations.

Taught: Annually, fall term

Prerequisites: CHEM 3240, CHEM 3450, and co-registration with CHEM 3330

Credits: 2

CHEM 3950 - Physical Chemistry Laboratory Techniques

Goals: To provide instruction in some practical skills commonly used by chemists and engineers with an emphasis on techniques used in physical chemistry.

Content: Experimental design, laboratory manipulations, data analysis, searching the scientific literature, preparation and presentation of written lab notebooks, reports and journal articles. Work in the spring term is coordinated with the Physical Chemistry course 3560. The course laboratories investigate thermodynamic/quantum principles and properties using calorimetry, spectroscopy, conductivity, and computational techniques.

Taught: Annually, spring term

Prerequisites: CHEM 3550, co-registration with CHEM 3560

Credits: 2

CHEM 5820 - Advanced Analytical Chemistry

Goals: To further develop techniques for efficiently dealing with analytical problems relevant to chemical research and production.

Content: The analysis of real materials with attention to the literature of analytical chemistry and to the theoretical aspects of such topics as separation techniques and instrumental methods. Emphasis on the relationship between analytical problems and methods to solve them.

Taught: By request

Prerequisites: CHEM 3330 and CHEM 3450 or instructor permission; CHEM 3550 recommended

Credits: 4

CHEM 5860 - Advanced Organic Chemistry

Goals: To further develop skills in modern mechanistic theory, organophysical chemistry, and retrosynthetic analysis. Particular emphasis is placed on stereocontrol in synthetic applications.

Content: Concerted reactions, molecular orbital theory and organic synthesis are studied using current literature.

Taught: Alternate years

Prerequisites: CHEM 3460 and CHEM 3550 (grades of C- or better), or instructor permission

Credits: 4

CHEM 5880 - Advanced Physical Chemistry

Goals: To provide an advanced treatment of special topics in physical chemistry.

Content: Topics from statistical thermodynamics, molecular spectroscopy, kinetics, molecular mechanics, and polymer chemistry may be included.

Taught: By request

Prerequisite: CHEM 3560

Credits: 4

CHEM 5950 - Chemistry Seminar A

Goals: To introduce current topics in chemistry and biochemistry including presentations from the greater chemical community. To develop communication skills including writing, reading, listening and speaking. All juniors and seniors majoring in chemistry must attend as part of the degree requirement.

Content: This seminar course includes presentations by outside speakers, Hamline faculty, and junior and senior chemistry and biochemistry majors.

Taught: Each semester

Note: Three semesters of CHEM 5950 are required for chemistry majors.

Credits: 0.5

CHEM 5951 - Chemistry Seminar B

Goals: This is the final seminar requirement for students who are NOT completing an ACS certified degree. To introduce current topics in chemistry and biochemistry. To develop communication skills including writing, reading, listening and speaking. Students will be asked to complete evaluations on student speakers, a chemistry assessment assignment, and a writing reflection on their chemistry experience.

Content: This seminar course includes presentations by outside speakers, Hamline faculty, and junior and senior chemistry and biochemistry majors.

Note: Required for chemistry majors not completing ACS certification. CHEM 5951 is to be taken in the final semester, senior year, after completing three semesters of CHEM 5950 - Chemistry Seminar A.

Credits: 0.5

CHEM 5960 - Chemistry Research

Goals: To provide an opportunity to further develop research techniques and skills in the field of chemistry.

Content: An individual, original student research project in some field of chemistry, including reviewing the pertinent chemical literature, designing and carrying out laboratory experiments, writing an extensive paper, and presenting a formal seminar.

Taught: Each semester

Prerequisite: Instructor and department chair permission

Credits: variable

CHIN 1110 - Beginning Chinese I

Goals: To introduce students to 350 individual Chinese characters and to basic vocabulary and grammar; to enable students to do simple translation and make conversation.

Content: Reading, writing, speaking and listening are all equally emphasized in this course. The vocabulary covered includes words for familiar topics and those that deal with everyday situations.

Taught: Annually, in fall term

Credits: 4

CHIN 1120 - Beginning Chinese II

Goals: To introduce students to 400 individual Chinese characters and to basic vocabulary and grammar; to enable students to do simple translation and make conversation.

Content: Reading, writing, speaking and listening are all equally emphasized in this course. The vocabulary covered includes

words for familiar topics and those that deal with everyday situations.

Taught: Annually, in spring term

Prerequisite: CHIN 1110

Credits: 4

CHIN 3110 - Intermediate Chinese I

Goals: To enable students to read and comprehend short essays and stories in simple non-technical prose, to develop conversational ability and to master the vocabulary and grammar introduced in their readings.

Content: Stories about daily experiences in China.

Taught: Annually, in fall term

Prerequisite: CHIN 1120

Credits: 4

CHIN 3120 - Intermediate Chinese II

Goals: To enable students to read and comprehend short essays and stories in simple non-technical prose, to develop conversational ability and to master the vocabulary and grammar introduced in their readings.

Content: Stories about daily experiences in China.

Taught: Annually, in spring term

Prerequisite: CHIN 3110

Credits: 4

CHIN 3600 - Advanced Intermediate Chinese I

Goals: To enhance the ability to communicate in Chinese by further developing listening, speaking, reading, and writing; to further awareness of Chinese culture.

Content: Emphasis on reading comprehension and speaking; acquisition of new characters and grammatical structures; review of characters and grammar already studied.

Taught: Annually

Prerequisite: CHIN 3120

Credits: 4

CHIN 3620 - Advanced Intermediate Chinese II

Goals: As a continuation of CHIN 3600, to enhance the ability to communicate in Chinese by further developing listening, speaking, reading, and writing; to further awareness of Chinese culture.

Content: Emphasis on reading comprehension and speaking; acquisition of new characters and grammatical structures; review of characters and grammar already studied.

Taught: Annually

Prerequisite: CHIN 3600 or equivalent

Credits: 4

CJFS 1120 - Crime and Justice in America

Goals: To introduce students to the basic framework of the American criminal justice system.

Content: This course provides a broad overview of the American criminal justice system. The course examines

criminal justice decision-making, police, criminal law, courts, prisons, and the juvenile justice system. This course is designed to introduce students to these broad topical areas and to explore the issues of equality and treatment, and the efficacy of criminal justice policy within the contemporary American criminal justice system.

Taught: Fall and spring

Credits: 4

CJFS 1130 - Basics of Forensic Science

Goals: To introduce non-science students to the practice of forensic science.

Content: The nature of physical evidence and its role in the legal system; expert testimony; disciplines such as crime scene investigation, fingerprints, questioned documents, firearms, DNA, drugs, toxicology, fire debris, and trace microanalysis (hairs, glass, fibers).

Taught: Fall and spring

Corequisite: CJFS 1130 - LAB: Basics of Forensic Science

Note: You may not take CJFS 1130 if you have already completed CJFS 3400: Survey of Forensic Sciences.

Credits: 4

CJFS 1130 - LAB: Basics of Forensic Science

This lab must be taken concurrently with the CJFS 1130 lecture.

Credits: The lab itself has zero credit value.

CJFS 1140 - Quantitative Methods in Criminal Justice

Goals: The objective of this course is to introduce 1) the logic and methods of criminal justice research, 2) the nature of criminal justice data and its interpretation, and 3) the statistical knowledge and tools for data analysis. Students will gain a basic statistical literacy.

Content: This course will cover reading and understanding data on crime, sources of crime data, variable measurement, and descriptive and inferential statistics, including understanding samples, bivariate techniques, and an introduction to multivariate analyses.

Taught: Fall and spring

Prerequisite: CJFS 1120 or instructor consent

NOTE: There are 25 seats available for this course. Please note that 10 seats are reserved for declared CCJ majors. If the class is full (or shows 15 of 15 seats taken), you need to email the professor for an add slip.

Credits: 4

CJFS 1150 - Drugs and Society

Goals: To introduce students to the scope and impact of drug use in society, drug laws and policies, and how drugs affect the human body.

Content: This course examines the history of drug laws in society, forensic pharmacology and toxicology, and how science informs the use of evidence in the legal system and to a larger extent national drug policy.

Credits: 4

CJFS 1400 - Diversity Issues in Criminal Justice

Goals: To develop student's understanding of diversity in American Society, and develop increased understanding and awareness of student's own implicit and explicit biases regarding persons from different culture, race, ethnicity, national origin, age, gender, economic position, sexual orientation, and person with disability. Students will understand how these concepts relate to communication, attitudes, and behavior inside the criminal justice system to increase effectiveness in interactions between law enforcement and criminal justice professions with persons from diverse backgrounds.

Content: The course provides an overview of diversity and its importance in criminological studies and in the criminal justice system. The course will focus on issues related to race, gender, and economic equality and also disadvantaged persons from a variety of backgrounds to understand the relationship between the criminal justice system and citizens. The course content will cover historical and present social issues that relate to diversity and disparity in the criminal justice system.

Taught: Fall and spring

Prerequisite: CJFS 1120

Credits: 4

CJFS 3400 - Survey of Forensic Science

Goals: To develop knowledge of how ordinary, everyday objects become evidence and how that evidence is collected, analyzed, and interpreted; to gain experience in examining evidence, to practice providing written and oral reports on laboratory activities, and to develop skills in expert testimony.

Content: Roles and responsibilities of forensic scientists; the nature of physical evidence; evidence collection, analysis and interpretation; admissibility of scientific evidence; the scope, potential, and limitations of forensic science; the ethical responsibilities of forensic scientists; and oral and written communication through scientific presentations and report writing.

Taught: Annually

Prerequisite: CHEM 1130 or CHEM 1500

Corequisite: CJFS 3400 - LAB: Survey of Forensic Science

Credits: 4

CJFS 3400 - LAB: Survey of Forensic Science

This lab must be taken concurrently with the CJFS 3400 lecture.

Credits: The lab itself has zero credit value.

CJFS 3410 - Crime Scene Investigation and Reconstruction

Goals: To develop skills in the investigation of crime scenes; to recognize evidence; and to understand the role of physical evidence in the legal system.

Content: The role of crime scene investigation in the legal system; properties of evidence; evidence collection procedures; admissibility of evidence; and interpreting and reporting results.

Taught: Annually

Prerequisites: CJFS 3400

Credits: 2

CJFS 3420 - Forensic Biology

Goals: To develop skills in the analysis of biological evidence; and to understand the role of science in the legal system.

Content: Properties of biological evidence; evidence collection procedures; analysis and interpretation of evidence; reporting analysis results; and admissibility of evidence and expert testimony.

Taught: Annually

Prerequisites: CJFS 3400 and BIOL 3060

Credits: 2

CJFS 3430 - Forensic Document Examination

Goals: To develop skills in the examination of questioned documents; and to understand the role of science in the legal system.

Content: Properties of document evidence; evidence collection procedures; analysis and interpretation of evidence; reporting analysis results; and admissibility of evidence and expert testimony.

Taught: Annually

Prerequisites: CJFS 3400

Credits: 2

CJFS 3440 - Forensic Fingerprint Examination

Goals: To develop skills in the examination of fingerprints; and to understand the role of science in the legal system.

Content: Properties of fingerprint evidence; evidence collection procedures; analysis and interpretation of evidence; reporting analysis results; and admissibility of evidence and expert testimony.

Taught: Annually

Prerequisites: CJFS 3400

Credits: 2

CJFS 3450 - Forensic Firearm and Toolmark Examination

Goals: To develop skills in applying the techniques used by forensic scientists in examining firearms and toolmarks, and to understand the role of science in medico-legal and forensic contexts.

Content: Course content will focus on the role forensic firearm and tool mark examination in civil and criminal cases. Content specific to forensic firearm and toolmark examination will include properties of evidence,

admissibility of evidence and expert testimony, evidence collection procedures, methods of evidence analyses, and interpretation and communication of results.

Taught: Annually

Prerequisites: CJFS 3400

Credits: 2

CJFS 3600 - Forensic Microscopy

Goals: To develop knowledge of the principles and methods of handling, analyzing, and interpreting forensic microscopic evidence.

Content: Forensic microscopy: using stereo, brightfield, and polarized light microscopy to examine and compare hairs, fibers, glass, drugs and other evidence using refractive index, birefringence, microcrystal morphology and other techniques. Ethics in the forensic sciences: quality in the forensic science laboratory; the responsibilities of forensic scientists; and expert testimony.

Taught: Annually, spring

Prerequisites: CHEM 1140 and CJFS 3400 with grades of C- or better

Corequisite: CJFS 3600 - LAB: Forensic Microscopy

Credits: 4

CJFS 3600 - LAB: Forensic Microscopy

This lab must be taken concurrently with the CJFS 3600 lecture.

Credits: The lab itself has zero credit value.

CJFS 3610 - Forensic Toxicology

Goals: To develop knowledge of the principles and methods of analyzing human subject samples for alcohol and other drugs and interpreting alcohol and drugs test results.

Content: Death investigation toxicology; human performance toxicology; forensic workplace drug testing; drug metabolism; pharmacokinetics and pharmacodynamics; analytical techniques; interpreting drug test results; expert witness testimony; working with attorneys.

Taught: Annually, spring

Prerequisite: CHEM 3450

Credits: 4

CJFS 3650 - Forensic Science Internship

Goals: To enable students to pursue internships and explore the connections between forensic science knowledge and experience in forensic science or related agencies; and to integrate internship experiences with their academic coursework.

Content: Designing and completing an independent research project at a crime lab or medical examiner office; maintaining a reflective journal and discussing the internship experience; preparing a paper and delivering a presentation about the research findings.

Prerequisite: CJFS 3400

Note 1: Forensic science students majoring in criminal justice may take CJFS 5660 to complete this requirement.

Note 2: Students should contact the instructor well in advance of the beginning of the semester to discuss their internship placement site to assure prompt commencement of the internship.

Note 3: Students interested in pursuing a laboratory internship must have, at the time of registration, no less than a 2.7 GPA in the natural science courses and a cumulative GPA of no less than 3.0.

Credits: 4

CJFS 3660 - Forensic Psychology and the Law

Goals: To introduce students to the latest theory, research, and practice of forensic psychology in the criminal justice system.

Content: This course examines the role that forensic psychology plays in the criminal justice system. Students will critically examine forensic psychology policy and procedure through a social scientific lens. Students will explore a variety of forensic psychology topics including assessment, expert testimony, psychopathy, the insanity defense, competency, lie detection, eyewitness identification, and sexual offenses.

Prerequisite: CJFS 1120 or LGST 1110, or instructor permission

Credits: 4

CJFS 3700 - Policing in America

Goals: The objectives for this course are for students to understand police organizations/operations from a social science perspective.

Content: The course covers topics related to police conduct, community policing, police subculture, professionalization of the police, ethical decision making in law enforcement and evidence-based policing.

Taught: Annually

Prerequisite: CJFS 1120 or LGST 1110, or instructor permission

Credits: 4

CJFS 3710 - Criminal Law and Practice

Goals: To acquaint the student with the theory and practice of substantive criminal law.

Content: A study of the substantive aspects of criminal law, including traditional elements of crimes, statutory definitions, and judicial interpretations of specific crimes and motor vehicle offenses, as well as inchoate crimes, defenses to legal liability, and sentencing procedure.

Taught: Annually

Prerequisite: CJFS 1120 or LGST 1110, or instructor permission

Credits: 4

CJFS 3715 - Mental Illness in Criminal Justice

Goals: To develop an understanding of mental illness within the criminal justice system by examining research, public policy, history, and contemporary issues.

Content: Students will understand how serious mental illness interacts with policing, courts, and corrections. Topics include the relationship between mental illness and crime, the criminalization of mental illness, mental illness in jails and prisons, evidence based practices for working with mentally ill offenders, de-escalation techniques for police officers, and prevention and intervention policies.

Taught: Annually

Prerequisite: CJFS 1120 or LGST 1110

Credits: 4

CJFS 3720 - Constitutional Issues in Criminal Procedure

Goals: To acquaint the student with the theory and practice of criminal procedural law.

Content: An overview and critical examination of the procedural aspects of criminal law and issues relating to constitutional protections against unreasonable searches and seizures, unlawful gathering of incriminating evidence through interrogation and identification procedures, and the provision of legal counsel in criminal matters.

Taught: Annually

Prerequisite: CJFS 1120 or LGST 1110, or instructor permission

Credits: 4

CJFS 3730 - Victimology

Goals: To introduce students to the field of victimology through research, theory, history, policy and exploration of victims' roles in the criminal justice system and society.

Content: This course examines research on victimization including trends and rates of occurrence, current theoretical explanations of victimization, the history and development of the crime victims' rights movement in the United States, policies aimed at helping victims, and consequences of victimization for victims and society.

Taught: Annually

Prerequisite: CJFS 1120 or LGST 1110 or PSY 1330 or SOC 1110, or instructor permission

Credits: 4

CJFS 3740 - Courts and Sentencing

Goals: To introduce students to the history and current practices of the American criminal court system through the exploration of empirical research and theoretical frameworks.

Content: This course examines the role that the criminal court plays in society. It explores courtroom decision making from an interdisciplinary perspective, drawing on research and theory from criminological, sociological, and organizational perspectives. Specific topics include empirical research and theory on bail and pre-trial procedures, the roles and decisions of prosecutors, defense attorneys, judges, and juries, plea bargaining practices, sentencing guidelines, mandatory minimums and truth-in-sentencing reforms.

Taught: Annually

Prerequisite: CJFS 1120 or LGST 1110, or instructor permission

Credits: 4

CJFS 3750 - Theories of Criminal Behavior

Goal: The objectives for this course are for students to understand the causes of crime and why individuals commit crimes.

Content: The focus of this course are theories of crime and of criminal behavior and the contexts (individual and societal characteristics, family, and neighborhood) associated with crime and offending.

Taught: Fall and spring

Prerequisite: CJFS 1120 with a grade of C- or better; for CCJ majors, it is strongly recommended that you complete CJFS 1140 prior to enrolling in this class

Credits: 4

CJFS 3760 - Juvenile Delinquency/Juvenile Justice

Goals: To acquaint the student with the history and inception of the juvenile court; the evolution of adolescence; understand, evaluate and apply theories of delinquency; and describe the organization of the juvenile justice system and intervention strategies.

Content: Topics covered in this course include the historical development of the concept of delinquency, theories related to delinquent behavior, and how theories influence and impact the development of juvenile justice policy. The course will also cover the structure and operations of the juvenile justice system, and examine recent legal reforms and juvenile correctional strategies employed by professionals today.

Taught: Annually, spring

Prerequisite: CJFS 1120 or LGST 1110 or PSY 1330 or SOC 1110, or instructor permission

For CCJ majors, it is strongly encouraged that you complete CJFS 1140 and CJFS 3750 prior to enrolling in this course.

Note: This course is an approved elective for sociology and psychology majors.

Credits: 4

CJFS 3770 - Punishment, Corrections and Society

Goals: The objectives of this course are to provide students with an in-depth understanding of the issues and methods of punishment and social control used within American correctional practice and to review the empirical research assessing the effectiveness of correctional practice.

Content: This course examines theories of punishment and asks questions such as "Why do we punish and how much? Is punishment a deterrent for future criminal offending behavior? What are current correctional, sentencing, and punishment techniques being used in the United States? The course will also cover theories of punishment, the structure and operations of the U.S jail, prison, and

correction systems, and explore current correctional policies and their impact on individuals and society.

Taught: Annually

Prerequisite: CJFS 1120 or LGST 1110 or PSY 1330 or SOC 1110 or SOCJ 1100

For CCJ majors, it is strongly recommended that you complete CJFS 1140 prior to enrolling in this course.

Credits: 4

CJFS 3780 - International Crime and Justice

Goals: Introduce students to both the rates and definitions of crime and administration of justice from a global perspective.

Content: This course presents an introduction to crime and criminal justice systems in a global perspective. We compare crime and criminal justice in the United States to countries around the world to understand the interconnections between culture, politics, crime, and the administration of justice. Beyond this, we focus on inherently international (and contentious) issues in criminal justice including globalization, terrorism, drug trafficking, war crimes, human rights, and the International Criminal Court (ICC).

Prerequisite: CJFS 1120 or LGST 1110 or SOC 1110, or instructor permission

Note: Students seeking a major in political science are invited to explore the content of this course with the professor for enrollment.

Credits: 4

CJFS 5400 - Forensic Science Seminar

Goals: To foster awareness and recognition of: the professional responsibilities of forensic scientists that go beyond the examination of physical evidence; and legal and scientific challenges to the interpretation of physical evidence examinations.

Content: To investigate issues that affect the practice of forensic science in the US, such as: challenges to the scientific basis and reliability of forensic science disciplines and techniques; key legal rulings on the admissibility of scientific evidence; laboratory accreditation and professional certification; ethics; and expert testimony.

Taught: Annually, spring

Prerequisites: CJFS 3400 and 12 credits in forensic science courses

Credits: Credits: 4

CJFS 5660 - Senior Capstone and Internship in Criminology and Criminal Justice

Goals: To reflect and summarize the CCJ major experience. To enable students to pursue internships and explore the connections between criminal justice knowledge and skills and experiences in professional workplace settings.

Content: A reflection and culmination of the CCJ major experience. Also a transition from Hamline to career. An

exploration and application of criminology and criminal justice concepts to professional workplace practice; independent research projects and frequent on-campus seminars are designed to connect academic and internship experiences.

Taught: Fall and spring

Prerequisites: CJFS 1140, CJFS 3750, and senior standing

Note: The internship must be completed concurrently with the course. Students should contact the instructor well in advance of the beginning of the semester to discuss their internship placement site to assure prompt commencement of the internship.

Credits: 4

CJFS 5790 - Crime Policy Evaluation

Goals: The goal for this course is to cover "hot topic" crime programs and policies from a practitioner and research perspective. This course will be both writing and speaking intensive. By the end of the course, students will be able to describe and evaluate both the justification for use and efficacy of special criminal justice and crime policies using the crime policy evaluation hierarchy.

Content: Topics covered include, but are not limited to:

Supermax prisons, juvenile waiver and transfer laws, drug policy, sex offender laws, and prisoner reentry initiatives.

Taught: Every other year

Prerequisites: CJFS 1120, CJFS 1140, CJFS 3750, and junior or senior standing, or instructor permission

Credits: 4

COMM 1100 - Introduction to Communication Studies

Goals: To introduce students to the field of communication studies by providing an overview of approaches to studying communication in a variety of contexts.

Content: An examination of the research and theory related to the dynamics of human communication. The process of attributing and sharing meaning, the effects of nonverbal behavior on interpretation and meaning attribution, the factors influencing interpersonal, small group, organizational, intercultural, and media in the digital age.

Taught: Annually

Prerequisites: None

Credits: 4

COMM 1110 - Public Speaking

Goals: To help students gain real-life skills in speaking in public, gain confidence, and enhance their ability to deliver oral presentations; to help students achieve the ability to undertake the research process, reason, and effectively identify what needs to be said in a given situation as well as the best way to say it; to practice the skills of critical listening, critical analysis of arguments, and effective advocacy that can enable students to become more engaged in effective and ethical public discourse.

Content: Theories of communication in public settings; factors influencing message creation, construction, and interpretation; utilizing research and evidence in creating effective arguments; adaptation to the communication situation and audience; addressing the diversity of values and viewpoints held by audience members; ethical issues in public communication; factors influencing effective delivery; stagefright.

Taught: Annually

Prerequisites: None

Credits: 4

COMM 1320 - Introduction to Critical Media Studies

Goals: To introduce students to conceptual frameworks of critical media studies; to create savvy media consumers by teaching them to understand forces behind media institutions that influence the ways they create messages; to learn to construct and express oral arguments pertaining to media issues more effectively and more academically.

Content: New media and old media, media theory, communications infrastructure, media ownership, media impact, media policy and law, media ethics.

Taught: Annually

Prerequisites: None

Credits: 4

COMM 1650 - Argumentation and Advocacy

Goals: To study argumentation theories, including historical perspectives and current approaches; to understand arguments as a method of inquiry and advocacy, and as a problem-solving tool; to consider the ethical implications of formal and informal argument; to increase skills in critical thinking, in evaluation of evidence and reasoning, in developing strategies for the invention of persuasive argument, in evaluating formal and informal argument, and in justifying argumentation choices. To learn to construct and express oral arguments effectively in a public setting.

Content: Analysis of theories and strategies of argumentation; application of principles and theories of argumentation; emphasis on critical assessment of argumentation in a variety of contexts and media.

Taught: Annually

Prerequisites: None

Credits: 4

COMM 3300 - Communication Research Methods

Goals: To introduce a range of research methods used in studying communication; to develop an understanding of the purposes of communication research; to learn how to design a research project; to identify strengths and limitations of various research methods; to develop an appreciation of ethical issues in research.

Content: Various types of research methods, both qualitative and quantitative, such as experimental research, survey

research, ethnographic research, textual analysis, content analysis, historical/critical research.

Taught: Annually

Prerequisite: COMM 1100 or consent of the instructor

Note: This course must be completed by the end of the junior year to be eligible for departmental honors. It is also a prerequisite for the Senior Research Seminar (COMM 5900).

Credits: 4

COMM 3320 - Media in the Digital Age

Goals: To develop a capacity for strategic thinking and understanding of the creation, dissemination, consumption, and impact of mass media messages in the digital age.

Content: Analysis of theoretical approaches to studying and understanding traditional and convergent mass media messages in the digital age. The course examines historical development, current trends in media and communication technology as well as legal and ethical issues that affect individuals, society, democracy and a global community.

Taught: Annually

Prerequisite: COMM 1100 or COMM 1320, acceptance into the international journalism certificate program, or consent of the instructor

Credits: 4

COMM 3360 - Interpersonal Communication

Goals: To help students understand more about the ways communication functions in individual face-to-face interactions, including factors that influence interpretation, relationship development, and conflict managements. Students have opportunities to examine their own individual communication interaction patterns in interpersonal situations.

Content: Examination of communication and self-image, impression management, self-disclosure, verbal and nonverbal codes, listening, relationship development and maintenance, conflict in face-to-face situations, interpersonal interaction and social media, analysis of communication interactions. Attention is given to theoretical as well as practical applications.

Taught: Annually

Prerequisites: None

Credits: 4

COMM 3370 - Family Communication

Goals: To introduce students to a wide variety of theories that attempt to describe, explain, and analyze the different kinds of issues and interpersonal dynamics in the field of family communication; to become familiar with the ways that research is conducted in family communication and to gain an understanding of the results of that research.

Content: Theories of family communication. Interpretative, quantitative, and critical approaches to doing research in the field of family communication. Spousal, sibling, and

parent/child communication patterns. Cultural differences in family functioning and family communication. Conflict management in families. Changes in family dynamics over the lifespan of a family. Single parent families, stepfamilies, blended families, and gay and lesbian families.

Communication patterns in families with adopted children and biracial children. Families dealing with crisis.

Taught: Alternate years

Prerequisite: None

Credits: 4

COMM 3380 - Small Group Communication

Goals: To provide real-life experience in small task-oriented groups in order to examine communication interaction in small groups and teams; to gain an understanding of how group interactions and processes are influenced by communication, and how group interactions and processes in turn affect communication patterns; to gain an understanding of task issues as well as interpersonal relationships in groups and teams, and how communication affects both; to provide opportunities to examine individual communication interaction patterns.

Content: Theories of communication as it functions in teams and small groups; problem-solving processes; phases of small-group interaction; development of norms, roles, group cohesiveness, climate, productivity, and leadership; analysis of the impact of power, status, conflict, and conformity on small-group and team interaction; pragmatic skills related to group presentations; methods to enhance group productivity.

Taught: Annually

Prerequisite: COMM 1100 or junior/senior standing

Credits: 4

COMM 3390 - Organizational Communication

Goals: To introduce the role of communication in organizational settings, with particular emphasis upon examining organizational dynamics as communication processes; to introduce classic and contemporary organizational communication theoretical approaches; to gain skills in applying theoretical concepts to the investigation of communication issues in actual organizations; to examine processes of organizational communication, including culture, socialization, leadership, technological processes, and diversity management processes.

Content: Organizational communication theories, approaches, perspectives, functions, and structures; organizational culture; communication processes in organizations; methods for conducting research in organizational settings.

Taught: Annually

Prerequisite: COMM 1100 or consent of the instructor

Credits: 4

COMM 3420 - Media in Global Perspective

Goals: To help students gain a theoretical and practical perspective on global mass media systems, both as national and international purveyors of information and culture. To examine and critically analyze the factors influencing media operations and content, including foreign policy, transnational media corporations, global civil society movement and digital media technology.

Content: Examination of social, cultural, political, technical, regulatory, economic, and linguistic factors that influence media systems around the world; examination of foreign policy, transnational media corporations, global civil society movement and digital media technology; analysis of national laws, ethics, and norms in relation to media systems, including patterns of import and export of media products, analysis of the relationship between media and culture.

Taught: Annually

Prerequisites: COMM 1100 or COMM 1320 or consent of the instructor or the director of the international journalism certificate program

Credits: 4

COMM 3460 - Intercultural Communication

Goals: To study the nature of communication as it is affected by cultural and co-cultural variables; to become familiar with philosophies and approaches to the study of communication and diversity; to experience dynamics of intercultural communication; to examine the relationship between culture and perception, thought, language, and behavior; to examine how culture influences and plays a role in public and private communication interactions (e.g., interpersonal relationships, communication in small-group and organizational settings, argumentation, mass communication).

Content: Philosophies and theories of intercultural communication; application of concepts and issues to actual experiences; discussion of the influence of culture on all aspects of communication; emphasis is on understanding the relationship of culture to communicative practices and meaning systems.

Taught: Annually

Prerequisite: COMM 1100 strongly recommended

Credits: 4

COMM 3480 - Media and Global Environmental Conflicts

Goals: This course examines the role news and popular media (e.g. advertising, micro-marketing, social networking such as web 2.0) play in setting agenda and constructing meanings of various issues in global environmental discourse. The students will learn to expand understanding in how language and image shape human perception about the natural world; to critically examine the structures and implications of environmental representation; to analyze the ways in which environmental issues are framed by different media; and to understand the complex relationship between economic

development that fosters consumer culture and the environment.

Content: The course is presented in the forms of both theoretical analysis and practical media writing. The coursework involves general reading and discussion on different stages of world development, social change, environmental impacts, and the global politics of sustainable development with a central focus on how mass media make meanings of these issues.

Note: Student evaluation is based on class participation, discussion, examinations, essays and the student's weblog production.

Taught: Annually

Prerequisite: COMM 1100 or COMM 1320

Credits: 4

COMM 3560 - Communication in Conflict Situations

Goals: To learn about the dynamics of communication interaction in conflict situations; to explore approaches to dealing with conflict, including examining the strengths and weaknesses associated with communication styles, tactics, strategies, uses and expressions of power, the impact of "face," the impact of culture, and framing; to become familiar with and examine the role of third-party intervention; to develop greater awareness of the consequences associated with one's own communicative choices in conflict situations.

Content: The role that communication plays in conflict situations, the general principles of communication in conflict, including the way communities develop and share symbolic world views that may come into conflict with those held by different communities. Examination of approaches to dealing with conflicts, such as problem resolution approaches, mediation, and negotiation strategies. Students will apply the theoretical perspectives to individual interpersonal conflict situations as well as to contemporary societal conflicts.

Taught: Alternate years

Prerequisite: None

Credits: 4

COMM 3630 - Persuasion

Goals: To develop insight into the role of strategic communication in advocating ideas, establishing identification, and influencing policy and people; to learn how to analyze the components of strategic communication and persuasive campaigns in a variety of fields; to apply rhetorical and persuasion theory in creating, analyzing, and critically examining strategic messages.

Content: The diverse purposes of strategic communication and the influence of communication environments on strategic communicative choices. Discussion of attitude and behavioral change as influenced by symbolic processes. Critical analysis of persuasive messages and campaigns. How to undertake research and planning in developing communication approaches to a variety of situations.

Taught: Annually

Prerequisite: COMM 1100 or COMM 1650, or consent of the instructor

Credits: 4

COMM 3639 - Persuasive Cases and Campaigns

Goals: In this course we use a rhetorical perspective to investigate the relevance of campaigns and messaging in civil, democratic societies. The course familiarizes students with the practice of campaigning and building cases by groups, institutions, and corporations. Students will explore the properties of public campaigns, and they will practice varied critical approaches used by communication theorists studying campaigns. Students will be challenged to critically consume public relations messages, and they will be asked to practice the skills associated with excellent public campaigning.

Content: This course explores theoretical understandings of how media figures, individuals, politicians, government organizations, nonprofits, corporations, and other organizations communicate with public audiences. Students will investigate how messages are tailored to fit campaigns, political ideologies, corporate frameworks, and institutional goals. The class will examine the history of public relations, the ethical questions associated with campaigns and messages, and critical issues in public campaigning. Students will encounter various theoretical approaches from the rhetorical, critical and excellence models. Students will analyze historical cases and discuss the role of public relations in civil society.

Taught: Alternate years

Prerequisite: COMM 1650 is recommended

Credits: 4

COMM 3670 - Gender, Communication, and Knowledge

Goals: To increase awareness of the relationship of communication and gender; the portrayal of gender in public discourse; the influence of gender socialization in developing communicative behaviors and interpretive frames; and the implications of societal response to communication as it relates to gender.

Content: Examination of research into gender differences and communication; examination of public messages as they influence perceptions of women and men; analysis of historical processes as they have influenced current perceptions of gender.

Taught: Annually

Prerequisite: COMM 1100 or WSTD 1010 strongly recommended

Credits: 4

COMM 3960 - Field Experience Seminar

Goals: To support and strengthen the academic component of internships and field experiences.

Content: A focus on the workplace experience in the context of the liberal arts and communication research findings.

Taught: Periodically

Prerequisite: Consent of the instructor

Note: All planning and paperwork for internship placement must be completed in the fall term preceding the spring internship. See departmental guidelines.

Credits: 4

COMM 5650 - Western Rhetorical Theory

Goals: To gain an understanding of how Western theorists have attempted to explain communication processes, in particular how public communication has been studied, explained, taught, and criticized. To examine the ways in which these theoretical approaches have influenced current thinking about the kinds of communications and voices that are considered legitimate, dismissed or discounted and why that might happen. To consider the implications of these perspectives and limitations on what is taken to be knowledge.

Content: Theories of public communication from the sophists and philosophers of ancient Greece and Rome, through the Medieval period, Renaissance and the Enlightenment, to contemporary times. Emphasis is on understanding how ideas about communication evolved over time, the implications of these perspectives for those who do not have power in society as well as for those who do, and the application of these ideas in the world of today.

Taught: Annually

Prerequisite: None, but junior/senior standing is recommended

Credits: 4

COMM 5900 - Senior Research Seminar

Goals: To synthesize prior learning in the communication studies discipline through a senior capstone experience; to explore significant issues in communication studies through intensive individual research.

Content: Individual students will engage in and present the results of major independent research projects that apply the knowledge and skills they have gained in the discipline. The seminar affords an opportunity for students to pursue individual interests in communication studies in depth.

Taught: Annually

Prerequisites: COMM 1100, COMM 3300, completion of at least 32 credits in the major, senior standing, and consent of the instructor

Note: Course is restricted to senior majors only.

Credits: 4

CSCI 1250 - Introduction to Computer Science

Goals: To help students develop greater precision in their algorithmic thinking by writing moderate-sized programs for a variety of applications, including but not limited to biology, chemistry, economics, literary studies, and mathematics.

Content: Students will learn the fundamentals of computer programming (loop structures, if-else statements, Boolean expressions, and arrays) to solve problems from different disciplines. A short introduction to object-oriented programming is also given. This course is taught using C++.

Prerequisite: High school algebra

Credits: 4

CSCI 1500 - Introduction to Databases

Goals: To understand the basics of designing, implementing, and using a database management system; to understand the difference among the three basic types of database systems: relational, hierarchical and network; to learn to use a commercially available database management system. In past years, this course has been taught using Microsoft Access.

Content: Theoretical foundations of databases, query languages such as SQL, hands-on experience implementing a relational database.

Taught: Periodically

Credits: 4

CSCI 3150 - Data Structures

Goals: The student will start from a basic knowledge of programming acquired in CSCI 1250 and further that knowledge by a study of recursion, pointers, and common programming structures needed for implementation of larger and more complex programs.

Content: Linked lists, stacks, queues, sets, trees, graphs.

Prerequisite: CSCI 1250

Credits: 4

DMA 1100 - Introduction to Digital Media Arts

Goals: To outfit students with a conceptual and technical foundation for making digital media art.

Content: This course positions digital media arts as the interdisciplinary intersection of art and media. Combining hands-on projects with readings and discussions, students will consider key concepts of new media and question the impact of these media on contemporary culture through creative production. Students will spend the semester studying and developing art projects in a range of digital forms: web pages, raster images, motion graphics, 3d images and prints, and interactive games.

Taught: Annually, fall and spring

Credits: 4

DMA 1120 - Fundamentals of Design

Goals: To enable students to apply basic formal principles of visual design in the creation and analysis of simple 2d digital media projects. Enable students to apply design thinking strategies to develop an effective work process in design.

Content: Through a series of hands-on projects utilizing a variety of materials and methods, this course introduces students to the fundamental concepts of visual design:

picture plane, figure/ground relationships, scale and proportions, pattern, composition, value, color, methods for conveying time and spatial illusion. In addition to introducing formal design strategies, the course examines issues of content and the historical/cultural context in which works of art are produced.

Taught: Fall and Spring semesters

Credits: 4

DMA 1410 - Digital Photography I

Crosslisted: Also listed as ART 1900

Goals: To develop fundamental abilities in photography including mastering technical vocabulary, understanding of the photographic process, managing digital files, basic photo editing and adjustment, printing techniques.

Content: Technical vocabulary and required skills, parts of the camera, understanding camera controls and options, framing a shot, shooting successfully in different conditions.

Participants will also gain knowledge of the history of the development of photography and practice in analyzing and critiquing photographic images.

Taught: Annually, fall and spring

Note: Students with extensive experience in Digital

Photography should contact the Department for a portfolio review to see if their work qualifies them for a 3000 level photography course.

Credits: 4

DMA 1420 - Introduction to Digital Video

Goals: To enable students to develop an informed and personal approach to making digital video art. To master contemporary production techniques. To develop and refine perceptive, expressive and critical skills.

Content: This course is a hands-on workshop in the fundamentals of using digital video as an expressive time-based medium. By solving a series of creative challenges students will learn the basic properties of video form and master rudimentary technical skills required to shoot, edit, and finish HD video.

Taught: Annually

Note: Students with extensive video production experience should contact the Department for a portfolio review to see if their work qualifies them for a 3000 level video course.

Credits: 4

DMA 1450 - Introduction to Graphic Design

Goals: To develop basic skill sets and fundamental conceptual frameworks for both creating and analyzing graphic communications across a variety of communication uses.

Content: The course covers the process of research, ideation, digital concept development and final execution to deliver design solutions that follow rules and trends found in the study of graphic design. Students will study how a page/screen is "read" by a viewer, theories of design and emerging trends in graphic communication.

Taught: Annually
Prerequisite: DMA 1120
Credits: 4

DMA 1460 - Web Design

Goals: To develop basic technical skills and conceptual framework for creating engaging web sites using HTML and CSS.

Content: Web Design is a project-based course covering an overview of internet operations, hand-coding pages with HTML5/CSS3, utilizing an editor, optimizing media for web use, managing site materials, applying visual design principles to web products, analyzing interactive design and usability. Students spend the semester building a web site with industry standard tools.

Taught: Annually
Credits: 4

DMA 1470 - Introduction to Animation

Goals: To develop basic skills in the creation of animated characters and environments sufficient to sustain a short narrative. To develop the critical and technical skills necessary to form and evaluate animated work for its abilities to sustain a narrative and/or critically communicate to an intended audience.

Content: An overview of the development of digital animation as an artist's tool, work flow processes in animation design and realization, software options and uses for digital animation, storyboard creation and constructing an animation sequence. Students will be working on a number of animation projects during the semester.

Taught: Every other year

Note: Students with extensive animation production experience should contact the Department for a portfolio review to see if their work qualifies them for a 3000 level course.

Credits: 4

DMA 1480 - Introduction to Digital Audio

Goals: To develop basic skills in the creation and critical analysis of digital audio production and playback.

Content: The course provides basic skills in both field and studio audio recording techniques. Technical content includes operation of sound boards, microphone selection and placement, working with both spoken word and musical performances in live settings, and editing techniques and practices. The course also includes units on critical analysis of sound production, copyright issues, and the development of audio recording.

Taught: Annually
Credits: 4

DMA 3410 - Digital Photography II

Crosslisted: Also listed as ART 3900

Goals: To build on the skills developed in DMA 1410 through more advanced camera operations, enhanced editing work (including Photoshop), understanding of the advantages and disadvantages of different file formats, advance printing and image manipulation work.

Content: Camera control in manual operations under different conditions, managing technically complex shots, effectively using lenses and filters. Image adjustment in Photoshop. History of recent developments in digital photography. Tutorials in analyzing and critiquing photographic work.

Taught: Annually
Prerequisites: DMA 1410 or approval of instructor based on portfolio review
Credits: 4

DMA 3420 - Advanced Video Production

Goals: Building on the fundamentals learned in Introduction to Digital Video, students will develop advanced and emerging video production techniques to create work that is targeted towards understanding and developing specialized contemporary forms.

Content: Advanced video production techniques will be realized through hands-on video projects geared towards a specialized topic. Students will learn the history and theory of the video production topic at hand and apply that knowledge to contemporary practices.

Taught: Once per year, alternating semesters
Prerequisites: DMA 1420 or approval of instructor based on portfolio review. DMA 1480 is strongly recommended.
Credits: 4

DMA 3450 - Advanced Graphic Design

Goals: To build project development skills: idea generation, sketching, refinement, project planning and timely completion of projects. To refine graphic design software skills, develop the ability to evaluate design using advanced principles and proper industry vocabulary. To extend knowledge of the historical influence on design.

Content: This is a studio-based project course in which students utilize their knowledge of design, typography, and production techniques to produce a portfolio of designed artifacts. The course combines seminar, critiques and lab production. It includes extensive development of design skills through critiques, practice articulating design concepts through peer evaluation, the application of effective design strategies and the study and discussion of design history.

Taught: Alternate years
Prerequisite: ART 1130 and DMA 1450
Credits: 4

DMA 3460 - Advanced Web Design

Goals: To enable students to integrate Javascript, HTML, CSS for control of visual appearance and interactivity of web pages and apply basic principles of interactive design.

Content: This is a project-based course in which students learn to harness the full power of HTML5 through the integration of three web technologies: HTML, CSS and Javascript. By building highly interactive web experiences, students learn the fundamentals of controlling visual appearance of the web page through JavaScript programming. In addition, the course explores the basic principles of interactive design.

Taught: Alternate Years

Prerequisite: DMA 1460

Credits: 4

DMA 3480 - Digital Audio Recording and Mixing

Goals: To teach the technical and analytical skills required to produce clean and well-balanced audio from live or pre-recorded sources. To learn how to mix a number of independent sources into a well-balanced composite for live feed or for recordings, whether music or spoken word.

Content: This is a theory to practice course that includes microphone selection and placement, understanding audio flow and manipulation, recording and mixing using a digital workstation, mixer board set-up and signal amplification.

Taught: Alternate years

Prerequisite: DMA 1480

Credits: 4

DMA 5910 - Digital Media Arts Senior Seminar I

Goals: To integrate core formal principles, technical skills and critical analysis of digital media in the proposal and design of a senior project and to develop an effective work process for independent creation.

Content: This is the first part of the two semester capstone sequence in the Digital Media Arts major. In this course each student synthesizes technical and critical learning in the discipline toward the proposal and development of a major media art project. Students will spend two semesters working closely with faculty to develop a project from initial concept to final exhibition.

Taught: Annually

Prerequisites: Open to DMA majors only. DMA 1100 and the completion of a significant part of the course work for the major.

Credits: 2

DMA 5920 - Digital Media Arts Senior Seminar II

Goals: To integrate core formal principles, technical skills and critical analysis of digital media in the completion of a senior project and to present and reflect upon that work.

Content: This is the second part of the two semester capstone sequence in the Digital Media Arts major. In this course each student synthesizes technical and critical learning in the discipline through the realization of a major media art

project and its exhibition. On completion of the project, students compose a reflective analysis of the realized project and discuss their work with a faculty committee.

Taught: Annually

Prerequisite: DMA 5910

Credits: 2

EAST 5960 - Research in East Asian Studies

Goals: To provide experience for advanced East Asian studies majors in research and writing using primary source materials as much as possible--government documents, manuscripts, literature, or interviews.

Content: This course promotes student interest in either developing a new area or deepening current knowledge.

Prerequisite: Consent of instructor. This course is also open to non-East Asian studies majors.

Credits: 4

ECON 1310 - Microeconomic Analysis

Goals: To introduce students to theory relating to the economic decisions made by individual consumers and firms in a market economy and to examine the role of government in domestic and international markets.

Content: The topic of this course, deals in depth with choices, especially consumer behavior and the spending decisions, the production decisions of the business firm and how prices and wages are determined in the output and input markets. In addition, this course analyzes consumer and business behavior under various competitive and imperfect conditions, as well as the implications of these for society. We will also study the ramifications of various government policies, predicting the effects of those policies, both positive and negative, on market participants using events and situations in the world.

Credits: 4

ECON 1320 - Macroeconomic Analysis

Goals: To acquaint students with the structural framework and principles involved in the determination of the level of aggregate economic activity: national income, output, employment, money supply and demand, price levels and open economy macroeconomics.

Content: Analysis of problems of unemployment, inflation, economic growth, trade, money and credit, balance of payments and government policy.

Credits: 4

ECON 3110 - Intermediate Microeconomics

Goals: To deepen students' understanding of microeconomic theory, building on the foundation they received in *Microeconomic Analysis*. Students will learn how to express, analyze, and interpret models of individual behavior using graphical, algebraic and calculus-based methods.

Content: This course will examine theories of consumer and producer behavior in a variety of economic contexts.

Optimization techniques, graphical analysis, and game theory methodology will be used to explore allocation decisions made inside households, firms or governmental units.

Prerequisites: ECON 1310, ECON 1320, QMBE 1310 or PSY 1340 or MATH 1200, and MATH 1170 (grade of C- or better required for all courses), or consent of the instructor.

Credits: 4

ECON 3120 - Intermediate Macroeconomics

Goals: To understand and apply methods used in economics to analyze the gross domestic product, inflation, money supply and demand, employment levels, exchange rates and economic growth.

Content: The course explores theories that explain the behavior of GDP and related variables. Keynesian, monetarist, and other models are studied.

Taught: Annually

Prerequisites: ECON 1310, ECON 1320, QMBE 1310 or PSY 1340 or MATH 1200, and MATH 1170 (grade of C- or better required for all courses), or consent of the instructor.

Credits: 4

ECON 3710 - Labor Economics

Goals: To provide students a well-balanced presentation of models of labor economics, applications, policies, and major analytic areas within labor economics. This course will also address labor market issues with race and gender perspectives.

Content: Labor market analysis, labor unions and collective bargaining, government and the labor market, theories of labor market discrimination, wage differentials, poverty and income inequalities, and race and gender issues of the labor market.

Prerequisites: ECON 1310; ECON 1320; and QMBE 1310 or PSY 1340 or MATH 1200 (grade of C- or better required for all courses) or consent of the instructor.

Credits: 4

ECON 3720 - International Economic Development

Goals: To gain understanding of the problems and issues of economic development and to examine and appraise the major prevailing approaches to those problems.

Content: Developing as well as high-income market economy perspectives; concepts of growth and development; major contemporary approaches; diversity among the Third World countries; dualism; cultural factors; population, labor, migration and education; poverty and inequality; strategies for investment and structural transformations; international trade, investment and development; planning, control, and macroeconomic policies.

Prerequisites: ECON 1310; ECON 1320; QMBE 1310 or PSY 1340 or MATH 1200; and QMBE 1320 or MATH 1170 (grade of C- or better required for all courses), or consent of the instructor.

Credits: 4

ECON 3730 - International Trade and Finance

Goals: To acquaint students with the evolving patterns of trade and investments in the global economic environment and with the major issues confronting national and international institutions of trade and finance.

Content: Topics covered include theories of foreign trade with perfect and imperfect competition. Trade policy issues, protectionism, and U.S. trade policies and its institutional settings. The effects of growth and factor mobility on trade, balance of payments, foreign exchange markets, foreign exchange regimes, foreign exchange determination, and economic policy in open economy.

Prerequisites: ECON 1310, ECON 1320, QMBE 1310 or PSY 1340 or MATH 1200, and QMBE 1320 or MATH 1170 (grade of C- or better required for all courses), or consent of the instructor.

Credits: 4

ECON 3740 - Economics of Public Finance

Goals: To study the theoretical and empirical issues surrounding governmental decisions. Students will analyze and debate public finance topics and examine the implications of policy options for society.

Content: This course focuses on governmental revenues, expenditures, debt-financing and related policy decisions. Effects of the budget and policy on income distribution, stabilization, efficiency and economic growth are also considered.

Prerequisites: ECON 1310 and ECON 1320 (grades of C- or better) or consent of the instructor

Credits: 4

ECON 3750 - Behavioral and Experimental Economics

Goals: To broaden the students' understanding of economic theory by incorporating knowledge from other social sciences and by expanding traditional economic models to better understand and predict human behavior.

Content: Evidence suggests that human beings often do not behave according to the strict rational-actor assumptions inherent in traditional economic theory. This new and growing field of economics seeks to improve our ability to predict and understand phenomena including altruism, trust, reciprocity, and loss-aversion. The course will incorporate economics experiments and game theory methods to examine human behavior. These concepts will be applied to a wide range of contexts, from consumer or investor behavior to health care, dating, and procrastination.

Taught: Alternate years

Prerequisites: ECON 1310; ECON 1320; and Statistics (QMBE 1310, or PSY 1340, or MATH 1200); grade of C- or better required for all courses, or consent of the instructor

Credits: 4

ECON 3770 - Environmental Economics

Goals: To introduce students to the study of environmental issues and resource use, applying economic perspectives and tools.

Content: This course examines various environmental issues (e.g., pollution, climate change, energy sources) from an economic perspective. Topics include market failures, challenges of economic development, resource management and allocation, and public policy options. Particular attention is paid to cost-benefit analysis, as it is applied to environmental problems.

Prerequisite: ECON 1310; ECON 1320; QMBE 1310, or PSY 1340, or MATH 1200 (grade of C- or better required for all courses), or consent of the instructor

Credits: 4

ECON 3960 - Internship with Seminar

Goals: To provide an opportunity to apply students' skills and knowledge in a working/learning context. To complement internships by providing discussion groups for sharing and crosschecking students' experiences.

Content: Students must hold an internship and will also meet once a week as a group to articulate and assess their experiences.

Prerequisite: Junior or senior standing, or consent of the instructor. Primarily intended for economics and management majors, but other majors with administrative internships are welcome.

Credits: 4

ECON 5820 - Econometrics

Goals: To enable students to understand and use economic indicators, time series, and regression analysis in model building and forecasting.

Content: Estimating model parameters, hypothesis testing, and interpreting economic data.

Prerequisites: ECON 1310; ECON 1320; QMBE 1310 or PSY 1340 or MATH 1200; ECON 3110 or ECON 3120; and MATH 1170 (grade of C- or better required for all courses), or consent of the instructor.

Credits: 4

ECON 5860 - Senior Seminar Economics

Goals: To develop and test economic models through in-depth, independent research in theoretical and applied economics.

Content: Research methodology and recent analytical and theoretical approaches to questions on topics such as the environment, health care, industrial organization, international economics, labor, money and banking, regional and urban economics, and welfare economics. Students

choose a research topic, review the literature, construct a theoretical model, and collect and analyze data for final presentations.

Prerequisites: ECON 3110, ECON 3120, and ECON 5820 (grade of C- or better required for all courses), or consent of the instructor.

Credits: 4

EDU 1150 - Schools and Society

Goals: To understand the profession of teaching from historical, philosophical, sociological, and practical viewpoints. To understand the development of our public school systems and the role schools can play in a pluralistic society such as the U.S.

Content: Important events and personalities that have shaped the public school system in the United States; theories of education; the major professional and political issues facing teachers, students, and parents, especially as related to standards and testing; school-based classroom observation and teacher assistance.

Taught: Fall and Spring terms

Co-requisite: EDU 1150 - LAB: Schools and Society

Notes:

Students enroll in a 0-credit course lab during which students complete a 20-hour required clinical in a local school.

Students who transfer in the equivalent of the course content without clinical experiences should see the Program Coordinator to enroll in a 1-credit Independent Study to earn the course equivalent

Concurrent registration in EDU 1250 - Educational Psychology if pursuing teaching license.

Credits: 4

EDU 1150 - LAB: Schools and Society

A 0-credit course lab during which students complete a 20-hour required clinical in a local school. Students who have transferred in the equivalent course content without clinical experience should see the Program Coordinator to enroll in a 1-credit Independent Study to earn the course equivalency.

Taught: Fall and spring terms

Corequisite: This lab must be taken concurrently with EDU 1150 - Schools and Society.

Credits: The lab itself has zero credit value.

EDU 1250 - Educational Psychology

Goals: To develop a working knowledge of various principles and theories based in the discipline of psychology, for example, theories of cognitive, social, and emotional development and the practical application of these principles and theories to the teaching/learning process.

Content: Survey theories of learning, motivation, and intelligence; theories of cognitive, social, and emotional development; and, influences of social and cultural background on development and learning. Learn about

assessment and evaluation and the theoretical bases for instructional models. Conduct a case study analysis of a K-12 student.

Taught: Fall and spring terms

Note: Concurrent registration in EDU 1150 - Schools and Society if pursuing a teaching license.

Credits: 4

EDU 3260 - Theory to Practice

Goals: This is an introductory methods class in which students will apply theories of early adolescent development, learning, instruction, and assessment to classroom situations.

Content: Analysis of teaching and learning instructional theory; structuring and managing the learning environment; strategies for assessing learning; designing developmentally appropriate learning opportunities to incorporate different approaches to learning, learning styles, and multiple intelligences; and strategies for culturally responsive instruction. Includes a 20-hour guided clinical experience with middle school students.

Taught: Fall and Spring terms

Prerequisites: (EDU 1150 **or** EDU 3150) **AND** (EDU 1250 **or** EDU 3250)

Co-requisite: EDU 3260 - LAB: Theory to Practice

Note: Students enroll in a 0-credit course lab during which students complete a 15-hour clinical in a local school. Students who transfer in the equivalent of the course content without clinical experiences should see the Program Coordinator to enroll in a 1-credit Independent Study to earn the course equivalency.

Credits: 4

EDU 3500 - Diversity and Education

Goals: Understand the impact of diversity in the classroom: race, culture and ethnicity, class, gender, disability, language, and sexual orientation. Explore nature, causes, and effects of prejudice. Experience instructional methods that enhance the school success of all children. Approved by the Minnesota Department of Education as satisfying the Education 521 Human Relations requirement.

Content: Students will examine how students' culture, religion, race, gender, class and abilities, as well as their interactions with teachers and peers, play important roles in shaping their achievement, adjustment and identity in schools; study how our personal identities and cultural histories of race, class, gender, ability, and sexuality affect our teaching philosophies, and explore how our personal values and beliefs shape our teaching practices; investigate the popular myths and histories we have learned in our own schooling, families, and social experiences and survey how the forms of truth and fiction portrayed by popular sources such as school textbooks and media shape our values and beliefs; identify the implications of inclusive and non-inclusive education, specifically looking at ways to create a positive

classroom climate that enhances the academic and social experiences of *all* students.

Taught: Fall and spring terms

Prerequisites: (EDU 1150 **or** 3150) **AND** (EDU 1250 **or** 3250)

Co-requisite: EDU 3500 - LAB: Diversity and Education

Notes:

Clinical Requirement: EDU 3500 - LAB: Diversity and Education during which students complete a 20-hour required clinical in a local school.

Students who transfer in the equivalent of the course content without clinical experiences should see the Program Coordinator to enroll in a 1-credit Independent Study to earn the course equivalency.

Credits: 4

EDU 3500 - LAB: Diversity and Education

A 0-credit lab during which students will complete a 20-hour required clinical in a local school. Students who have transferred in the equivalent course content without clinical experience should see the Program Coordinator to enroll in a 1-credit Independent Study to earn the course equivalency.

Taught: Fall and spring terms

Co-requisite: This lab must be taken concurrently with EDU 3500 - Diversity and Education

Credits: The lab itself has zero credit value.

EDU 3660 - Crucial Issues in Education

Goals: To research and critically examine a particular set of issues connected with the profession of education.

Content: Topics will vary from year to year. Recent topics have included education and the media, immigrant and refugee students in U.S. schools, the achievement gap, educational policy.

Taught: Winter term

Credits: 4

ENG 1100 - English for International Students

Goals: As preparation for ENG 1110 the course will help international students develop the writing skills necessary for college-level course work.

Content: Focus on writing and rewriting with an emphasis on the particular needs of non-native speakers of English.

Taught: Annually.

Credits: 4

ENG 1110 - Writing and Reading Texts

Goals: To develop critical writing, reading, and thinking skills needed in academic courses in order to achieve greater effectiveness and analysis in writing. To understand the dynamic relationship between language and culture and to begin to explore how one is shaped by language and shapes the world through language.

Content: Critically reading a variety of literary, nonliterary, and visual texts and developing research skills for providing

cultural, social, political, and historical contexts. Frequent writing and rewriting in a variety of genres, at least one of which includes research strategies and incorporation of sources. Focus on the elements of successful written communication, including invention, purpose, audience, organization, grammar, and conventions.

Taught: Annually.

Prerequisites: None. Required of all first-year students. Open to others with permission of the department. ENG 1110 does not apply to the English major but instead counts toward a student's breadth of study.

Credits: 4

ENG 1210 - British Literatures to 1789

Goals: To survey British literature to 1789 in its cultural and intellectual contexts.

Content: Selected works by such authors as Geoffrey Chaucer, Margery Kempe, Edmund Spenser, William Shakespeare, John Donne, John Milton, Andrew Marvell, and Jonathan Swift.

Taught: Annually.

Prerequisite: ENG 1110 or its equivalent, or concurrent registration.

Credits: 4

ENG 1220 - British Literatures after 1789

Goals: To survey British literature after 1789 in its cultural and intellectual contexts.

Content: Selected works by authors such as Mary Wollstonecraft, William Wordsworth, Jane Austen, Robert Browning, Oscar Wilde, Virginia Woolf, and Tom Stoppard.

Taught: Annually.

Prerequisite: ENG 1110 or its equivalent, or concurrent registration.

Credits: 4

ENG 1230 - American Literatures to 1860

Goals: To survey American literature to 1860 in its cultural and intellectual contexts.

Content: Literary forms such as sermon, oral narrative, autobiography, journals, essays, poetry, and fiction. Possible authors and texts: Native American poetry and tales, Cabeza de Vaca, Mary Rowlandson, Sor Juana, Benjamin Franklin, William Apess, Ralph Waldo Emerson, Nathaniel Hawthorne, Edgar Allan Poe, Frederick Douglass, Emily Dickinson, and Walt Whitman.

Taught: Annually.

Prerequisite: ENG 1110 or its equivalent, or concurrent registration.

Credits: 4

ENG 1240 - American Literatures after 1860

Goals: To survey American literature from about 1860 to the present in its cultural and intellectual contexts.

Content: Literary forms such as the novel, poetry, and drama that develop themes such as the rise of the city, changing social and personal values, industrialism, and individual alienation. Possible authors: Mark Twain, Kate Chopin, Langston Hughes, William Faulkner, Adrienne Rich, Gwendolyn Brooks, and Maxine Hong Kingston.

Taught: Annually.

Prerequisite: ENG 1110 or its equivalent, or concurrent registration.

Credits: 4

ENG 1250 - World Literatures

Goals: To survey literatures of the world in their cultural and intellectual contexts.

Content: Selections and emphasis will vary from semester to semester. Students will gain understanding of literary forms such as the novel, drama, poetry, and essay in different cultural contexts. Typical topics for discussion may include the cross-cultural comparison of forms, colonial and postcolonial experiences, and the effects of globalization.

Taught: Annually.

Prerequisite: ENG 1110 or its equivalent, or concurrent registration.

Credits: 4

ENG 1270 - African-American Literatures

Goals: To survey African-American literary tradition as influenced by oral and written forms of expression. To heighten the student's awareness of the particularity of African-American cultural expression as well as its connections with mainstream American writing.

Content: Selections of texts may vary from semester to semester. Typically, the course will survey prose, poetry, and drama from the 18th to the 20th centuries. Selected works by such authors as Phillis Wheatley, David Walker, Frederick Douglass, Frances Harper, Paul Laurence Dunbar, Booker T. Washington, W.E.B. Du Bois, James Weldon Johnson, Claude McKay, Langston Hughes, Zora Neale Hurston, Jean Toomer, Sterling Brown, Richard Wright, James Baldwin, Toni Morrison, Lorraine Hansberry, and Alice Childress.

Taught: Annually.

Prerequisite: ENG 1110 or its equivalent, or concurrent registration.

Credits: 4

ENG 1800 - Introduction to Professional Writing and Rhetoric

Goals: To have students understand fundamental principles of rhetorical theory and how they can be applied -- analytically, ethically, and/or persuasively -- in a variety of organizational frameworks and in the production of common genres of professional communication, including memos and reports, job letters, policy documents, and public relations.

Content: Using readings in rhetorical theory and case studies in professional communication, the course will focus on the ethical, technological, legal, and pragmatic elements of producing professional writing in various genres and media and for diverse audiences and purposes.

Taught: Annually in fall and spring semesters.

Prerequisite: Sophomore standing and ENG 1110 or FSEM 1020.

Note: ENG 1800 is required in the English major with a concentration in professional writing and in the professional writing minor. ENG 1800 replaces one of the two required survey (12XX) courses for the professional writing concentration and serves as the required survey course for the professional writing minor. ENG 1800 may count as one of the two required survey courses (12XX) in the English major and the English major with a concentration in creative writing, but it may not be taken as the required survey course in the English or creative writing minors.

Credits: 4

ENG 3010 - Textual Studies and Criticism

Goals: To introduce readers to a critical relationship with literary form that is the foundation of the discipline of English. The course investigates literature and writing as a site of cultural production and consumption, leading to a self-reflexive development of critical thinking through the close reading of texts in different genres. Students acquire critical terminology and practice interpretive strategies.

Content: Close reading of and writing about selected works from various cultures, genres, and periods.

Taught: Annually.

Prerequisite: One survey course (1210, 1220, 1230, 1240, 1250, 1270) completed or taken concurrently, or permission of the department chair.

Credits: 4

ENG 3020 - Literary and Cultural Theory

Goals: To introduce students to theoretical approaches to texts and to the practical applications of literary theory. Students should take this gateway course in the sophomore year in conjunction with declaring a major/minor. This course builds on the learning experiences introduced in ENG 1110, the surveys, and ENG 3010: Textual Studies and Criticism and prepares students for success in 3000-level writing and literature courses and the senior seminar. Required for many 3000-level courses.

Content: Reading and discussing representative 20th-century critical approaches to the study and understanding of written texts and producing analytical essays that apply critical methods to selected texts.

Taught: Annually.

Prerequisites: One survey course (ENG 1210, 1220, 1230, 1240, 1250, or 1270) completed. While in rare cases ENG 3020 may be taken concurrently with ENG 3010, it is strongly encouraged for student success that ENG 3010 be

completed first. Not recommended for first-year students. Nonmajors and nonminors need the permission of the instructor.

Credits: 4

ENG 3100 - Introduction to African-American Studies

Crosslisted: Also listed as PHIL 3100

Goals: To develop an understanding of several key issues in African American Studies emphasizing close textual reading and analysis. Additionally, students participate in academic service learning to synthesize textual and experimental learning.

Content: The course materials will focus on critical readings about construction of race as a concept; intersections of race, class and gender; afrocentrism; pan-africanism; diasporic connections; nationalism; religious dimension; literary theory and popular culture.

Prerequisite: Sophomore standing or consent of instructor.

Credits: 4

ENG 3190 - Introduction to Linguistics

Goals: To examine the scientific study of language and language analysis.

Content: Analysis of language in terms of phonetics and phonology (sounds), morphology (word formation), semantics (the meaning system), syntax (sentences and their structure), and language change. Discussion of the relationship between language and neurology, psychology, society, and culture.

Taught: Alternate years.

Prerequisites: ENG 1110 or equivalent; ENG 3020 recommended.

Credits: 4

ENG 3320 - Fundamentals of Journalism

Goals: To develop skills in writing for mass media.

Content: Techniques and practice of news, feature, and interpretive reporting combined with reading and discussion of principles and ethics of journalism.

Taught: Annually.

Prerequisite: ENG 1110 or equivalent.

Credits: 4

ENG 3330 - Special Topics in Journalism

Goals: To explore special topics in news reporting and writing.

Content: Build on basic writing techniques and formats with concentration on interviewing, fact gathering, editing, and design. Exposure to print, broadcast, or online media. Topics vary. Check section title and description.

Taught: Annually.

Prerequisite: ENG 1110 or equivalent. ENG 3320 is recommended.

A student may register for this course more than once for different topics.

Credits: 4

ENG 3340 - Organizational Writing

Goals: To develop strategies for writing in organizations.

Content: Focus on inter- and intra-organizational correspondence, proposals, and reports, with emphasis on the principles and techniques for writing in for profit and non-profit organizations—business, government, and industry.

Taught: Annually.

Prerequisites: ENG 1110 or equivalent. Senior status recommended.

Credits: 4

ENG 3370 - Topics in Professional Writing

Goals: An intensive study in a particular area of professional writing.

Content: Based upon the principles and practices of professional writing and communication, this course requires that students write for multiple, complex audiences and purposes. Topics vary. Check section title and description. Examples include "research and report writing," "writing for new media" and "professional and technical writing."

Taught: Annually

Prerequisite: ENG 1800 or ENG 3010 or instructor permission

Note: A student may register for this course more than once for different topics

Credits: 4

ENG 3450 - Studies in Literatures Across Cultures

Goals: A critical study of a specific topic in world literature.

Content: Intensive analysis of texts in their cultural contexts. Topics vary from year to year. Recent examples: passages to India, the empire writes back, Harlem renaissance, pan-African oratory, 20th-century Irish literature.

Taught: Annually.

Prerequisites: ENG 3010. ENG 3020 strongly recommended.

A student may register for this course more than once for different topics.

Credits: 4

ENG 3510 - Studies in a Single Author

Goals: A critical study of a specific author.

Content: Intensive analysis of texts in their cultural contexts.

Topics vary from year to year. Examples include Toni Morrison, James Baldwin, Edmund Spenser, John Milton.

Taught: Annually.

Prerequisites: ENG 3010. ENG 3020 strongly recommended.

A student may register for this course more than once for different topics.

Credits: 4

ENG 3530 - Studies in British Literatures

Goals: A critical study of a specific topic in British literature.

Content: Intensive analysis of texts in their cultural contexts.

Topics vary from year to year. Recent examples: medieval

lowlife, Arthurian legends, Renaissance drama, Romantic poetry, Victorian novel, modernism, contemporary novel.

Taught: Annually.

Prerequisites: ENG 3010; and ENG 3020 (may be taken concurrently). A student may register for this course more than once for different topics.

Credits: 4

ENG 3540 - Studies in American Literatures

Goals: A critical study of a specific topic or period in American literature.

Content: Intensive analysis of texts in their cultural contexts.

Topics vary from year to year. Recent examples: American Literature of Landscape and Nature; Walt Whitman and Modern American Poetry; Beats, Bop, and the Status Quo; Comedy and Postmodernism; Women's Bildungsroman and Kunstlerroman; Science and Literature.

Taught: Annually.

Prerequisites: ENG 3010; and ENG 3020 (may be taken concurrently). A student may register for this course more than once for different topics.

Credits: 4

ENG 3570 - Women and Literature

Goals: To understand women writers' representations in literature by closely examining their work in historical and cultural contexts through the theory and practice of feminist criticism.

Content: Focus varies. Recent examples: writers of color, wandering women, black women writers.

Taught: Annually.

Prerequisite: ENG 3010 or WSTD 1010 or GLOB 1910. A student may register for this class more than once for different topics.

Credits: 4

ENG 3710 - Critical Digital Media Theory

Goals: To have students intervene in current scholarly debates on how digital media has transformed, or should transform, our conceptions of politics, communication, art, law, and life.

Content: Whatever 21st century technologies -- or human reactions to them -- are most scandalous or interesting when the class meets, which are studied via current scholarship in the digital humanities, drawing primarily from the traditions of rhetoric, media, and cultural theory.

Taught: Once per year.

Prerequisite: ENG 1110 or its equivalent.

Credits: 4

ENG 3720 - Teaching Writing: Theory and Practice

Goals: To learn a range of theories of how writing works and how it is best learned, to apply these theories to develop informed writing processes and teaching practices, and to hone advanced skills in expository and argumentative writing and research.

Content: Theories of composition and writing pedagogy.

Taught: Annually in spring semester

Prerequisite: ENG 1110 or its equivalent

Credits: 4

ENG 5960 - Senior Seminar

Goals: This course provides the capstone experience in the major. The goal of this course is to practice and polish previously learned skills and experiences to produce an analysis of literary texts of article length and quality. This essay marks the student's entrance into the profession as a participant in an on-going and dynamic conversation about specific works and the discipline as a whole.

Content: Varies from year to year. Recent examples: Twice-Told Tales; Salman Rushdie and Transnationalism; There is No Place Like Home: Literature of Exile; Slavery, Women and the Literary Imagination; Narratives of National Trauma; Propaganda and the Literature of Commitment; 20th Century Drama; Hard-Boiled Fiction; Hawthorne and "a Mob of Scribbling Women"; Renaissance Self-Fashioning; American Melancholy: Readings of Race, Sexuality and Performance Culture.

Taught: Three senior seminars are offered each year.

Prerequisites: ENG 3020 and at least one 3000-level literature course and consent of instructor. Grade of C- or better required for said courses.

Credits: 4

ESL 6620 - TEFL Certificate Course

Live your dream, teach overseas!

Experience another culture while living and working overseas after earning a Teaching English as a Foreign Language (TEFL) certificate. Gain hands-on experience, spending over 40 hours teaching, observing, and giving feedback in a classroom with English language learners. Our nationally recognized program was established in 1991 and over 1,200 Hamline graduates have taught in more than 40 countries worldwide. Join them!

Note: Application is required for participation in this program.

Please visit www.hamline.edu/tefl for course details and an online application.

Credits: 8

ESL 6621 - TEFL Certificate Part I

Through an interactive hands-on approach, discover the principles and practices of teaching English as a foreign language. Explore factors that affect second language acquisition. Learn how to create meaningful, contextualized lessons addressing language skills, grammar, vocabulary and pronunciation for adults learning English as a foreign language.

Note: Application is required for participation in this program.

Please visit www.hamline.edu/tefl for course details and an online application.

Credits: 4

ESL 6622 - TEFL Certificate Part II

Through an interactive hands-on approach, discover the principles and practices of teaching English as a foreign language. Explore the place of culture in learning, develop skills for assessing learning and giving feedback. In this course you apply what you have learned in this class and TEFL Part I as you practice teaching English in community programs.

Note: Application is required for participation in this program.

Please visit www.hamline.edu/tefl for course details and an online application.

Credits: 4

ESL 7502 - Language and Society

Focus on the varieties of language and how they reflect social patterns. Explore the importance of language in all our interactions.

Examine the social nature of language, and how language reflects social situations. Study the issues of language and social class, ethnic group, and gender, as well as topics in language and nationality, language and geography, and the social nature of writing. Learn to pay particular attention to the social-linguistic situations of second language learners (i.e., those who are not native speakers of a socially dominant language or dialect) as well as the sociolinguistics of language in the classroom.

Target audience: language arts, modern language, and ESL teachers; educators; K-adult; administrators.

Credits: 4

ESL 7519 - Linguistics for Language Teachers

This is a broad, applied introduction to the study of language including morphology (word forms), syntax (sentence structure), semantics (meaning), and phonetics/phonology (pronunciation), as well as the social and cognitive dimensions of language. Study the application of linguistic skills to language instruction and the use of technology in teaching, in addition to an introduction to graduate-level research and Internet skills in a two-hour in-class library orientation.

Target audience: K-Adult ESL and bilingual/bicultural teachers.

Credits: 4

ESL 7610 - History of English

Have you wondered why the English language has such a bizarre spelling system, so many exceptions to its grammar rules, and the largest vocabulary of any modern world language? Discover the answers by studying the development and forms of the English language from Anglo-Saxon beginnings to present-day standard English and varieties of English. Understand the sociocultural and linguistic forces that cause language to undergo constant change.

Target audience: K-12 language arts and ESL teachers.

NOTE: Should be taken after or concurrently with a linguistics course.

Credits: 1

ESL 7650 - Basics of Modern English

An overview of English grammar designed for teachers of ESL grades K-12. Develop an understanding of the basics of English grammar both descriptively and pedagogically, particularly in areas that cause difficulties for learners of English as a Second Language. Improve your skills at error analysis and your ability to effectively incorporate grammar instruction into your classroom in a way that is meaningful and interesting to your learners.

NOTE: Should be taken after or concurrently with a linguistics course.

Credits: 4

ESL 7660 - Second Language Acquisition

How do students learn a second language? Examine the factors that affect how languages are learned—age, environment, academic background, motivation, and developmental processes. Emphasis will be placed on understanding the language learning process and being able to communicate this process to administrators, teachers, and parents. Current research issues will also be addressed, with opportunities for teachers to apply theory to practice.

NOTE: Should be taken after or concurrently with a linguistics course.

Credits: 3

ESL 7753 - Testing and Evaluation of English Language Learners

Examine the complex issues of assessment, testing, and evaluation of ELLs, in both ESL and mainstream classrooms. Develop an understanding of the policies, procedures and instruments used in assessing English language proficiency and the academic competency of ELLs. Learn how to use appropriate assessment to improve student performance and how to advocate for students in testing situations.

Target audience: educators K-12.

Credits: 2

ESL 7755 - Development of Literacy Skills

Literacy development is crucial for the academic success of ELLs.

Expand your understanding of emergent literacy and gain a working knowledge of literacy development for second language learners. Explore best practices for vocabulary development, comprehension strategy instruction, and questioning. Learn how to develop standards-based lessons for all stages of reading. Target audience: educators K-12.

Credits: 3

ESL 7776 - ESL Methods

Goals: To allow teacher candidates to practice and to demonstrate competence with effective assessment and teaching methodology within K-12 ESL classrooms. Second in a two-course sequence.

Content: Planning curriculum that incorporates national, state and local standards; implementing a variety of instructional strategies to address the needs of diverse learners; using and implementing formative and summative assessments. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Prerequisite: For K-12 ESL licensure candidates - GED 7878 with a grade of B- or better

Credits: 4

ESL 8010 - Phonetics and Phonology

Help English language learners attain intelligible pronunciation.

This course addresses areas of phonetics and phonology that ESL professionals need to know in order to assess and respond to learner needs. Issues of age, motivation, and context as they relate to pronunciation are discussed. Ideas for integrating pronunciation instruction into various curricula are included as well. The needs of both children and adults are addressed.

Credits: 2

ESL 8020 - Advanced Linguistic Analysis

Using naturally occurring linguistic data from the first languages that ESL practitioners encounter in Minnesota (e.g. Spanish, Hmong and Somali), this course will provide ESL practitioners with a solid understanding of topics in syntax, semantics and pragmatics. The emphasis will be on recognizing pattern and structure (including linguistic universals) and relating this knowledge to the language learning needs of ESL students.

Credits: 3

ESTD 1100 - Introduction to Environmental Studies

Goals: To introduce students to the study of interactions between humans and the environment from an interdisciplinary perspective; to expose students to multiple viewpoints on environmental issues; to acquaint students with internship opportunities in environmental studies.

Taught: Fall semester and spring semester.

Credits: 4

ESTD 5950 - Problem Solving in Environmental Studies

Goals: To cultivate the competencies needed to address environmental problems. These competencies include working in groups, discussion and presentation skills, writing skills, understanding multiple viewpoints, and analyzing and presenting conflicting information.

Taught: Annually, fall semester.

Prerequisites: ESTD 1100, BIOL 1130, and one course in general statistics

Credits: 4

EXSC 1520 - First Aid and Personal Safety

Goals: To identify ways to prevent injury and/or illness, recognize when an emergency has occurred, follow emergency action procedures, and apply basic first aid skills. American Red Cross Certification in Community First Aid and CPR.

Content: Shock, wounds, burns, respiratory emergencies, sudden illness, poisoning/drugs, thermal regulation, bone and joint injuries.

Taught: Annually

Credits: 0.5

EXSC 3510 - Exercise Physiology

Goals: This course acquaints students with fundamental concepts and theories of the physiological responses to exercise.

Content: Topics covered include oxygen consumption, exercise metabolism, cardiorespiratory adaptations, thermoregulation, hormonal responses, exercise nutrition, body composition, and adaptive responses to modes of both endurance and strength training.

Taught: Annually

Prerequisite: BIOL 3200 or instructor permission

Credits: 4

EXSC 3510 - LAB: Exercise Physiology

This lab must be taken concurrently with the EXSC 3510 lecture.

Credits: The lab itself has zero credit value.

EXSC 3630 - Prevention and Management of Athletic Injuries

Goals: To become familiar with modern sports medicine techniques. To develop an understanding of the basic principles of prevention, management, and rehabilitation of athletic injuries.

Content: Modern principles of athletic training with special emphasis on prevention of athletic injuries including prophylactic taping techniques, and management of athletic injuries including basic injury assessments. Other areas or presentation include mechanism of injury, principles of physical conditioning, emergency medical techniques, and analysis of protective equipment.

Taught: Annually

Prerequisite: BIOL 1120

Credits: 4

EXSC 5510 - Advanced Exercise Physiology: Clinical Applications

Goals: This course expands upon the concepts learned in EXSC 3510, and applies them to clinical populations.

Content: Students will gain an understanding of the physiological mechanisms that underlie many of the chronic diseases that contribute to the leading causes of mortality in the US, how testing is performed for markers of many conditions, and how exercise is essential to their prevention and treatment.

Taught: Annually

Prerequisite: EXSC 3510 or instructor permission

Credits: 4

EXSC 5510 - LAB: Advanced Exercise Physiology

This lab must be taken concurrently with the EXSC 5510 lecture.

Credits: The lab itself has zero credit value.

EXSC 5630 - Advanced Techniques in Athletic Training and Sports Medicine

Content: Students will focus on the rehabilitation techniques in athletic training. Emphasis will be on designing, managing, and evaluating rehabilitations programs. Areas of study will include core stabilization, plyometrics, open vs. closed-kinetic chain exercises, PNF and aquatic therapy. Review of common injuries and establishment of proper rehabilitation protocols will be the main focus.

Taught: Annually

Prerequisite: EXSC 3630

Credits: 4

EXSC 5950 - Senior Seminar

Goals: To synthesize the concepts and approaches from the broad fields of Exercise Science and Public Health Sciences that have been learned through prior coursework and the internship or research experience; to prepare for the next steps in the academic or career path; and to formally present one's internship or research experience through a poster as well as an oral presentation.

Content: The first half of the course focuses on professional development and preparing to apply to graduate school or for jobs in the field. This includes resume, statement of purpose and interview preparation. The second half focuses on synthesizing what has been learned in coursework at Hamline with what the student has experienced and learned in the field during the internship or research experience. Students present their work during a poster presentation, and in an oral presentation.

Taught: Fall and Spring (cross-listed with HSCI 5950)

Prerequisites: Senior standing. The internship or research experience should either be completed prior to enrolling in this course, or significantly underway.

Credits: 4

FIN 1010 - Workshop in Applied Investing

Goals: To provide opportunity to students to value public companies and receive hands-on experience in the securities industry, all within the context of a non-threatening learning environment. This workshop acts as a portfolio manager deciding how and where to invest a small portion (initially about \$35,000) of the university's actual securities. The course's mission is to: a) develop an understanding of the stock market, including an appreciation of its innate risk and the development of tools to mitigate risk, b) learn how to apply the financial concepts taught in academic management courses to the real world, c) practice analyzing (valuing) a company from an investor's perspective, and d) consider social/ethical responsibilities and values of a company in deciding to invest in other companies.

Content: This workshop acts as a portfolio manager deciding how and where to invest a small portion of the university's endowed funds. The course's mission is to: a) develop an understanding of the stock market, including an appreciation of its innate risk and the development of tools to mitigate risk, b) learn how to apply the financial concepts taught in academic management courses to the real world, c) practice analyzing (valuing) a company from an investor's perspective, and d) consider social/ethical responsibilities and values of a company in deciding to invest in other companies.

Credits: 2, offered only Pass/No Pass

FIN 3100 - Foundations of Finance

Goals: To understand fundamentals of financial management and to analyze quantitative and judgmental aspects of financial situations.

Content: Business organization, ratio analysis, forecasting, breakeven analysis, working capital management, capital budgeting, valuation, leverage, and financial markets are examined.

Prerequisites: ACCT 1320; ECON 1310; QMBE 1320 (grade of C- or better for all courses); or consent of the instructor.

Credits: 4

FIN 3700 - Financial Markets and Institutions

Goals: This course introduces knowledge and skills required to be successful in the financial services industry.

Content: While examining the financial system of the United States and other countries it introduces students to financial institutions, securities markets, the role of money in the economy, and the monetary system. Financial markets fund much of the expenditures of governments, individuals, and corporations, and financial institutions are the conduit through which funds flow from savers to those with funding needs. The course emphasizes real-world applications on how financial markets and institutions affect the investment decisions of financial managers.

Prerequisites: ECON 1320 and FIN 3100 (grade of C- or better for all courses), or consent of the instructor.

Credits: 4

FIN 3710 - Financial Analysis

Goals: To demonstrate the use of the theory of financial management as an integral part of making complex business decisions and to prepare students to present and defend their reasoning in a clear and concise manner.

Content: Fixed asset management, capital structure management, and financial analysis and planning through case analysis.

Prerequisites: ECON 1320 and FIN 3100 (grade of C- or better for all courses), or consent of the instructor.

Credits: 4

FIN 3720 - Investment Management

Goals: To learn and apply basic concepts of investment management using risk/return analysis and empirical evidence to examine the efficient markets hypothesis, portfolio diversification strategies, securities valuation, and investment decision-making in changing global markets.

Prerequisite: ECON 1320 and FIN 3100 (grade of C- or better for all courses), or consent of the instructor.

Credits: 4

FIN 3730 - Corporate Finance

Goals: To understand and analyze corporate policies and the decision-making that drives financial decisions. Relevant for careers in finance, as well as consulting and strategic planning.

Content: Capital structure and payout policy, short-term and long-term financial planning, risk management, options and other derivatives, mergers and acquisitions, behavioral finance and international corporate finance.

Taught: Annually

Prerequisites: FIN 3100 (grade of C- or better)

Credits: 4

FREN 1110 - Beginning French I

Goals: To teach students how to speak, read and write by focusing on the fundamental structures of French grammar and vocabulary.

Content: The course seeks to give students a broader awareness on French and Francophone cultures and a greater understanding vis-à-vis "world-culture" or "world-literature" through videos clips, short stories and fables on a variety of topics that are drawn from the francophone world of literature.

Taught: Annually

Credits: 4

FREN 1120 - Beginning French II

Goals: In this course you will learn how to speak, read and write by focusing on the fundamental structures of French grammar and vocabulary.

Content: Emphasis is placed on a broader awareness of French and Francophone cultures and a greater understanding vis-à-vis "world-culture" or "world-literature". Usage of videos clips, textual readings of French Classical Fables and other francophone short stories or textual excerpts drawn from different periods and genres will enhance students' knowledge of the francophone world and cultures.

Taught: Annually

Recommended prerequisite: FREN 1110 or equivalent.

Credits: 4

FREN 3210 - Intermediate French I

Goals: After Beginning French II, in this course students will continue to learn how to speak, read and write by focusing on the fundamental structures of French grammar and vocabulary.

Content: Particular emphasis is placed upon textual readings that are drawn from a plethora of literary genre: plays, novels, folktales, novellas from French and Francophone authors throughout the ages.

Taught: Annually

Recommended prerequisite: FREN 1120 or equivalent.

Credits: 4

FREN 3220 - Intermediate French II

Goals: After Intermediate French I, in this course students will continue to learn how to speak, read and write by focusing on the fundamental structures of French grammar and vocabulary.

Content: The course focuses on providing students with broader cultural awareness on the "Other" and a greater understanding vis-à-vis "world-culture" or "world-literature." Students are introduced to different literary genres: prose and poetry from a wide range of literary movements and periods.

Taught: Annually

Recommended prerequisite: FREN 3210 or equivalent.

Credits: 4

GED 7050 - Student Teaching Seminar

This is the required weekly seminar that accompanies the student teaching experience. Refer to the course description for the student teaching experience.

This course is only open to teacher-candidates who have adequate preparation in licensure areas; have demonstrated proficiency in Minnesota's Standards for Effective Practice for Beginning Teachers (SEPTBs); have received formal approval by the Education Department faculty to student teach; have met all program requirements; and have demonstrated the dispositions, knowledge, and skills to

enter the teaching profession. Concurrent registration in the appropriate student teaching section is also required (course number is based on your licensure area).

Teacher candidates must attend a student-teaching intake session, which takes place in the fall semester. Contact your advisor or the Placement Office for scheduling information.

Credits: 2

GED 7835 - Teaching Art in the Elementary School K-6

Select and implement developmentally appropriate materials and activities for the teaching of art in the elementary classroom. Overview of basic concepts and skills in art; group activities and/or classroom involvement with elementary school children. This is a graduate level course with graduate level expectations.

Prerequisite: EDU 3260/GED 7867 - Theory to Practice with grade of B- or higher, or concurrent enrollment.

Concurrent enrollment in GED 7836 - Teaching Music in the Elementary School; GED 7837 - Teaching Health in the Elementary School; and GED 7838 - Teaching Physical Education in the Elementary School, is recommended.

Credits: 1

GED 7836 - Teaching Music in the Elementary School K-6

Select and implement developmentally appropriate materials and activities for the teaching of music in the elementary classroom. Overview of basic concepts and skills in music; group activities and/or classroom involvement with elementary school children. This is a graduate level course with graduate level expectations.

Prerequisite: EDU 3260/GED 7867 - Theory to Practice with grade of B- or higher, or concurrent enrollment.

Concurrent enrollment in GED 7835 - Teaching Art in the Elementary School; GED 7837 - Teaching Health in the Elementary School; and GED 7838 - Teaching Physical Education in the Elementary School, is recommended.

Credits: 1

GED 7837 - Teaching Health in the Elementary School K-6

Select and implement developmentally appropriate materials and activities for the teaching of health in the elementary classroom. Overview of basic concepts and skills in health; group activities and/or classroom involvement with elementary school children. This is a graduate level course with graduate level expectations.

Prerequisite: EDU 3260/GED 7867 - Theory to Practice with grade of B- or higher, or concurrent enrollment.

Concurrent enrollment in GED 7835 - Teaching Art in the Elementary School; GED 7836 - Teaching Music in the Elementary School; and GED 7838 - Teaching Physical Education in the Elementary School, is recommended.

Credits: 1

GED 7838 - Teaching Physical Education in the Elementary School K-6

Select and implement developmentally appropriate materials and activities for the teaching of physical education in the elementary classroom. Overview of basic concepts and skills in physical education; group activities and/or classroom involvement with elementary school children. This is a graduate level course with graduate level expectations.

Prerequisite: EDU 3260/GED 7867 - Theory to Practice with grade of B- or higher, or concurrent enrollment.

Concurrent enrollment in GED 7835 - Teaching Art in the Elementary School; GED 7836 - Teaching Music in the Elementary School; and GED 7837 - Teaching Health in the Elementary School, is recommended.

Credits: 1

GED 7840 - Teaching Social Studies in the Elementary School K-6

Practice teaching methods specific to the teaching of social studies. Develop an understanding of social studies and the purposes they serve. Exploration of issues in curriculum development. Survey methods of teaching; planning for teaching; study and research skills in social studies; professional and community resources for the social studies teacher; and current trends in social studies. This is a graduate level course with graduate level expectations.

Prerequisite: EDU 3260/GED 7867 - Theory to Practice with grade of B- or higher.

Credits: 4

GED 7846 - Teaching Literacy in the Elementary School K-6, Part I

This two part course focuses on literacy practices for the elementary reader and writer in a 21st century environment. Part one focuses on knowledge of literacy practices. Part two focuses on systems used in the school and classroom to create literate environments that foster reading and writing. Participants will observe, analyze, engage, and co-teach in the elementary classroom. Thirty focused clinical experience hours are required between the two courses.

Prerequisites: EDU 1150, EDU 1250, EDU 3260

Corequisite: This course is required to be taken in the same term with the 2-credit online course GED 7847 - Teaching Literacy in the Elementary School K-6, Part II.

Credits: 4

GED 7847 - Teaching Literacy in the Elementary School K-6, Part II

This two part course focuses on literacy practices for the elementary reader and writer in a 21st century environment. Part one focuses on knowledge of literacy practices. Part two focuses on systems used in the school and classroom to create literate environments that foster reading and writing. Participants will observe, analyze, engage, and co-teach in

the elementary classroom. Thirty focused clinical experience hours are required between the two courses.

Prerequisites: EDU 1150, EDU 1250, EDU 3260

Corequisite: This course is required to be taken in the same term with the 4-credit course GED 7846 - Teaching Literacy in the Elementary School K-6, Part I.

Credits: 2

GED 7851 - Teaching Science in the Elementary School

Develop understandings and pedagogical competencies necessary to implement effective science curriculum in the elementary classroom. Implement methods that promote student investigation, discussion, and assessment models that meet the diverse learning needs of elementary students. This is a graduate level class with graduate level expectations.

Prerequisite: EDU 3260/GED 7867 - Theory to Practice with grade of B- or higher.

Credits: 4

GED 7852 - Teaching Math in the Elementary School

Develop understandings and pedagogical competencies necessary to implement effective math curriculum in the elementary classroom. Implement methods that promote student investigation, discussion, and assessment models that meet the diverse learning needs of elementary students.

This is a graduate level class with graduate level expectations.

Prerequisite: EDU 3260/GED 7867 - Theory to Practice with grade of B- or higher.

Credits: 6

GED 7857 - Teaching Communication Arts/Literature, Dance/Theatre Arts Part I

Goals: To introduce students to the history, theory, pedagogy, and management of teaching Communication Arts/Literature and Dance/Theater Arts at the middle and secondary levels. First in a two-course sequence.

Content: The nature of the Communication Arts/Literature and Dance/Theater; research on teaching and learning in these areas; and the motivation, engagement, and management of adolescents in the middle and secondary classroom settings. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: 5-12 Communication Arts/Literature and Theater/Dance licensure candidates

Taught: Fall term only

Recommended Prerequisites: EDU 1150/GED 7815, EDU 1250/GED 7825, EDU 3260/GED 7867

Credits: 4

GED 7858 - Teaching Social Studies in the Middle and Secondary School Part I

Goals: To introduce students to the history, theory, pedagogy, and management of content in the social sciences and history at the middle and secondary levels. First in a two-course sequence.

Content: The nature of the social studies; research on social studies teaching and learning; and the motivation, engagement, and management of adolescents in the middle and secondary classroom settings. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: 5-12 Social Studies licensure candidates

Taught: Fall term only

Recommended Prerequisites: EDU 1150/GED 7815, EDU 1250/GED 7825, EDU 3260/GED 7867

Credits: 4

GED 7870 - Teaching Communication Arts/Literature in the Middle and Secondary School Part II

Goals: To allow teacher candidates to practice and to demonstrate competence with effective assessment and teaching methodology within middle and secondary communication arts/literature classrooms. Second in a two-course sequence.

Content: Planning curriculum that incorporates national, state and local standards; implementing a variety of instructional strategies to address the needs of diverse learners; using and implementing formative and summative assessments. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: 5-12 Communication Arts/Literature licensure candidates

Taught: Spring term only

Prerequisite: GED 7857 with a grade of B- or better (EDU 3260/GED 7867 is recommended)

Credits: 4

GED 7871 - Teaching Literacy in the Middle and Secondary School 5-12

Address the needs of middle- and secondary-level students as they make the transition from emergent to fluent readers. Gain an expanded definition of literacy that incorporates reading, writing, and speaking as tools for learning. Form the basis for instructional strategies designed to improve students' appreciation for skills of literacy in the learning process. This is a graduate level course with graduate level expectations.

Prerequisite: Completion of EDU 1150/GED 7815 - Schools and Society, EDU 1250/GED 7825 - Educational Psychology, and EDU 3260/GED 7867 - Theory to Practice. EDU 3500/GED 7862 - Education and Cultural Diversity is recommended.

Credits: 4

GED 7872 - Exceptionality

This course has a 4-hour field placement.

Survey areas of exceptionality such as learning disabilities, physical and mental disabilities, emotional and behavior disorders, and giftedness, and consider their impact on classroom learning. Address educational practices for responding to exceptional students' needs. This is a graduate level course with graduate level expectations.

Credits: 2

GED 7873 - Teaching Social Studies in the Middle and Secondary School Part II

Goals: To allow teacher candidates to practice and to demonstrate competence with effective assessment and teaching methodology within middle and secondary social studies classrooms. Second in a two-course sequence.

Content: Planning curriculum that incorporates national, state and local standards; implementing a variety of instructional strategies to address the needs of diverse learners; using and implementing formative and summative assessments. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: 5-12 Social Studies licensure candidates

Taught: Spring term only

Prerequisite: GED 7858 with a grade of B- or better (EDU 3260/GED 7867 is recommended)

Credits: 4

GED 7874 - Teaching Science in the Middle and Secondary School Part II

Goals: To allow teacher candidates to practice and to demonstrate competence with effective assessment and teaching methodology within middle and secondary science classrooms. Second in a two-course sequence.

Content: Planning curriculum that incorporates national, state and local standards; implementing a variety of instructional strategies to address the needs of diverse learners; using and implementing formative and summative assessments. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: 5-12 Science licensure candidates

Taught: Spring term only

Prerequisite: GED 7879 with a grade of B- or better (EDU 3260/GED 7867 is recommended)

Credits: 4

GED 7878 - Teaching ESL and World Languages in K-12 Part I

Goals: To introduce students to the history, theory, pedagogy, and management of teaching second-language learners in K-12. This course provides ESL and world language candidates with a foundation in best practice literacy instruction for K-12 students. First in a two-course sequence.

Content: The nature of literacy in a second language; research on teaching and learning in these areas; and the motivation, engagement, and management of K-12 students.. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: K-12 ESL and World Language licensure candidates

Taught: Fall term only

Recommended Prerequisites: EDU 1150/GED 7815, EDU 1250/GED 7825, EDU 3260/GED 7867

Credits: 4

GED 7879 - Teaching Mathematics and Science in the Middle and Secondary School Part I

Goals: To introduce students to the history, theory, pedagogy, and management of teaching mathematics and science at the middle and secondary levels. First in a two-course sequence.

Content: The nature of the mathematics and science; research on science and mathematics teaching and learning; and the motivation, engagement, and management of adolescents in the middle and secondary classroom settings. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: 5-12 Mathematics and Science licensure candidates.

Taught: Fall term only

Recommended Prerequisites: EDU 1150/GED 7815, EDU 1250/GED 7825, EDU 3260/GED 7867

Credits: 4

GED 7880 - Teaching Mathematics in the Middle and Secondary School Part II

Goals: To allow teacher candidates to practice and to demonstrate competence with effective assessment and teaching methodology within middle and secondary mathematics classrooms. Second in a two-course sequence.

Content: Planning curriculum that incorporates national, state and local standards; implementing a variety of instructional strategies to address the needs of diverse learners; using and implementing formative and summative assessments. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: 5-12 Mathematics licensure candidates

Taught: Spring term only

Prerequisite: GED 7879 with a grade of B- or better (EDU 3260/GED 7867 is recommended)

Credits: 4

GED 7881 - Teaching World Languages in K-12 Part II

Goals: To allow teacher candidates to practice and to demonstrate competence with effective assessment and

teaching methodology within K-12 World Languages classrooms. Second in a two-course sequence.

Content: Planning curriculum that incorporates national, state and local standards; implementing a variety of instructional strategies to address the needs of diverse learners; using and implementing formative and summative assessments. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Target audience: K-12 World Languages licensure candidates

Taught: Spring term only

Prerequisite: GED 7878 with a grade of B- or better (EDU 3260/GED 7867 is recommended)

Credits: 4

GED 7882 - Teaching Dance/Theatre Arts in K-12 Part II

Goals: To prepare the prospective teacher seeking a license in theatre/dance for the professional work.

Content: Techniques and content ideas for addressing the State of Minnesota Rules Chapter 8710.4300.subpart 3, curriculum and season planning considerations for the teacher, methods of evaluation creative work in an academic setting, best practices for the drama classroom, portfolio development, and the uses of drama techniques in teaching other content areas.

Target audience: K-12 Theatre Arts/Dance licensure candidates

Taught: By arrangement. This is a tutorial class that involves both online learning and seminar sessions. This course includes 30 hours of clinical experience outside of scheduled class time - dates, times, and school sites to be determined.

Prerequisites: EDU 1150/GED 7815 and EDU 1250/GED 7825

Credits: 4

GED 7885 - Student Teaching Elementary K-6

Elementary student teaching provides preservice educators with experiences to connect theory and practice in the context of a K-12 classroom; instructional planning; and implementation in an assigned learning environment. Preservice teachers' responsibilities include; longterm planning, implementation of an integrated curriculum, the facilitation of small- and large-group learning, and the development of assessment systems that support the Minnesota graduation standards for K-12 students.

Open only to preservice teachers who have adequate preparation in subject matter; have demonstrated proficiency with regard to the program and Minnesota's Standards for Effective Practice for Beginning Teachers; have met all program requirements; and, have evidenced fitness for entering the teaching profession. This is graduate level student teaching with graduate level expectations.

Students must attend a student teaching intake session, which takes place in the fall semester. Contact your advisor or the

Director of Field and Student Teaching Experiences, for scheduling information.

Concurrent registration in GED 0050 - Student Teaching Seminar (2 credits) and participation in the seminar each week is also required.

Prerequisite: Formal acceptance in the teacher education program; successful completion of content area and education course requirements; and, successful presentation and evaluation of your Professional Teaching Portfolio.

GED 7888 - English Learners in the Mainstream

This course, which is geared toward mainstream teachers across content areas and grade levels, ensures that teacher candidates make their grade-level content accessible to English learners by learning how to write, integrate, and assess academic language objectives into their instruction. Course includes an overview of second language acquisition theories, an introduction to WIDA levels, and a focus on cultural responsiveness for English learners and their families.

Note: This course is not required for teacher candidates in ESL additional or initial licensure programs. It is required for all other additional or initial licensure candidates.

Credits: 2

GED 7894 - Student Teaching Secondary 9-12

Secondary student teaching provides the teacher-candidate the experiences to connect theory and practice in the context of 9-12 classrooms through instructional planning and implementation in an assigned learning environment. The teacher-candidate's responsibilities include: long-term planning; implementation of an integrated curriculum; the facilitation of small- and large-group learning environments; and the development of assessment systems that support the Minnesota graduation standards for K-12 students.

This course is only open to teacher-candidates who have adequate preparation in licensure areas; have demonstrated proficiency in Minnesota's Standards for Effective Practice for Beginning Teachers (SEPBTS); have received formal approval by the Education Department faculty to student teach; have met all program requirements; and have demonstrated the dispositions, knowledge, and skills to enter the teaching profession.

Teacher-candidates must attend a student-teaching intake session, which takes place in the fall semester. Contact your advisor or the Placement Office for scheduling information.

Concurrent registration in GED 0050 - Student Teaching Seminar (2 credits) and participation in the seminar each week is also required.

GED 7895 - Student Teaching Secondary 5-12

Secondary student teaching provides the teacher-candidate the experiences to connect theory and practice in the context of 5-12 classrooms through instructional planning and implementation in an assigned learning environment.

The teacher-candidate's responsibilities include: long-term planning; implementation of an integrated curriculum; the facilitation of small- and large-group learning environments; and the development of assessment systems that support the Minnesota graduation standards for K-12 students.

This course is only open to teacher-candidates who have adequate preparation in licensure areas; have demonstrated proficiency in Minnesota's Standards for Effective Practice for Beginning Teachers (SEPBTS); have received formal approval by the Education Department faculty to student teach; have met all program requirements; and have demonstrated the dispositions, knowledge, and skills to enter the teaching profession.

Teacher-candidates must attend a student-teaching intake session, which takes place in the fall semester. Contact your advisor or the Placement Office for scheduling information.

Concurrent registration at GED 0050 - Student Teaching Seminar (2 credits) and participation in the seminar each week is also required.

GED 7896 - Student Teaching K-12

K-12 student teaching provides the teacher-candidate the experiences to connect theory and practice in the context of K-12 classrooms through instructional planning and implementation in an assigned learning environment. The teacher-candidate's responsibilities include: long-term planning; implementation of an integrated curriculum; the facilitation of small- and large-group learning environments; and the development of assessment systems that support the Minnesota graduation standards for K-12 students.

This course is open only to teacher-candidates who have adequate preparation in licensure areas; have demonstrated proficiency in Minnesota's Standards for Effective Practice for Beginning Teachers (SEPBTS); have received formal approval by the Education Department faculty to student teach; have met all program requirements; and have demonstrated the disposition, knowledge, and skills to enter the teaching profession.

Teacher-candidates must attend a student-teaching intake session, which takes place in the fall semester. Contact your advisor or the Placement Office for scheduling information.

Concurrent registration in GED 0050 - Student Teaching Seminar (2 credits) and participation in the seminar each week is also required.

GERM 1110 - Beginning German I

Goals: To master elements of German grammar and vocabulary, especially in practical situations.

Content: Readings in German; exercises in grammar and vocabulary building; equal emphasis on speaking, understanding the spoken language, writing, and reading.

Taught: Annually.

Credits: 4

GERM 1120 - Beginning German II

Goals: To master elements of German grammar and vocabulary, especially in practical situations.

Content: Readings in German; exercises in grammar and vocabulary building; equal emphasis on speaking, understanding the spoken language, writing, and reading.

Taught: Annually.

Recommended prerequisite: GERM 1110 or equivalent.

Credits: 4

GERM 3210 - Intermediate German I

Goals: To review all topics of German grammar and to enhance all the skills required for proficiency.

Content: Readings in German, exercises in grammar and vocabulary building; equal emphasis on speaking, understanding the spoken language, writing, and reading.

Taught: Annually.

Recommended prerequisite: GERM 1120 or equivalent. .

Credits: 4

GERM 3220 - Intermediate German II

Goals: To review all topics of German grammar and to enhance all the skills required for proficiency.

Content: Readings in German, exercises in grammar and vocabulary building; equal emphasis on speaking, understanding the spoken language, writing, and reading.

Taught: Annually.

Recommended prerequisite: GERM 3210 or equivalent.

Credits: 4

GERM 3230 - Intermediate German Conversation

Goal: Designed for the intermediate level, this course helps consolidate a knowledge of German and develops conversational fluency. Excellent preparation for an extended stay in German-speaking countries.

Content: Emphasis is placed on building vocabulary, strengthening pronunciation, and enhancing fluency by means of role-playing, debates, and conversations. Cultural differences, including speech patterns, personal space, and body language, are identified. German satellite TV programs keep issues current and authentic.

Taught: Annually.

Recommended prerequisite: GERM 3220 or equivalent.

Credits: 4

GERM 3900 - Advanced German Conversation and Composition

Goals: To enable students to speak and write more proficiently and more idiomatically leading toward mastery of fine points of German structure and style. Students learn to express convincingly their own ideas in German.

Content: Equal weight is given to conversation and composition. Written and oral exercises focus on discursive patterns and the most frequent sources of lexical and syntactical errors. Conversations and essays are based on

all genres and films as well as on current German cultural issues.

Taught: Annually

Prerequisite: GERM 3220

Credits: 4

GERM 3910 - Professional German

Goals: To familiarize students with the specific vocabularies and concepts of German business, economics, politics, management, social, and legal issues. Cultural competence and cross-cultural skills are a concomitant objective.

Content: Focus on Germany as a leading country regarding industry, trade, and markets. Analyses of the German economic, social, and political systems will provide students with a broad knowledge of German business practice and environment. The course will expand all four language modalities (listening, reading, writing, speaking) and cross-cultural awareness as it impacts the areas of business and economics.

Taught: Annually

Prerequisite: GERM 3220

Credits: 4

GERM 5500 - Issues in Translation

Goals: To gain greater understanding of cultural differences and a better command of and sensibility for the German language through the process of cooperative translation.

Content: Speeches, conversations, and texts from a variety of areas will be translated from German into English, leading to discussion of translation theory. Close attention will be paid to the context within which texts are situated in order to identify cultural barriers and biases. The course will enhance interpretive skills.

Taught: Alternate years.

Recommended prerequisite: GERM 3220 or equivalent.

Credits: 4

GERM 5560 - Highlights of German Literature

Goals: To familiarize students with German cultural and literary development through the ages. Literary touchstones from important periods are read and discussed.

Content: Genres and literary movements are presented and discussed and exemplary works from the Middle Ages, the Goethe Era, Modernism, and Post-War Germany are interpreted within their sociohistorical context.

Taught: Alternate years.

Recommended prerequisite: GERM 3220 or equivalent.

Credits: 4

GERM 5600 - Student/Faculty Collaborative Research

Goals: To develop skills for independent research by encountering indepth texts on mutually selected topics, potentially leading to presentations of papers at national conferences and publication of articles.

Content: Primary research in tandem with faculty on a wide variety of topics including politics, film, children's literature, and science.

Recommended prerequisite: GERM 3220 or equivalent.

Credits: 4

GERM 5680 - German Culture and Civilization

Goals: To acquaint students with German civilization and culture through accounts in English, and in German for majors and minors, of its history, science, art, music, dance, theatre, sculpture, architecture, and customs; to increase awareness of cultural differences and the role of the German-speaking lands in world affairs.

Content: Accounts of the German-speaking lands from Roman times to the present, including discussion of the main artistic, literary, and historical issues of the Chivalric Period, the Reformation, the Thirty Years War, Enlightened Despotism, the Classic-Romantic Period, German Idealism, the Wilhelminian Age of Industrialization, the Weimar Republic, the Third Reich, the PostWar Era and Re-unification.

Taught: Annually.

Prerequisite for non-Germanists: None. Recommended prerequisite for Germanists: GERM 3220 or equivalent.

Credits: 4

GLOB 1300 - Gender Perspectives from the Global South

Goals: To introduce students to basic concepts shared between global studies and the study of gender; to examine power and agency, and the ways in which gender politics changes its form in varying situations; and to study global South contexts, subjectivities, and struggles utilizing these analytic tools.

Content: Students will be introduced to feminist perspectives that represent current trends in the discipline, especially as they pertain to global South/Third World contexts; study how globalization, as an ongoing process of social and economic change, impacts gendered practices, ideologies and forms of politics; develop analytic skills through dialoguing about films, memoir, ethnography, essays and articles focused on gender issues in the global South.

Credits: 4

GLOB 1910 - Introduction to Global Studies

Goals: To introduce students to the interdisciplinary field of global studies.

Content: An introduction to key concepts and issues in global studies. Key texts introduce themes explored in upper-level courses. International Roundtable presentations by guest faculty illustrate the interdisciplinary and global nature of the field.

Taught: Annually, both semesters.

Credits: 4

GLOB 3020 - Interdisciplinary Research Methods

Goals: To introduce students to interdisciplinary research methodologies and to develop the skills and knowledge necessary to carry out research in the field.

Content: The course focuses on conducting research from an interdisciplinary perspective and covers questions of epistemology, ontology, and practical applications of various research methods. Students will acquire the skills necessary to approach issues or events from an interdisciplinary perspective so that they may be able to synthesize multiple fields of study into a research project, and develop sophisticated research proposals.

Taught: Annually, in the spring semester.

Prerequisite: GLOB 1910 (grade of C- or better), declared major/minor in an interdisciplinary program, or consent of instructor

Credits: 4

GLOB 3100 - African Crises in Global Perspective

Goals: To learn about social and cultural consequences for Africans of historical and contemporary exploitation of the continent's natural resources and its human beings. To gain an understanding of how countries and societies in Africa have fared in the past couple centuries as global economic, political, cultural, and environmental interconnections have intensified.

Content: Particular emphasis will be placed on interrogating reasons for exploitation, and we will do this through immersion in journalistic, literary, cultural, and cinematic representations of various "crises" on the African continent. Students will become more aware of root causes of some of the strife and destitution that often gets associated with Africa as a result of Hollywood and mass media representations. We will also explore specific responses and resistances to socio-political turmoil in given locales.

Credits: 4

GLOB 3200 - Cultural Politics of Global Health

Goals: To learn about the ways in which geographic and social locations as well as institutional structures and global economies affect peoples' interpretations, understandings, and experiences of illness and health.

Content: Particular emphasis will be placed on examining differential access to health resources and interrogating ways in which power is utilized to privilege some sectors and deprive other groups of basic standards of health. Health care becomes synonymous with human rights in this framework, and examinations of structural violence help us to look at how global processes interact with more local institutional and economic systems to have a direct impact on the life chances and health of specific communities and individuals.

Credits: 4

GLOB 3300 - Gender Perspectives from the Global South

Goals: To introduce students to basic concepts shared between global studies and the study of gender; to examine power and agency, and the ways in which gender politics changes its form in varying situations; and to study global South contexts, subjectivities, and struggles utilizing these analytic tools.

Content: Students will be introduced to feminist perspectives that represent current trends in the discipline, especially as they pertain to global South/Third World contexts; study how globalization, as an ongoing process of social and economic change, impacts gendered practices, ideologies and forms of politics; develop analytic skills through dialoguing about films, memoir, ethnography, essays and articles focused on gender issues in the global South.

Credits: 4

GLOB 3500 - Global Justice

Goals: This course will examine major themes in global justice: the moral status of individuals, states and peoples; theories of human rights; the ethics of humanitarian intervention; and global inequality, poverty and distributive justice. The ultimate objective of the course is to provide a better understanding of the uneven impact of the process and policies of development and globalization on different populations and segments of society.

Content: Particular emphasis will be placed on transnational efforts to promote global justice, equitable development, and peace and security. Topics include the roles of the United Nations and other IGOs such as the WTO and IMF in the North-South debate, Structural Adjustment Policies, Free Trade versus Fair Trade, Environmental Security, democratization of global governance, and the responsibilities of individuals and states to secure universal human rights and sustainable human development.

Prerequisite: Sophomore standing or consent of instructor.

Note: This course fulfills an upper-elective requirement for GLOB and SOCJ students.

Credits: 4

GLOB 3550 - International Organizations

Crosslisted: Also listed as PSCI 3550

Goals: To explore the foundations of international governmental and nongovernmental organizations; through case studies and policy issues, to discuss the United Nations and its affiliated groups; to examine how transitional actors have tried to deal with critical world issues such as hunger, environmental dilemmas, human rights, and the disparities of development.

Content: This course includes a discussion of theories of integration, histories of international organizations, and analyses of approaches to policy and politics in the international arena. Students will also have the opportunity to do informal interviews or mentoring projects with local international organizations.

Taught: Alternate years.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

GLOB 3600 - Human Rights in a Globalized World

Goals: This course surveys normative questions within human rights discourses, with a stress on international and transnational efforts to promote equity and human rights standards.

Content: Topics include the contributions of international and non-governmental organizations as well as transnational actors to global discourses on human and women's rights, social justice and global equity. A particular emphasis is placed on understanding the North-South Debate, the process and policies of development and their uneven impact on the human rights of different populations and segments of society. Special consideration is given to the controversy between the universal and particular applications of human rights.

Prerequisite: Sophomore standing or consent of instructor.

Notes: This course fulfills an upper-elective requirement for GLOB and SOCJ students.

Credits: 4

GLOB 3650 - Model United Nations

Crosslisted: Also listed as PSCI 3600

Goals: Through this course, students will develop research, critical thinking, and team-building skills; students will also gain perspectives on the role of international organizations and non-governmental organizations in the international community. Students will gain an appreciation for diverse cultures, modes of negotiation and conflict resolution, and the professional nature of diplomacy.

Content: This course is designed to help prepare students to serve as delegates to the National Model United Nations Conference in New York. Students will also have the opportunity to visit other international agencies and NGOs (non-governmental organizations) in New York as well as volunteer with organizations in the Twin Cities. Topics discussed in the class will include: the nature of diplomacy, how nations interact, the operations of the United Nations system, the role of NGOs, and case studies of individual countries which the team will represent at the simulation in New York. Students will engage in mock debates and discussions of UN policy initiatives. By discussing the work of the UN and NGOs, students will also gain an understanding of a variety of transnational issues such as arms control, security, HIV/AIDS, environmental protection, child labor, etc.

Taught: Annually, in the spring semester.

Prerequisites: permission of instructor; acceptance to Model UN team; GLOB 1910 is recommended.

Note: This course fulfills an upper-elective requirement for GLOB students.

Credits: 4

GLOB 3700 - Social Media and Contentious Politics in the Global Age

Goals: The tweet heard across the world started a revolution in a small, relatively stable country in the Middle East (Tunisia) in January 2011 and within months had spread like wildfire across the globe, challenging the reign of the seemingly most firmly entrenched economic and political systems. Fueled by a newly energized youth and social media technology, non-ideological and peaceful protest movements –from Occupy Wall Street in the U.S., to riots in London, protests in Spain and Chile last summer, and demonstrations in Russia this Spring, for example– have generated a wave of unprecedented regional changes with far-reaching global effects.

Content: This course will examine the roots and future implications of these global youth movements as they navigate uncharted territory, and consequent regional upheaval through the lens of new social movement theory, cyberactivism and the democratization of the public sphere.

Prerequisite: Sophomore standing or consent of instructor.

Note: This course fulfills an upper-elective requirement for GLOB and SOCJ students.

Credits: 4

GLOB 5010 - Honors Project

Goals: To undertake a capstone independent research project that will lead to honors in the global studies major.

Content: A focus on the research and writing process, from conceptualization through completion. Students pursue projects on topics of individual interest but share both discussions of the research and writing process and a first draft of their honors project with other students.

Taught: Annually, in the fall semester

Prerequisite: Acceptance of an honors proposal in the major

Note: Students must also register for and attend GLOB 5900 as a 0-credit course.

Credits: 6 (which can be distributed across multiple terms during senior year)

GLOB 5900 - Senior Research Seminar

Goals: To produce a capstone independent research product (e.g., paper, web site, media project) that demonstrates the ability to conduct interdisciplinary research and writing in global studies.

Content: A focus on the research and writing process, from conceptualization through completion. Students pursue projects on topics of individual interest but share both discussions of the research and writing process and their final products with other students.

Taught: Annually, in the fall semester.

Prerequisite: Senior standing in global studies or consent of instructor.

Credits: 4

HIST 1000 - Introduction to History

Goals: To introduce students to the discipline of history, its methods, philosophy, and its evolution over the centuries

Content: Focus varies. The course is not a survey of any geographical region or time period. Instead, it uses exciting topics to explore the nature of the discipline. Examples include: scandals in history; greatest works of history.

Taught: Annually during spring semester

Notes: Recommended that students take HIST 1000 during the spring semester of their first year or during the spring semester of the year they declare history as their major.

Credits: 4

HIST 1200 - Introduction to European History

Goals: To understand some of the key developments that shaped European society, culture, and politics over the past three thousand years.

Content: In this introduction to European history, topics and time periods covered vary. Recent examples: Ancient Greece and Rome; European History from the Black Death to the French European History Since the French Revolution; Islam in Europe.

Taught: Annually

Credits: 4

HIST 1300 - Introduction to United States History: 1607-1865

Goals: To understand the key social, economic, and political developments that shaped the United States from the early 17th century to 1865.

Content: Various topics such as the Early Republic, the building of social and political institutions, the Westward expansion and its effect on the nation, the road to the Civil War, industrialization, reform and the move toward a welfare state, ethnic relations within American society, the rise of the U.S. to the status of a world power, and America and the Middle East. HIST1310 covers the time period from 1865 to the present.

Taught: Annually

Credits: 4

HIST 1310 - Introduction to United States History: 1865-Present

Goals: To understand the key social, economic, and political developments that shaped the United States from 1865 to the present day.

Content: Various topics such as industrialization, reform and the move toward a welfare state, ethnic relations within American society, and the rise of the U.S. to the status of a world power, and America and the Middle East.

Taught: Annually

Credits: 4

HIST 1400 - Introduction to Latin American History

Goals: To understand the key developments in the histories of the European, African, Asian, and Amerindian peoples whose interactions created the history of the New World after 1492 and resulted in the emergence of independent nations between 1812 and 1898.

Content: Various topics such as the nature and legacies of the colonial encounter, the importance of geography in national development, the economic foundations of different regions, and Latin American relations with other hemispheric and international powers.

Taught: Annually

Note: Topics and time periods covered vary from year to year.

Recent examples: Latin American History: Pre-Columbian to Modern; History of Cuba and Puerto Rico; History of Mexico.

Credits: 4

HIST 1430 - Historical Study Abroad

Goals: To study the history of a particular place by traveling and immersion.

Content: Focus varies. Recent examples: Ancient and Modern Greece.

Taught: This course is offered for credit whenever an appropriate study abroad is being conducted under the auspices of Hamline University.

Credits: 4

HIST 1500 - Introduction to Asian History

Goals: To understand the key characteristics that shaped the formation and evolution of the polities and societies of Asia from ancient times to the present.

Content: Various topics such as nationalism, the spread of spirituality, trade networks, colonialism, and imperialism across Southeast Asia, East Asia, Central Asia including the Himalayas, and South Asia.

Taught: Annually

Note: Topics and time periods covered vary from year to year.

Recent examples: Buddhism, Trade, and Trans-Asian Relations from the 15th - 18th Centuries.

Credits: 4

HIST 1600 - Introduction to Chinese History

Goals: To understand the key characteristics that shaped the evolution of China both regionally and globally from ancient times to the present.

Content: Various topics such as revolutionary and reformist tendencies, globalization, the social role of students and intellectuals, the rise of Communist governance, democracy, the status of women, imperialism, market reforms, and nationalism.

Taught: Annually

Note: Topics and time periods covered vary from year to year.

Recent examples: The Challenge of Reform and Revolution in China's Past and Present; Continuity and Change in China's Imperial Past.

Credits: 4

HIST 3000 - Workshop in History

Goals: To teach students the skills related to public history.

This course is recommended, in preference to HIST 3010, for students who plan to teach at the K-12 level.

Content: Public, local, and community history.

Taught: Alternate years

Prerequisites: One 1000-level HIST course and one 3000-level HIST course.

Recommended: Completion of three 1000-level HIST courses.

Credits: 4

HIST 3010 - Historical Methods

Goals: To expose students to some of the key philosophies of history; to teach students the skills necessary to write a capstone essay (in either the department's senior seminar or as a departmental honors project) and to work as a professional historian.

Content: Focus on philosophies of history, historical methodologies, analysis, argumentation, research, and writing.

Taught: Annually

Prerequisites: One 1000-level HIST course and one 3000-level HIST course

Note: This course is required for all majors and minors and cannot be taken with the senior seminar.

Credits: 4

HIST 3760 - Topics in the History of Imperialism

Goals: To understand the history of imperialism.

Content: Focus varies. Recent example: The British Empire.

Taught: Alternate years

Credits: 4

HIST 3800 - Topics in Gender History

Goals: To study the history of women and gender.

Content: Focus varies. Recent examples: Homosexuality in Victorian Britain; Women and Revolution in Modern Europe.

Taught: Alternate years

Credits: 4

HIST 3880 - Topics in the History of War

Goals: To understand the history of war.

Content: Focus varies. Recent examples: Europe and WWII; Europe and WWI.

Taught: Alternate years.

Credits: 4

HIST 3910 - Topics in Russian and Eastern European History

Goals: To study the history of Russia and Eastern European History.

Content: Focus varies. Recent examples: Modern Russia from the Empire to the Revolution; The Rise and Fall of the Soviet Union.

Taught: Alternate years

Credits: 4

HIST 3930 - Topics in United States History

Goals: To study the history of the United States.

Content: Focus varies. Recent examples: Reform Movements in American History, Landmark Trials, America in the Middle East.

Taught: Alternate years

Credits: 4

HIST 3940 - Topics in Latin American History

Goals: To study the history of Latin America.

Content: Focus varies. Recent examples: 20th Century Mexico.

Taught: Alternate years

Credits: 4

HIST 3960 - Topics in Comparative History

Goals: To practice comparative history.

Content: Focus varies. Recent examples: Disease and Society; Torture and State Terror; The 1960s in Global Perspective.

Taught: Alternate years

Credits: 4

HIST 5950 - Seminar in History

Goals: The senior seminar provides a capstone experience in the major, in which students practice and polish previously learned skills and build on previous knowledge and experience to produce a significant research paper. Outstanding students may choose to write a Senior Honors Essay rather than take the Senior Seminar. The Honors option is open to students whose proposal for a significant research paper based on primary source materials is approved by the History Department faculty in the spring of the junior year. Honors students carry out research and write the essay under the direction of a faculty advisor and defend it before a committee in spring of the senior year.

Content: In this capstone course, students use the skills and knowledge they have gained in previous classes to produce a significant research paper on a topic of their choosing.

Taught: Annually

Prerequisites: Junior or senior standing, three 1000-level HIST courses, three 3000-level HIST courses, and completion of HIST 3010 or 3000. (Seven courses total.)

Credits: 4

HLTH 1170 - Personal and Community Health

Goals: To explore health knowledge, attitudes, personal health behaviors, important trends in major health areas of concern today. To encourage students to examine, reflect upon, and act to change or strengthen health habits.

Content: Mental health, drugs, human sexuality, prevention and control of diseases, nutrition, weight control, fitness, aging and dying, and consumer health.

Taught: Annually.

Credits: 4

HSCI 1100 - Introduction to Public Health

Goals: To provide students with a broad overview of the interdisciplinary field of public health, health systems and health policy.

Content: History of public health, the scientific basis of public health practices, mechanisms of disease and disease spread, disease control, disease surveillance, public health policy.

Taught: Fall and Spring

Credits: 4

HSCI 3020 - Global Health

Goals: Health problems and diseases are not limited by national boundaries, and in the modern world, infectious diseases can spread from a local area to an international scale in a matter of days. This course introduces students to the global nature of health problems, and global approaches to maintaining healthy populations.

Content: Measurements of population health, global health problems, international approaches to health and disease.

Taught: Annually

Prerequisite: HSCI 1100

Credits: 4

HSCI 3100 - Epidemiology

Goals: Epidemiology is the study of the determinants and distribution of health-related states or events in populations. This course will introduce students to the principle methods and approaches of epidemiology, and how epidemiology contributes to the understanding and improvement of population health.

Content: Etiology and pathophysiology of infectious and chronic diseases and conditions, patterns of disease, models of disease spread, risk factors and prevention methods, outbreak investigation, surveillance and monitoring, screening, design of investigations and interventions. Current epidemiological research will be analyzed using published literature.

Taught: Annually

Prerequisites: HSCI 1100, and BIO 1820 or BIOL 1120

Credits: 4

HSCI 3400 - Health Sciences Methods

Goals: This course acquaints students with various methodological approaches used in the fields of public health and health sciences. Students will gain experience in research design and methodology, data collection methods, and analytical techniques through the development of a research proposal.

Content: Data collection and analysis methods, study design, qualitative methods, methods of monitoring, evidence-based decision making.

Taught: Annually

Prerequisites: HSCI 1100 and one of the following: MATH 1200, PSY 1340, or QMBE 1310.

Credits: 4

HSCI 5400 - Special Topics in Health Sciences

Goals: Examine a current topic in public health by reading and discussing current research literature.

Content: Critical discussion and analysis of a current topic in Public Health.

Prerequisites: HSCI 3400 and Junior or Senior standing.

Credits: 4

HSCI 5950 - Senior Seminar

Goals: To synthesize the concepts and approaches from the broad fields of Exercise Science and Public Health Sciences that have been learned through prior coursework and the internship or research experience; to prepare for the next steps in the academic or career path; and to formally present one's internship or research experience through a poster as well as an oral presentation.

Content: The first half of the course focuses on professional development and preparing to apply to graduate school or for jobs in the field. This includes resume, statement of purpose and interview preparation. The second half focuses on synthesizing what has been learned in coursework at Hamline with what the student has experienced and learned in the field during the internship or research experience. Students present their work during a poster presentation, and in an oral presentation.

Taught: Fall and Spring (cross-listed with EXSC 5950)

Prerequisites: Senior standing. The internship or research experience should either be completed prior to enrolling in this course, or significantly underway.

Credits: 4

IJRN 5960 - Internship Seminar in International Public Journalism

Goals: To provide experience in international journalism via a student internship with a local media partner and to reflect upon the practice of public journalism as a means of engagement with various audiences.

Content: Students conduct media shadowing and a formal internship in print, audio, video, or online journalism. Class

sessions contextualize the internship and allow students to share, compare, and analyze their internship experiences.

Taught: Annually, in the fall semester.

Prerequisites: Acceptance into the certificate in international journalism program or permission of instructor.

Credits: 4

IJRN 5970 - International Journalism Capstone Media Project

Goals: To produce an independent media project in some area of international journalism for public dissemination.

Content: In consultation with the instructor, students take primary responsibility for developing, researching, and producing a piece of print, radio, television, and/or online journalism.

Taught: Annually, in winter term.

Prerequisite: Advanced standing in the certificate in international journalism program and permission of instructor (submission of independent study form signed by instructor and certificate in international journalism program director).

Credits: 4

LGST 1110 - Legal Systems in American Society

Goals: Familiarization with the American legal system.

Content: An exploration of the American legal system with special emphasis on the role of law in the American social order. Working models of the judicial system are studied and the legal decision-making process is examined. Emphasis is placed on basic values of legal system: justice, equality, and fairness.

Taught: Every semester

Credits: 4

LGST 1250 - Legal Research and Writing

Goals: To introduce students to legal materials and methodology.

Content: A writing-intensive course with emphasis on the development of legal research, analysis, and drafting skills. An introduction to legal methodology and materials is presented by lecture, in-class exercises with out-of-class research, and writing exercises, utilizing print and electronic research materials.

Taught: Every semester

Prerequisite (or co-requisite): LGST 1110 or CJFS 1120, or permission of the instructor or chair.

Note: Legal specialty course.

Credits: 4

LGST 1440 - Beginning Mock Trial

Goals: Students learn basic trial procedures and advocacy skills through practice sessions and courtroom simulations. Students prepare for and conduct a trial of a hypothetical case.

Content: Participatory study of trial practice in the United States, advocacy, lawyering skills, and legal ethics. Focus on developing students' speaking and critical thinking skills.

Taught: Annually

Note: To be eligible for course credit, the student must participate in mock trial team practice during the fall semester and participate in one weekend tournament.

Credits: 4

LGST 3100 - American Constitutional Law

Crosslisted: Also listed as PSCI 3100

Goals: To study the role of the courts in the development of the American Constitution. To introduce students to the "rule of law" concept in Anglo American judicial history.

Content: Study of the United States Constitution and U.S. Supreme Court cases on separation of powers, federalism, civil liberties and civil rights.

Taught: Annually

Note: This course is applicable to majors and minors in Legal Studies and Political Science, regardless of whether it is taken as LGST 3100 or PSCI 3100. This course will not count as breadth of study for either major. Students may not earn credit for both LGST 3100 and PSCI 3100.

Credits: 4

LGST 3420 - Special Topics in Law

Goals: To provide students with an opportunity to engage in an advanced study in a specialized area of law.

Content: An intensive study of a specific area of law. Topics vary from semester to semester. Some past topics have been: securities law, immigration law, contracts, and law of worker's compensation.

Taught: Every semester

Prerequisites: LGST 1110 and LGST 1250 (which may be taken concurrently), or permission of the legal studies department chair or director of the paralegal program. LGST 3520 is recommended.

Note: Legal specialty course.

Credits: 4

LGST 3440 - Advanced Mock Trial

Goals: In-depth examination of the different aspects of a court-room practice, from both a real life and mock trial perspective.

Content: The course will examine jury selection, opening statements, direct and cross examinations, closing arguments, the rules of evidence, and working with expert witnesses while comparing each aspect of mock trial to real-life trial work. We will work with and learn from other Hamline disciplines, including Communications and Forensic Sciences, to broaden and strengthen your understanding of trial practice. No competition requirement.

Taught: Annually

Prerequisite: LGST 1440 or instructor permission

Credits: 4

LGST 3520 - Civil Litigation and Trial Practice

Goals: To acquaint students with the elements of civil trials from initial pleading through appeal.

Content: A study of fundamental principles of civil litigation, the court systems, attorney's functions, common types of civil lawsuits and defenses. Lecture and discussion is combined with role play exercises and writing assignments. Students prepare documents and conduct interviews and a mock trial.

Taught: Every semester

Prerequisite: LGST 1110 and LGST 1250 (may be taken concurrently).

Note: Legal specialty course.

Credits: 4

LGST 3530 - Wills, Trusts, and Estates

Goals: Introduce students to terminology, concepts, and general principles of law associated with wills, trusts and the procedures associated with probate and estate administration.

Content: Students will gain an understanding of estate planning and the skill to prepare the necessary and appropriate documentation associated with an estate plan, including wills, trusts, POA's, and Health Care Directives. Students will also learn and understand the laws of succession and the legal procedures related to estate administration.

Prerequisite: LGST 1250

Note: Legal specialty course.

Credits: 4

LGST 3540 - Family and Gender Issues in Law

Goals: To introduce and explore the legal theories, policies, and practices that affect men, women, and children in their relationships with each other and in gender roles.

Content: The course will emphasize the analytical, practical and verbal skills necessary for working in the area of family law. This course has also been approved for the Women's Studies major and minor. A Women's Studies course recognizes, analyzes, and evaluates women's contributions to knowledge, society, and culture. As a result, students enrolled in this course can expect opportunities to critically/analytically evaluate the diverse situations of women, nationally or globally; opportunities to critically examine social forces that change or shape the situation of women; and discussion of strategies for personal and/or social changes for the improvement of women's situations and status.

Taught: Alternate years

Prerequisite: LGST 1250

Note: Legal specialty course.

Credits: 4

LGST 3550 - Real Property

Goals: To understand the basic concepts and instruments affecting real property, including ownership interests, transfers of title, purchase agreements, mortgages, leases, liens, title examination, legal descriptions, and surveys.

Content: Learning theory and practice underlying laws, conveyancing documents, and other agreements affecting real property; coordinating mortgage foreclosures; study of additional requirements for transactions involving large commercial properties; registration proceedings; taxes, special assessments, legal descriptions, and other matters affecting real property.

Taught: Alternate years

Prerequisite: LGST 1250 or permission of instructor.

Note: Legal specialty course.

Credits: 4

LGST 3560 - Law of Business Organizations

Goals: To present the principles of law applicable to different types of business organizations and the preparation of related documents.

Content: The formation of business entities, including sole proprietorships, partnerships, and corporations; articles of incorporation and by-laws; close corporations; shareholders and directors meetings; corporate equity and debt securities; various types of agreements and distributions; bankruptcy; pertinent sections of the Uniform Commercial Code and the drafting of supporting documents.

Taught: Alternate years

Prerequisite: LGST 1250 or MGMT 3130

Note: Legal specialty course.

Credits: 4

LGST 3670 - Legal Interviewing

Goals: To introduce students to general interviewing principles and to explore in more detail interviewing in the legal setting including interviewing clients and witnesses.

Content: The course focuses on developing basic interviewing skills and explores particular features of conducting legal interviews including understanding the ethical implications of legal interviews and of cultural diversity as it affects legal interviewing. Particular attention is given oral communication skills through participation in small group and large group discussions and presentations. Students will have multiple opportunities to practice and analyze their own and others' oral communication skills and to understand the relationship between their communication choices and outcomes.

Taught: Annually

Prerequisite: LGST 1110 or CJFS 1120

Note: Legal specialty course.

Credits: 4

LGST 3680 - Law of Evidence for Legal Professionals

Goals: To provide an overview of the law of evidence, focusing primarily on the Federal Rules of Evidence but, where appropriate, distinguishing the Federal rules from the Minnesota Rules of Evidence.

Content: This course will cover the terminology, concepts and theories of the law of evidence, including methods of reasoning and of assessing reasoning strength and validity. In addition to becoming familiar with evidentiary rules, students will develop familiarity with Federal and Minnesota Rules of Evidence, identify evidentiary issues in hypothetical fact situations and, where appropriate, interpret and use formal symbolic and abstract representation to resolve evidentiary issues. The course will also emphasize the importance of collecting and preserving evidence, identifying necessary witnesses, and understanding appropriate techniques in introducing and objecting to evidence.

Taught: Annually

Prerequisite: LGST 1110 or CJFS 1120; LGST 1250 is also recommended

Note: Legal specialty course.

Credits: 4

LGST 3750 - Alternative Dispute Resolution

Goals: The course is designed to introduce students to the theory and application of alternative dispute resolution, emphasizing important principles and issues in negotiation, mediation, and arbitration.

Content: Students become familiar with negotiation, mediation, arbitration, and other methods of resolving disputes as alternatives to litigation and become able to prepare for and participate in alternative dispute resolution activities. Students are required to reflect and report on the effectiveness of ADR mechanisms in different situations, including cross-cultural dispute resolution and to become familiar with cooperative and collaborative problem solving.

Taught: Alternate years

Note: *Legal specialty course.

Credits: 4

LGST 3760 - Contracts

Goals: To provide an overview of contract law, focusing on contract formation, performance, interpretation, and remedies for breach.

Content: Students will be introduced to the various elements of a valid contract and will learn and apply practical contract drafting skills focusing on appropriate contract clauses and provisions. Students will also analyze and apply law to factual scenarios and prepare formal and informal legal documents, including case briefs, legal memoranda, and contract clauses and provisions.

Taught: Annually

Prerequisites: LGST 1110 and LGST 1250, or instructor permission; LGST 3520 is recommended
Note: Legal specialty course.
Credits: 4

LGST 3770 - Law Office Technology

Goals: To provide an overview of computerized law office procedures and technology, and the related ethical considerations.
Content: Students will be introduced to computer technology and its application within the law office with particular emphasis on the role of the paralegal. Topics include hardware and technical networking, case management software systems, the paperless law office, law office accounting and billing, litigation support tools, and trends in legal technology.
Taught: Every semester
Prerequisite: LGST 1110 and LGST 1250, and LGST 3520 or concurrent registration in 3520; or permission of the instructor.
Note: Legal specialty course.
Credits: 4

LGST 3780 - Employment Law

Goals: To introduce students to legal concepts related to the employment context, with a particular emphasis on employment discrimination.
Content: An introduction to federal and Minnesota employment laws that govern the basis of an employment relationship, pre-employment concerns, employment contracts, and employee privacy with detailed coverage of anti-discrimination laws and their application in various stages of the employment relationship.
Taught: Annually
Prerequisite: LGST 1110 and LGST 1250, or permission of the instructor.
Note: Legal specialty course.
Credits: 4

LGST 3790 - Law and the Lives of Women

Goals: To gain a better understanding of the legal system, its impact on women, and the historical development of law in the context of the cultural politics of gender.
Content: Using readings of text and law, and practical learning in the context of advocacy and women's issues, the course examines 1) the historical development of policies aimed at eliminating gender bias and promoting equality and 2) the practice of advocating for women in the current legal system.
Taught: Annually
Prerequisites: LGST 1250 or WSTD 1010, or permission of the legal studies chair.
Note: Legal specialty course.
Credits: 4

LGST 5600 - Tort Law

Goals: To introduce students to the body of law that makes up the field of tort law.
Content: An overview of the rights, obligations and remedies that are applied by courts in civil proceedings to address the claims of individuals that have been injured by the wrongful act of others.
Taught: Annually
Prerequisite: LGST 1110, LGST 1250, and LGST 3520.
Note: Legal specialty course.
Credits: 4

LGST 5800 - Senior Seminar in Legal Studies

Goals: To introduce students to advanced legal research and writing methods. To provide opportunity for individual and independent legal research on advanced topics.
Content: A study of advanced techniques in legal research including federal and other states' materials. A seminar in which the students and the faculty member explore current issues in the legal field. Each student develops and pursues an individually designed research project leading to the production of an advanced writing project on a current legal issue.
Taught: Every semester
Prerequisites: Senior standing, LGST 1110 and LGST 1250, or permission of the legal studies chair.
Credits: 4

LGST 5900 - Legal Studies Practicum

Goals: To apply the concepts and principles previously learned in a practical working environment under the supervision of a lawyer and/or an experienced paralegal (legal assistant).
Content: A 150-hour apprenticeship in the performance of the duties of a paralegal in one of the typical settings for members of the profession; hands-on production of drafts and collation of legal documents under experienced supervision and guidance; attendance at weekly seminars, designed to tie experiential and academic experiences together and to ensure adequate preparation for entry in the profession.
Taught: Every semester
Prerequisites: LGST 1110, LGST 1250, LGST 3520, and four other credits of Legal Studies coursework. (Students need to secure an internship before the semester in which they are taking the class and doing the internship.)
Note: Legal specialty course.
Credits: 4

LSTD 5000 - Latin American Studies

Goals: This course will focus on the discipline of Latin American Studies through the U.S. response to rebellions, reform and revolutions in Latin America during the (long) 20th century.
Content: We will begin the semester with an introduction to approach and theories, with particular interest in how the

U.S. "saw" Latin America and what Latin Americans thought of these portrayals. We then move chronologically through several significant Latin American conflicts into which the U.S. involved itself.

Taught: Annually.

Credits: 4

LSTD 5100 - Contemporary Issues in the Americas

Goals: The primary objective of this course is to further our understanding of the Americas by studying many of the political, social, economic, and historical forces affecting the region today. Through this course students will come to appreciate the complex interrelatedness of these and other issues, and the necessity, in this new era of the "global village," for international relations to be founded on knowledge, understanding, and respect.

Content: Through a case study approach we will examine how certain issues are played out in specific countries. For example, we will look at Mexico as we try to understand the phenomena of migration and urbanization; in Argentina and Brazil we will engage issues of authoritarianism and models of economic development; the examples of Peru and El Salvador will teach us about revolution; Chile will introduce to the changing role of Latin American women; and nations of the Caribbean will serve as case studies on race and ethnicity. Specific case studies may vary from year to year.

Taught: Annually.

Note: This course is not recommended for first-year students.

Credits: 4

MATH 1130 - Fundamental Concepts of Mathematics

Goals: To gain an understanding of how the language of mathematics is used in problem solving. This course is especially appropriate for prospective elementary teachers.

Content: Precise formulation of problems, symbolization, strategies for solution of mathematical problems, introduction to various number systems and to mathematical logic.

Credits: 4

MATH 1150 - Precalculus

Goals: To learn how to use the calculus of one variable and the fundamental concepts of the calculus, with a concurrent review of pre-calculus concepts.

Content: Pre-calculus mathematics emphasizing functions, graphing, and trigonometry concurrent with a first course in calculus.

Taught: Fall and spring term.

Prerequisites: Plane geometry and high school algebra.

Credits: 4

MATH 1170 - Calculus I

Goals: To learn how to use the calculus of one variable and the fundamental concepts of the calculus.

Content: Limits, continuity, derivatives and integrals of functions of one variable. Applications are taken mostly from the physical sciences.

Prerequisite: Twelfth-grade high school mathematics with at least B grades or consent of instructor.

Credits: 4

MATH 1180 - Calculus II

Goals: To learn how to use the calculus of one variable and the fundamental concepts of the calculus.

Content: Integrals of functions of one variable, sequences and series. Applications are taken mostly from the physical sciences.

Prerequisite: MATH 1170 or consent of instructor.

Credits: 4

MATH 1200 - Applied Modeling and Statistics

Goals: To cover the fundamentals of statistical data analysis.

Content: Elementary probability, descriptive statistics, parametric and nonparametric tests of hypotheses, analysis of variance, correlation and regression. Statistical computing will be in R.

Prerequisite: High school algebra.

Credit will not be given for both MATH 1200 and PSY 1340 or MATH 1200 and QMBE 1310.

Credits: 4

MATH 3320 - Multivariable and Vector Calculus

Goals: To extend concepts of calculus in two variables to the calculus of several variables.

Content: Vector calculus, partial and total differentiation, maximum/minimum problems, multiple integration, line and surface integrals, vector and scalar fields, theorems of Green, Gauss, and Stokes.

Taught: Fall and Spring terms

Prerequisite: MATH 1180

Credits: 4

MATH 3330 - Linear Algebra

Goals: To gain an appreciation for how abstract structures are used to solve theoretical and practical problems.

Content: Systems of linear equations, matrices, determinants, vector spaces and bases, transformations, eigenvectors, introduction to linear differential equations.

Taught: Fall term.

Prerequisite: MATH 1180 or consent of instructor.

Credits: 4

MATH 3440 - Discrete Mathematics

Goals: To introduce the concept of the discrete as well as techniques used in higher non-continuous mathematics, providing the necessary background material required by computer scientists for algorithm analysis.

Content: Sets and numeration, combinatorics, logic, algorithms, recursion, generating functions, graphs, and trees.

Taught: Spring term

Prerequisite: MATH 1170

Credits: 4

MATH 3550 - Foundations of Mathematics

Goals: To study mathematics as a logico-deductive system and to analyze those concepts and techniques that underlie all of mathematics.

Content: Logic, proof construction, sets, relations, functions, mathematical induction, arguments involving infinite sets, number systems, axiomatics.

Taught: Spring term

Prerequisite: MATH 1180

Credits: 4

MATH 3560 - Modern Geometry

Goals: To introduce to the concept of model building in mathematics from both a synthetic and an axiomatic point of view.

Content: Various geometries are studied with attention paid to what geometry is. Hilbert's axiom system for Euclidean geometry, hyperbolic geometry, and transformations.

Taught: Alternate years, spring term.

Prerequisite: MATH 1170.

Credits: 4

MATH 3720 - Differential Equations

Goals: To learn to determine both the qualitative and quantitative properties of those functions which satisfy ordinary differential equations, using both analytic and numerical techniques.

Content: Analytic methods of solution, numeric methods of solution, linear differential equations, series solutions, the Laplace transform, systems of differential equations, initial and boundary value problems, existence theory and applications.

Taught: Spring term, alternate years

Prerequisite: MATH 3320 or consent of the instructor

Credits: 4

MATH 3810 - Probability

Goals: An introduction to the basic topics of mathematical probability theory, in preparation for a course in mathematical statistics such as MATH 5810.

Content: Definition of probability, probability distributions (discrete and continuous), expectation, random variables and functions of random variables. Sampling distributions and applications.

Taught: Fall term

Prerequisites: MATH 1180, MATH 3320 recommended

Credits: 4

MATH 3890 - Algebra I

Goals: An introduction to algebraic structures.

Content: An introduction to algebraic structures with an emphasis on the group axioms. Topics include normal subgroups, factor groups, and homomorphisms. Examples will be drawn from number theory, the complex numbers, geometric constructions, and the symmetric group.

Taught: Fall term, alternate years

Prerequisite: MATH 3550

Credits: 4

MATH 3910 - Analysis I

Goals: To learn the language, fundamental concepts, and standard theorems of analysis.

Content: Topology of the real numbers, sequences and series, continuity, differentiation and integration with an emphasis on rigorous proofs of theorems from the calculus.

Taught: Fall term, alternate years

Prerequisite: MATH 3550

Credits: 4

MATH 5810 - Mathematical Statistics

Goals: To gain an understanding of both probability and statistics as not merely collecting and organizing data but as the science of basing inferences on observed data and making decisions in the face of uncertainty. The student will be prepared to take the preliminary actuarial examination in probability and statistics.

Content: Probability distributions, mathematical expectation, random variables, point and interval estimation, hypothesis testing, regression and correlation, analysis of variance.

Taught: Spring term, alternate years

Prerequisite: MATH 3810

Credits: 4

MATH 5850 - Numerical Analysis

Goals: To introduce the methods of modern computation as used in solving problems with the aid of a computer using various algorithms.

Content: Algorithms for the solution of equations in one variable, interpolation and polynomial approximation, numerical differentiation and integration, initial-value problems for differential equations, solution of linear systems by direct or iterative techniques and various methods of approximation.

Taught: Spring term, alternate years

Prerequisite: MATH 3320

Credits: 4

MATH 5890 - Algebra II

Goals: To continue the study of algebraic structures begun in MATH 3330 with the goal of seeing how the building of these mathematical models yields powerful tools to understand the global nature of mathematics.

Content: Development of the elementary concepts of groups, rings, and fields.

Taught: Spring term, alternate years

Prerequisite: MATH 3890

Credits: 4

MATH 5910 - Analysis II

Goals: To learn the language, fundamental concepts, and standard theorems of analysis. To also learn how to reason deductively from explicit assumptions and definitions in mathematical analysis, thus developing analytic techniques for attacking problems that arise in applied mathematics. Recommended for students considering graduate school in mathematics.

Content: An introduction to real analysis with emphasis on proofs of theorems and on problem solving. Topics include properties of the real number system, functions, sequences, limits and continuity, differentiation, integration, and infinite series including sequences and series of functions.

Taught: Spring term, alternate years

Prerequisite: MATH 3910

Credits: 4

MATH 5920 - Junior Seminar

Goals: The student will be introduced to ideas and issues that are outside of the regular undergraduate curriculum, studying how mathematics is used in academia and industry.

Content: Reviews of current research and projects of various mathematicians: senior math majors, guest lecturers, and department staff. Student presentations of topics from internships, independent studies, or honors projects.

Credits: 0.5 per term

MATH 5930 - Senior Seminar

Goals: The student will be introduced to ideas and issues that are outside of the regular undergraduate curriculum, studying how mathematics is used in academia and industry.

Content: Reviews of current research and projects of various mathematicians: senior math majors, guest lecturers, and department staff. Student presentations of topics from internships, independent studies, or honors projects.

Credits: 0.5 per term

MATH 5950 - Topics in Advanced Mathematics

Goals: To synthesize previous work in the various areas of mathematics with the goal of putting the areas in a historical perspective and of relating them to the question of what makes up mathematics.

Content: The content of the seminar varies from year to year depending on the instructor. Attention is paid to the history of mathematics and to filling gaps in the spectrum of mathematics presented at the undergraduate level.

Taught: Spring term

Prerequisite: MATH 3550, senior standing recommended

Credits: 4

MGMT 3100 - Foundations of Management

Goals: To understand basic concepts, theories, and research in management and to apply them to practical management problems. To relate the liberal arts to work, using a common theme of ethics.

Content: The principal functional areas of management (planning, organizing, controlling, and leading) are examined in the context of organizations and groups. Ethical issues and the different views of work from various fields are examined.

Prerequisites: Sophomore, junior, or senior standing, or consent of the instructor.

Credits: 4

MGMT 3130 - Business Law

Goals: To provide an overview of the law as it relates to the formation, operation, and completion of business transactions. The course is not only intended to assist the student who plans a career in management, but also the student interested in a legal career.

Content: Contracts, sales, secured transactions, commercial paper, and bankruptcy.

Prerequisite: MGMT 3100 or LGST 3520 (grades of C- or better), and junior or senior standing.

Credits: 4

MGMT 3700 - Human Resource Management

Goals: To explore the field of human resource management (HRM) from the perspective of HR professionals, supervisors, managers, and employees. To learn how to identify and implement human resource policies and practices that are legal, ethical, organizationally sound, and help the organization to achieve its goals.

Key Content Areas Include: Recruiting, interviewing, and placing employees; creating an effective work environment; analyzing jobs; affirmative action and diversity in the workplace; compensation systems; performance management; union/management relations; the ethics and legality of human resources decisions; and managing human resources globally.

Prerequisites: MGMT 3100 (grade of C- or better), or consent of the instructor.

Credits: 4

MGMT 3720 - International Business Environment

Goals: To provide an overview of the international business environment including key international institutions. In this course, students will explore the meaning and nature of culture as well as its influence on management functions and international business throughout the world. The course will examine dominant cultural norms in key world regions and effective cross-cultural communication and management methodologies designed to enhance international business success.

Content: The nature and role of culture in international business and management, regional cultural norms throughout the world, international negotiating and resolution styles, cross-cultural synergy, international business ethics, international human resources management issues, and international organizations that influence business.

Prerequisite: ECON 1310, ECON 1320, and MGMT 3100 (grades of C- or better); junior or senior standing; or consent of the instructor

Credits: 4

MGMT 3740 - Organizational Behavior

Goals: To develop an understanding of this interdisciplinary field so that management from an organizational perspective is enhanced, thus creating and sustaining competitive advantages. To develop and strengthen effectiveness as a leader, manager and team member by introducing frameworks for understanding organizations and the behavior of people and groups within them.

Key Content Areas include: Diversity in organizations, attitudes, job satisfaction, motivation, group behavior, working in teams, communication, leadership organizational power and politics, conflict and negotiation, organizational structure, organizational culture, organizational change, and human resource policies and practices.

Prerequisites: MGMT 3100 (grade of C- or better), or consent of the instructor

Credits: 4

MGMT 3750 - Entrepreneurship

Goals: To expose students to the wide variety of knowledge and skills needed to be a successful entrepreneur or small business manager. To help students integrate their other studies in business, and to understand how the different disciplines apply in starting and running a business.

Content: This course is an intensive, applied approach to understanding Entrepreneurship and Small Business Management. Topics include selection of organizational form, start up costs, licenses and permits, location selection and layout, operations, management, marketing and advertising, accounting and record-keeping, financial projections, and financial analysis. Throughout the course the students will develop a comprehensive business plan for an organization of their choosing.

Prerequisites: MGMT 3100 and MKTG 3100 (grades of C- or better), or consent of the instructor

Credits: 4

MGMT 3760 - Sustainable Enterprise

Goals: To introduce students to best practices in sustainable management in for-profit, non-profit and governmental entities, including assessment and strategic planning for sustainability initiatives.

Content: Stakeholder analysis and governance and leadership for sustainable initiatives. Functional areas for sustainability initiatives including production, logistics, facilities management, and marketing. Critical analysis of success/failure of sustainability initiatives in organizations.

Prerequisite: MGMT 3100 and MKTG 3100 (grades of C- or better), or consent of the instructor

Credits: 4

MGMT 3770 - Sports Management and Marketing

Goals: This course is designed to provide an overview of historical perspectives in the sport and recreation management fields as well as their current and future trends.

Content: Key components will include an examination of the philosophy and function of recreation and an overview of sport management marketing, finance, legal and ethical principles, facilities, and general sport industry divisions.

Prerequisites: MKTG 3100 (grade of C- or better), or consent of the instructor

Credits: 4

MGMT 3780 - Sport Facility Management

Goal: To introduce students to issues related to management of sport and recreation facilities.

Content: Students learn the principles and practice involved in (This course provides an introduction to) the planning, design, and maintenance of sport and recreation facilities, from local community facilities to professional settings.

Prerequisites: MGMT 3100 (grade of C- or better)

Credits: 4

MGMT 3790 - Promotion and Event Planning

Goal: To study the application of basic marketing concepts in sport and recreation settings.

Content: This course builds upon Foundations of Marketing by applying marketing theory and principles in identifying specific strategies for planning and promotion of sport and recreation events in a variety of settings with diverse populations.

Prerequisites: MKTG 3100 (grade of C- or better) or consent of the instructor

Credits: 4

MGMT 3960 - Internship with Seminar

Goals: To provide an opportunity to apply students' skills and knowledge in a working/learning context. To complement internships by providing discussion groups for sharing and crosschecking students' experiences.

Content: Students must hold an internship and will also meet once a week as a group to articulate and assess their experiences.

Prerequisite: Junior or senior standing, or consent of the instructor. Primarily intended for economics and business

majors, but other majors with administrative internships are welcome.

Credits: 0 or 4

MGMT 5860 - Strategic Management

Goals: To learn to think strategically. To learn to work effectively on a policy setting management team. To develop knowledge and skills necessary to analyze and resolve formulation and implementation issues.

Content: The formulation and implementation of management strategy, utilizing learning from other business courses and insights from business experiences.

Prerequisites: ECON 1320, MGMT 3100, MKTG 3100, FIN 3100 (grades of C- or better), and senior standing, or consent of the instructor.

Credits: 4

MKTG 3100 - Foundations of Marketing

Goals: To understand basic marketing concepts and to apply them to practical marketing problems.

Content: Legal, behavioral, ethical, competitive, economic, and technological factors are examined as they affect product, price, promotion, and place decisions.

Prerequisites: Grade of C- or better in both ECON 1310 and one statistics course (QMBE 1310 or PSY 1340 or MATH 1200), or consent of the instructor.

Credits: 4

MKTG 3700 - Marketing Management

Goals: To understand marketing management concepts through text and readings. To become familiar with current marketing thought through reading and analysis of journal articles. To function effectively as part of a management team which is addressing marketing problems. To develop an understanding of the principal tools of the marketing manager. To recognize the factors which affect the efficiency and effectiveness of marketing programs.

Content: The development and implementation of marketing strategy, with particular emphasis on the major components of a marketing program.

Prerequisites: ECON 1320, MGMT 3100, and MKTG 3100 (grades of C- or better), or consent of the instructor

Credits: 4

MKTG 3710 - International Marketing

Goals: To provide students with a fundamental understanding of concepts, theories, issues, and practices related to international and global marketing. The course will explore marketing issues in crosscultural perspectives and investigate culturally appropriate global opportunities. The course will also address ethical issues related to market development and explore the managerial implications of these cultural and ethical issues as they relate to the market practice.

Content: Global marketing and marketing research, social and cultural environment, political, legal, and financial environment, segmenting and targeting, exporting and importing, product pricing, distribution, and advertising in the global marketplace.

Prerequisites: ECON 1320 and MKTG 3100 (grades of C- or better), or consent of instructor.

Credits: 4

MKTG 3720 - Market Research

Goals: This course introduces the fundamentals of market research in order to prepare students to conduct basic research or to be more informed consumers of marketing research services.

Content: Major topics include the use of secondary research, research design for surveys, experiments, and focus groups, and both quantitative and qualitative data analysis.

Taught: Spring semester

Prerequisites: MKTG 3100 or consent of the instructor.

Credits: 4

MKTG 3730 - Digital Marketing

Goals: This course introduces students to digital marketing strategies used within an organization's overall marketing efforts.

Content: Digital Marketing studies how organizations use the internet, social media and wireless connectivity to foster customer and constituent engagement to fully develop new and existing markets. Students will identify and evaluate online marketing challenges and opportunities to help an organization be competitive in today's dynamic marketplace.

Prerequisite: MKTG 3100 (grade of C- or better), or consent of the instructor

Credits: 4

MKTG 3740 - Consumer Behavior

Goals: This course provides students a thorough understanding of consumer behavior and related the consumer behavior concepts to marketing theory and practice. The course is structured to enable students to develop critical thinking and decision-making skills in consumer behavior and marketing. By working through consumer behavior problems, cases and exercises, the students get a chance to experience some of the professional challenges, issues, and decisions that face marketers and to develop their marketing knowledge and skills.

Content: An interdisciplinary approach to the study of consumer behavior, with emphasis on the implications for marketing of theory and findings from the behavioral sciences.

Prerequisites: QMBE 1310 (or equivalent statistics course) and MKTG 3100 (grades of C- or better), or consent of the instructor

Credits: 4 credits

MODL 1010 - The Language Phenomenon

Goals: To understand language, the uniquely human enterprise, and particularly the English language. To describe language—its sound patterns, its forms, its meanings, its structural patterns. To determine how languages are born, evolve, and die. To discern how both first and second languages are acquired.

Content: English phonetics, phonology, morphology, writing, syntax, semantics. Language both in its social context—dialects, slang, taboos, language acquisition—and in its historical context—philology and etymology. Class activities may include reading from Lewis Carroll, collecting of speech samples from sound tracks, media, and the street, creating a new language and analyzing word games.

Taught: Annually

Credits: 4

MODL 1020 - Language and Society

Goals: To examine how language reflects an individual's or group's status or power in society, social class, ethnic background, geographical or regional origins, political associations, and religious identity, as well as gender.

Content: Sociolinguistics examines urban complexities and emphasizes the effect of our attitudes on speech. Students discover their own idiolects and verbal repertoires, learn why Italians in New York might hypercorrect, why some men choose not to speak as well as women do (covert prestige), why we call someone "Dr." one moment and "Jimmy" or "Jane" the next, and why we use taboo words. Our linguistic choices tell others how conservative or liberal, how religious, how sexist, how racist, or how status-conscious we are. Special attention is given to the origins of African-American English and its characteristics as reflected in literature.

Taught: Annually

Credits: 4

MODL 1030 - Language as Literature

Goals: To introduce students to the analysis and interpretation of literature, especially the literature of French, German, and Spanish speaking peoples.

Content: Representative samples of drama, prose, and poetry. All texts are in English.

Taught: Periodically

Credits: 4

MUS 1010 - Rhythms and Intonation in Music

Taught: Summers

Credits: 4

MUS 1020 - Elements of Music

Goals: To increase students' understanding of musical language and construction and provide performance experience. To learn to read and perform elements of rhythm, pitch, and expression, students will sing, play the

piano and percussion instruments, move, compose, and improvise.

Content: Beats and subdivisions, rhythm patterns, simple and compound meters, pitch in treble and bass clefs, intervals, scales and key signatures, primary chords.

Taught: Alternate years

Credits: 4

MUS 1030 - Music in World Cultures

Goals: To introduce students to the music of diverse cultures.

Content: This course introduces selected musical traditions from around the world, featuring case studies from Africa, the Caribbean, Asia, the Middle East, Europe, Oceania, Latin America, or North America. Students will be introduced to the discipline of ethnomusicology, which explores the relationship between cultural context and various forms of human musical expression including as a meaningful aspect of daily life. Students will also learn to identify the basic elements of music, such as melody, rhythm, harmony, timbre, texture, and form, as found in various musical cultures, will learn the variety of uses and functions attributed to music and gain a glimpse into the musicians' perspectives. Offered both online and on-campus. Attendance required at performances outside the regular class time. The on-campus section includes some hands-on musical activities.

Taught: Every semester

Credits: 4

MUS 1070 - Beginning Class Voice

Goal: Learn basic vocal production and singing techniques.

Content: Breathing, sound production, diction, vowel placement, ensemble basics.

Taught: Every semester

Note: May be repeated once for credit.

Credits: 2

MUS 1080 - Music History Abroad

Goals: To study the composers, compositions, and styles on-site through traveling in Italy, Austria, Germany, Hungary, Czech Republic, and other countries.

Content: Italian music from Palestrina to Verdi; music of Bach, Mozart, Haydn, Beethoven, Brahms, Dvorak, Liszt, and others. MUS 1080 can count for breadth of study for music majors.

Taught: January term and extended May term.

Credits: 4

MUS 1100 - Survey of Western Music

Goals: To establish a vocabulary for musical understanding and discussion; to establish a foundational knowledge of Western Classical music history; to become familiar with selected works from this repertoire; to introduce students to traditional musics of other selected cultures.

Content: Recordings, supplemented with readings.

Taught: Alternate years

Credits: 4

MUS 1130 - University Choral

Goals: To develop healthy vocal production and ensemble skills.

Content: A non-auditioned treble chorus performing a wide variety of secular and sacred repertory from ancient to modern. One or two concerts are given each semester.

Credits: 1 or 0

MUS 1210 - Beginning Class Piano

Goals: To develop basic keyboard skills and music fundamentals.

Content: Music notation, sight reading, intervals, rhythm and meter, scale and triad building, harmonization, elementary repertory, and improvisation.

Taught: Every semester

Note: May be repeated once for credit. Counts towards breadth of study requirement for music performance majors.

Credits: 2

MUS 1250 - Invitation to the Opera

Goals: To introduce students to the practice and history of opera.

Content: The chronology of opera in western music will be described. Examples of live and video-taped performance will be examined critically.

Taught: Alternate years

Credits: 4

MUS 1600 - Class Violin

Goals: This 1000-level course is intended for students who would like to develop their violin technique and explore alternative styles, such as bluegrass, Irish, and other ethnic fiddle traditions.

Content: Students will meet weekly as a class to work on pieces which will be performed at the end of the semester in a student recital.

Taught: Every semester

Note: Beginning violin students are welcome, as well as students with some violin experience. Note-reading is helpful but not required. May be repeated for credit.

Credits: 2

MUS 1750 - Class Guitar

Goals: To learn basic folk and classical guitar techniques.

Content: Basic technical skills and varied guitar literature.

Taught: Every semester

Credits: 2

MUS 3070 - Advanced Class Voice

Goals: Continuation of MUS 1070: Beginning Class Voice; work on more advanced vocal production and singing techniques.

Content: Breathing, sound production, diction, vowel placement, and ensemble singing.

Taught: Every semester

Prerequisite: MUS 1070 or permission of instructor

Note: May be repeated once for credit.

Credits: 2

MUS 3120 - A Cappella Choir

Content: Performance of sacred and secular repertory from the sixteenth century to the present. Several concerts are given each semester, with international tours every four years.

Prerequisite: Members chosen by audition.

Credits: 1 or 0

MUS 3140 - Hamline Wind Ensemble

Goal: Development of repertoire; development of individual technique and ensemble skills.

Content: Musical experience for woodwind, brass, and percussion players through rehearsal and performance of original wind band literature as well as quality transcriptions. Repertoire covers three centuries. Ensemble experience includes small chamber ensembles (3 to 10 players) of like instrumentation, mixed instrumentation, and sectional choirs.

Prerequisites: Experience playing an instrument. Seating auditions at start of term.

Credits: 1 or 0

MUS 3150 - Jazz Ensemble

Content: Students study, improvise, and perform music in the jazz and popular idiom, with both vocal and instrumental combos formed from the larger group. Performance opportunities include the annual Swing Dance, high school and college JazzFests, and local venues.

Prerequisites: Experience playing an instrument or in voice. Seating auditions at start of term.

Credits: 1 or 0

MUS 3160 - Hamline Orchestra

Content: Students study and perform orchestral repertoire from the 18th century to the present. In string and wind sectionals, students explore orchestral excerpts, conducting, and repertoires for single families of instruments.

Prerequisite: No formal prerequisite, though advanced intermediate performance skills are expected. Ensemble membership is subject to placement auditions at start of term.

Note: There will be an additional one hour required weekly sectional rehearsal for each section of violins, violas, and cello/bass, as well as soloists depending on the repertoire.

Day/time tbd. Specific class times are to be arranged between the instructor and the entire section of students at the start of the term.

Credits: 1 or 0

MUS 3170 - Chamber Music/Small Ensembles

Goal: To develop rehearsal techniques, performance preparation and interpersonal communication skills.

Content: Small groups of 3-7 players meet weekly in independent rehearsals and supervised coaching sessions with music faculty. Selected pieces will be performed at the end of semester.

Taught: Every semester

Prerequisite: Experience making music

Note: May be repeated for credit.

Credits: 1 or 0

MUS 3190 - Accompanying

Goal: Development of collaborative piano skills.

Content: Piano students will be matched with vocalists or instrumentalists for collaborative work.

Prerequisite: Consent of instructor

Note: May be repeated for credit.

Credits: 1

MUS 3220 - Advanced Class Piano

Goals: Development of repertoire, technique, and sight-playing. This course prepares students for private performance studies.

Content: Intermediate repertoire, scales and arpeggios in multiple octaves, triads and inversions, chord progressions, and harmonization from lead sheets, and improvisation.

Taught: Every semester

Prerequisite: MUS 1210 or instructor permission

Note: May be repeated once for credit.

Credits: 2

MUS 3300 - Topics in Performance Literature

Goals: To provide students with a comprehensive knowledge of the historical development, major forms, major composers, stylistic changes and technical developments of particular areas of music. (Chamber music, symphonies, piano music, etc.)

Content: Representative compositions from Renaissance era through the present. The general styles, individual composers and compositions are studied in detail through readings, score identification, and listening identification.

Taught: Alternate years

Note: Topics rotate - see current semester schedule.

Credits: 4

MUS 3310 - Topics in Medieval and Renaissance Music

Goals: Designed for nonmajors and majors, the course will explore diverse issues in early music. The dominance of the

Church, the rise of the "secular," the impact of the doctrines of "courtly love," and the contexts of the other arts and politics; these and others will be studied in their relationship to specific musical works of the period.

Content: Representative compositions from Gregorian chant to Palestrina.

Taught: Alternate years

Credits: 4

MUS 3320 - Topics in Baroque Music

Goals: Designed for non-majors and majors, the course will explore issues in 17th and 18th century music. The domination of language and its impact on opera, the age of Kepler, Newton, and Galileo running parallel to the new flowering of instrumental music; these and others will be studied in their relationship to specific musical works of the period.

Content: Representative compositions from Monteverdi to Bach and Handel.

Taught: Alternate years

Credits: 4

MUS 3330 - Topics in Classical and Romantic Music

Goals: Designed for non-majors and majors, the course will explore issues in 18th and 19th century music. The impact of the enlightenment and the American and French Revolutions, the differentiation of concepts of Classicism and Romanticism, the import of late 19th century thought (Darwin, Marx, Freud); these and others will be studied in their relationship to specific musical works of the period.

Content: Music of Haydn, Mozart, Beethoven, Chopin, Billings, Brahms, Wagner, and others.

Taught: Alternate years

Credits: 4

MUS 3340 - Topics in Twentieth-Century Music

Goals: Designed for nonmajors and majors, the course will explore issues in the music of the 20th century. The impact of wars, of political systems, of technology, of gender and race, the import of expressionism, of impressionism, of technical systems, and of the conflict between classical and popular cultures; these and others will be studied in their relationship to specific musical works of the period.

Content: American music, serialism, electronic music, new structural principles.

Taught: Alternate years

Credits: 4

MUS 3350 - Music History I

Goals: Provide students with a rigorous knowledge of the chronology of music history. Ability to read music required.

Content: A detailed survey from the time of the Greeks to the early 18th century.

Taught: Alternate years, fall term.

Credits: 4

MUS 3360 - Music History II

Goals: Provide students with a rigorous knowledge of the chronology of music history. Ability to read music required.

Content: A detailed survey from the early 18th century to the mid-19th century.

Taught: Alternate years, spring term.

Credits: 4

MUS 3370 - Music History III

Goals: Provide students with a rigorous knowledge of the chronology of music history. Ability to read music required.

Content: A detailed survey from the mid-19th century to the present.

Taught: Alternate years

Credits: 4

MUS 3400 - Dalcroze Eurhythmics

Goals: Develop active listening skills, coordination of body and mind, internalization of rhythm, melody, harmony, and improvisation skills.

Content: Eurhythmics exercises in beat, twice as fast/slow, rhythmic patterns, simple and compound meter, complementary rhythm, phrase, measure shape (anacrusis-crusis-metacrusis) and solfege.

Taught: Alternate years

Prerequisite: MUS 3410

Credits: 2

MUS 3410 - Theory of Music I: The Language of Music

Goals: Reinforce fundamentals of music and develop a basic knowledge of tonal harmony.

Content: Fundamentals of music notation and systems, introduction to analysis, sight-singing, and aural training including computer-based instruction. Course work requires basic piano skills.

Taught: Annually, fall term

Note: In addition to the regularly scheduled class time, there is a required one hour per week solfege lab. Meeting time will be determined at the start of the term.

Credits: 4

MUS 3420 - Theory of Music II: Techniques of Analysis & Composition

Goals: Intermediate development of written and aural skills.

Content: Harmonic progression, seventh chords, modulation, composition in small forms, and aural training including harmonic dictation. Elements of style analysis.

Taught: Annually, spring term

Prerequisite: MUS 3410

Credits: 4

MUS 3430 - Theory of Music III: Chromatic Harmony

Goals: To develop advanced skills in theory for music majors.

Content: Chromatic harmony, analysis of musical forms, style analysis, and aural analysis and composition.

Taught: Alternate years, fall term

Prerequisite: MUS 3420

Credits: 4

MUS 3450 - Arranging, Orchestration, and Computer Notation

Goals: Develop skills in arranging and orchestrating music through the use of the latest computer notation software.

Content: Techniques of arranging music for various combinations of instruments and voices using computer notation.

Prerequisite: MUS 3410

Credits: 2

Performance Studies, 3000-level

Goals: To develop individual musicianship and performance skills.

Content: 12 half-hour lessons, one meeting per week through the semester.

Prerequisites: Prior training in music and intermediate performing ability; participation in a departmental ensemble. Audition required.

Note: Music Majors in piano, guitar, percussion, composition are required to participate in a large or small ensemble.

Lesson Fee: \$50.00 per credit, waived for declared majors.

Students may not register for private lessons at other ACTC schools.

Credits: 2

- MUS 3500 - Performance Studies Voice
- MUS 3510 - Performance Studies Piano
- MUS 3520 - Performance Studies Organ
- MUS 3530 - Performance Studies Harpsichord
- MUS 3540 - Performance Studies Guitar
- MUS 3550 - Performance Studies Flute
- MUS 3560 - Performance Studies Oboe
- MUS 3570 - Performance Studies Clarinet
- MUS 3580 - Performance Studies Saxophone
- MUS 3590 - Performance Studies Bassoon
- MUS 3600 - Performance Studies Violin
- MUS 3610 - Performance Studies Viola
- MUS 3620 - Performance Studies Cello
- MUS 3630 - Performance Studies Jazz Guitar/Electric Bass
- MUS 3635 - Performance Studies Double Bass
- MUS 3640 - Performance Studies Trumpet
- MUS 3650 - Performance Studies French Horn
- MUS 3660 - Performance Studies Trombone
- MUS 3670 - Performance Studies Tuba
- MUS 3680 - Performance Studies Baritone Horn
- MUS 3690 - Performance Studies Harp
- MUS 3700 - Performance Studies Percussion
- MUS 3710 - Composition-Popular Music
- MUS 3720 - Composition-Classical Music
- MUS 3730 - Composition-Jazz

Performance Studies, 5000-level

Goals: To develop individual musicianship and performance skills; recommended for music majors and all students preparing recital programs.

Content: 12 one-hour lessons, one meeting per week through the semester.

Prerequisites: A minimum of one semester of 3000-level Performance Studies. Prior training in music and advanced performing ability; participation in a departmental ensemble. Audition required.

Note: Music Majors in piano, guitar, percussion, composition are required to participate in a large or small ensemble.

Lesson Fee: \$50 per credit, waived for declared majors

Students may not register for private lessons at other ACTC schools.

Credits: 4

- MUS 5500 - Performance Studies Voice
- MUS 5510 - Performance Studies Piano
- MUS 5520 - Performance Studies Organ
- MUS 5530 - Performance Studies Harpsichord
- MUS 5540 - Performance Studies Guitar
- MUS 5550 - Performance Studies Flute
- MUS 5560 - Performance Studies Oboe
- MUS 5570 - Performance Studies Clarinet
- MUS 5580 - Performance Studies Saxophone
- MUS 5590 - Performance Studies Bassoon
- MUS 5600 - Performance Studies Violin
- MUS 5610 - Performance Studies Viola
- MUS 5620 - Performance Studies Cello
- MUS 5630 - Performance Studies Jazz Guitar/Electric Bass
- MUS 5635 - Performance Studies Double Bass
- MUS 5640 - Performance Studies Trumpet
- MUS 5650 - Performance Studies French Horn
- MUS 5660 - Performance Studies Trombone
- MUS 5670 - Performance Studies Tuba
- MUS 5680 - Performance Studies Baritone Horn
- MUS 5690 - Performance Studies Harp
- MUS 5700 - Performance Studies Percussion
- MUS 5710 - Composition-Popular Music
- MUS 5720 - Composition-Classical Music
- MUS 5730 - Composition-Jazz

MUS 5930 - Senior Musical Arts Project

Goals: Develop a paper, recordings, or another project appropriate to the discipline of music.

Content: Student works closely with instructor to develop, research, or otherwise prepare an interdisciplinary capstone project. Project proposal must be submitted to the music faculty by end of junior year. (In preparation for the senior project, students complete three courses in a related field, which should be outlined in the project proposal. For example, a student interested in aesthetics may take three philosophy courses and complete a senior project on the

aesthetics of music, or a student may take three mathematics courses and produce a senior project on the relationship between music and mathematics.)

Taught: Every semester

Prerequisites: Senior music major with musical arts concentration.

Credits: 4

MUS 5940 - Senior Recital

Goals: To prepare and perform a recital representative of a student's best work.

Content: Together, teacher and student select appropriate repertoire to be performed.

Taught: Every semester

Prerequisite: Senior music major or consent of instructor.

Note: A writing-intensive component may be elected with permission from the faculty advisor.

Credits: 4

NPFT 1010 - Introduction to the Nonprofit Sector

Goals: This course includes an introduction to management and leadership in the nonprofit sector, investigating the critical history of nonprofits as part of our American heritage.

Content: Concepts of public good, volunteerism, service and servant leadership, organizational structure, mission and management philosophy, the role of philanthropy, reasons for giving, ethics, and organizational development. The course will combine a review of texts, student research, expert guest lecturers, workshops and student presentations.

Credits: 4

NPFT 3010 - Nonprofit Governance, Finance, and Law

Goals: This course includes an introduction to nonprofit governance and policy structures, with emphasis on the legal, regulatory, and financial aspects of managing nonprofit organizations.

Content: Board development, governance, strategic planning, policy making, federal and state reporting requirements, crucial aspects of financial structures and audits, regulatory compliance, and record keeping. Students will work on the processes for creating, growing, and sustaining a nonprofit organization.

Prerequisite: NPFT 1010 (grade of C- or better) or consent of the instructor

Credits: 4

NPFT 3020 - Development and Fundraising

Goals: This course will expose students to the wide variety of development and fundraising activities that are critical for nonprofit growth and sustainability.

Content: Starting with why individuals, foundations and businesses give to philanthropy, course will include types of gifts, fundraising programs, special events, and grant writing. Special emphases on program goals, outcomes assessment, marketing, and public relations will provide an underlying theme throughout the course. Students will work on actual projects with community partners throughout the course.
Prerequisite: NPFT 1010 (grade of C- or better), or consent of the instructor
Credits: 4

NPFT 5860 - Nonprofit Seminar and Internship

Goals: This capstone course is intended to be the cumulative application of all the competencies developed in the program.
Content: Internship selection and placement will be finalized during the prior semester to ensure an engaging and productive work experience emphasizing hands-on learning with weekly attendance in a capstone classroom seminar. The internship incorporates education and professional development into a service-learning work experience, including the production of a senior portfolio.
Prerequisite: NPFT 1010 (grade of C- or better), or consent of the instructor
Credits: 4

PHED 1010 - Beginning Strength Training

Goals: To acquire enough mastery of the skills, strategies, and rules to be able to enjoy participation for a lifetime. To understand the principles of physical fitness.
Indoor activity.
This course is not repeatable for credit.
Credits: 0.5

PHED 1100 - Intermediate Strength Training

Goals: To acquire enough mastery of the skills, strategies, and rules to be able to enjoy participation for a lifetime. To understand the principles of physical fitness.
Indoor activity.
This course is not repeatable for credit.
Credits: 0.5

PHED 1570 - Lifetime Sports

Goals: To prepare prospective teachers to teach the activities listed below.
Content: Teaching methods, knowledge, the execution of skills, analysis of movement, officiating, knowledge of rules, and strategies of the activities listed.
Activities: Tennis, badminton, racquetball, handball, bowling, recreational games, downhill and cross-country skiing, outdoor education, golf, and archery.
Credits: 4

PHED 1800 - Fitness

Goals: To acquire enough mastery of the skills, strategies, and rules to be able to enjoy participation for a lifetime. To understand the principles of physical fitness.
Outdoor Activity
This course is not repeatable for credit.
Credits: 0.5

Coaching and Theory Courses

Goals: To prepare prospective coaches to effectively coach sports teams in public and private schools as well as community youth leagues.
Content: The various strategies, techniques, theories of team play; methods of organization, sports psychology, biomechanics, exercise physiology, and training theory specific to swimming.
Credits: 2

- PHED 3700 - Coaching and Theory of Swimming
- PHED 3710 - Coaching and Theory of Football
- PHED 3720 - Coaching and Theory of Basketball
- PHED 3730 - Coaching and Theory of Track and Field
- PHED 3740 - Coaching and Theory of Baseball/Fastpitch
- PHED 3750 - Coaching and Theory of Hockey
- PHED 3780 - Coaching and Theory of Volleyball
- PHED 3790 - Coaching and Theory of Soccer
- PHED 3800 - Coaching and Theory of Strength and Conditioning

PHIL 1120 - General Philosophy

Content: Selected important philosophic works; the main problems of philosophy, the natures of reality, valuing, and knowing.
Credits: 4

PHIL 1130 - Logic

Content: Formal and informal reasoning, deductive and inductive; traditional and symbolic techniques for distinguishing correct from incorrect reasoning.
Credits: 4

PHIL 1140 - Ethics

Content: The concepts of goodness, right, duty, obligation, responsibility, and freedom; important moral theories of the Western tradition; contemporary moral issues in light of these theories.
Credits: 4

PHIL 1145 - Development Ethics in Jamaica

Goals: This course examines ethical issues related to "third world" or "developing" nations.
Content: After a week of study on campus, we will travel to rural Jamaica on an Operation Classroom work team, living

and working with locals on a school construction project. Students will study and directly experience ethical issues connected to development, combining service learning with academic reflection. We return to campus for the last week of the term to complete independent research, writing, and presentation of work.

Taught: Alternate years, winter term.

Credits: 4

PHIL 1250 - Introduction to African Philosophy

Content: Definitions of African Philosophy, discussions of ethnophilosophy, problems of language in Africa, and connections with African American and feminist philosophies.

Taught: Annually.

Credits: 4

PHIL 3100 - Introduction to African-American Studies

Crosslisted: Also listed as ENG 3100.

Goals: To develop an understanding of several key issues in African American Studies emphasizing close textual reading and analysis. Additionally, students participate in academic service learning to synthesize textual and experimental learning.

Content: The course materials will focus on critical readings about construction of race as a concept; intersections of race, class and gender; afrocentrism; pan-africanism; diasporic connections; nationalism; religious dimension; literary theory and popular culture.

Prerequisite: Sophomore standing or consent of instructor.

Credits: 4 credits

PHIL 3150 - Ancient Greek Philosophy

Content: The main problems of philosophy, the natures of reality, valuing and knowing, through the works of important ancient Greek philosophers, especially the pre-Socratics, Plato, and Aristotle.

Credits: 4

PHIL 3160 - Modern Philosophy: Descartes to Kant

Content: The main problems of philosophy, the natures of reality, valuing, and knowing, through the works of influential European philosophers of the 17th and 18th centuries, especially Descartes, Hobbes, Hume, and Kant.

Credits: 4

PHIL 3190 - Nineteenth-Century Philosophy

Content: The main problems of philosophy, the natures of reality, valuing, and knowing, through the works of influential 19th century thinkers including Hegel, Nietzsche, Marx, and selected Pragmatists.

Taught: Alternate years.

Credits: 4

PHIL 3200 - Twentieth-Century Philosophy

Content: The main problems of philosophy, the natures of reality, valuing, and knowing, through the study of analytic philosophy, phenomenology, and deconstruction.

Taught: Alternate years.

Credits: 4

PHIL 3250 - Feminist Philosophy

Content: An examination of major areas of contemporary feminist philosophy, with special attention to the interaction between multiple forms of oppression, including racism, homophobia, and class-based oppression.

Taught: Alternate years.

Prerequisites: WSTD 1010 or PHIL 1120 or PHIL 1140.

Credits: 4

PHIL 3320 - Philosophy of Religion

Content: The nature and problems of religious thought including the existence of God, religious experience, faith, and reason.

Taught: Alternate years.

Credits: 4

PHIL 3330 - Social, Political, and Legal Philosophy

Content: Philosophical issues in social, political, and legal systems, including problems such as the justification of power and the development of the concept of human rights.

Credits: 4

PHIL 3340 - Philosophy of Art

Content: Aesthetic issues from the point of view of the creator as well as appreciator, including questions of artistic truth, meaning, beauty, value, criticism, and judgment applied to the range of art media.

Credits: 4

PHIL 3360 - Philosophy of Nonviolence

Goals: To understand the concepts, principles, and practices of nonviolence.

Content: Focus on understanding the concepts, principles, and practices of nonviolence emphasizing theorists and practitioners of nonviolent direct action including Mohandas Gandhi, Martin Luther King, Jr., Tich Nhat Hanh, and others, attentive to the contexts in which they emerge. Course participants will pursue independent research on nonviolence for presentation to the seminar.

Credits: 4

PHIL 3370 - Philosophy of Science

Content: Philosophical issues of the sciences, including questions of scientific progress and rationality, our understanding of the physical world, and values and objectivity in the sciences.

Taught: Alternate years.

Credits: 4

PHIL 3380 - Concepts of Nature

Content: An examination of some of the different ways people have thought about the natural world and our relationship to it. Some of the views discussed will be: nature as a mechanism, a divine creation, and a source of values. We will consider multicultural, feminist, and postmodern challenges to the modern scientific conception of nature.

Taught: Alternate years.

Credits: 4

PHIL 5550 - Theories of Knowledge

Content: Questions of epistemology, including the nature of knowledge, the role of experience in knowing, the role of reason, the limits of knowledge, and the concept of meaning.

Prerequisite: PHIL 3160 or consent of the instructor.

Credits: 4

PHIL 5560 - Metaphysics

Content: The concepts of being, reality, existence, essence, nature, causation, and reason together with their implications for knowledge and values.

Prerequisites: PHIL 3150 and PHIL 5550, or, PHIL 3160 and PHIL 5550, or consent of the instructor.

Credits: 4

PHIL 5750 - Senior Seminar

Content: Advanced value theory, broadly conceived, studied through selected classical and contemporary sources.

Prerequisite: Philosophy major or minor, or consent of the instructor.

Credits: 4

PHYS 1110 - Energy, Environment, and the Economy

Goals: To investigate, for nonscience students, availability of energy in the world and environmental concerns and the supply-demand aspects of our nation's economy.

Content: Conceptual understanding and measurement of relevant physical quantities; the impact of fossil fuels, nuclear power, solar and other "alternative" forms of energy on air and water quality; the economy and lifestyles; the fragile world energy balance; research in energy and various models for extrapolation into the future.

Prerequisite: High school algebra.

Credits: 4

PHYS 1110 - LAB: Energy, Environment, and the Economy

This lab must be taken concurrently with the PHYS 1110 lecture.

Credits: The lab itself has zero credit value.

PHYS 1120 - Astronomy

Goals: To engage students in scientific observation and thought through astronomy, and to share a sense of wonder about the Universe.

Content: Ancient astronomy, planetary motion, telescope optics, image processing, stars and their lifecycle, galaxies, large-scale structure, cosmology.

Taught: Annually

Prerequisite: High school algebra

Credits: 4

PHYS 1120 - LAB: Astronomy

This lab must be taken concurrently with the PHYS 1120 lecture.

Credits: The lab itself has zero credit value.

PHYS 1130 - Physics for Poets

Goals: To introduce non-science students to the conceptual development and philosophical implications of some aspects of physics, allow students to gain insights into the practice of science, and give students experience with problem solving

Content: Topics will vary with instructor but may include motion, energy, solids, heat, sound, light, electricity, magnetism, atoms, the nucleus, particles, and astronomy.

The laboratory will include a variety of experiences designed to allow students to practice investigative science and gain hands-on experience.

Prerequisite: High school algebra.

Credits: 4

PHYS 1130 - LAB: Physics for Poets

This lab must be taken concurrently with the PHYS 1130 lecture.

Credits: The lab itself has zero credit value.

PHYS 1140 - Physics of Sound and Music

Goals: To introduce non-science majors to the physical description of the oscillations and resonances involved in the production and detection of sound and music.

Content: Wave phenomena including propagation and interference, frequency analysis of sounds including music, theory of instruments, biological generation, and detection of sound.

Prerequisite: High school algebra.

Credits: 4

PHYS 1140 - LAB: Physics of Sound and Music

This lab must be taken concurrently with the PHYS 1140 lecture.

Credits: The lab itself has zero credit value.

PHYS 1150 - Algebra-based Physics I

Goals: To introduce science and non-science majors to the basic concepts of physics to develop skills in formulating and solving both theoretical and experimental physics problems in the areas of kinematics, fluids, and thermodynamics.

Content: The topics of kinematics, Newton's second law, energy, and momentum will be covered both in translation and rotation, simple harmonic motion and elasticity, fluids, and thermodynamics.

Taught: Fall term.

Prerequisites: High school algebra and elementary trigonometry.

Credits: 4

PHYS 1150 - LAB: Algebra-based Physics I

This lab must be taken concurrently with the PHYS 1150 lecture.

Credits: The lab itself has zero credit value.

PHYS 1160 - Algebra-based Physics II

Goals: To introduce students to the basic concepts of physics to develop skills in formulating and solving both theoretical and experimental physics problems in the areas of optics, circuits, sound, and electricity and magnetism.

Content: Topics include waves and sound, electricity and magnetism, DC and AC circuits, and optics.

Taught: Spring term.

Prerequisites: PHYS 1150.

Credits: 4

PHYS 1160 - LAB: Algebra-based Physics II

This lab must be taken concurrently with the PHYS 1160 lecture.

Credits: The lab itself has zero credit value.

PHYS 1230 - General Physics I

Goals: To introduce students to the basic concept of physics, and to develop skill in formulating and problem solving both theoretical and experimental physics problems in the areas of kinematics using calculus.

Content: The topics of kinematics, Newton's second law, energy, and momentum will be covered both in translation and rotation, fluids, and thermodynamics.

Taught: Spring term

Prerequisite: MATH 1170.

Credits: 4

PHYS 1230 - LAB: General Physics I

This lab must be taken concurrently with the PHYS 1230 lecture.

Credits: The lab itself has zero credit value.

PHYS 1240 - General Physics II

Goals: To introduce students to the basic concepts of physics to develop skills in formulating and solving both theoretical and experimental physics problems in the areas of optics, circuits, waves, sounds, and electricity and magnetism using calculus.

Content: Topics include sound, electricity and magnetism, DC and AC circuits, and optics.

Taught: Fall term.

Prerequisites: PHYS 1150 or PHYS 1230, and MATH 1180.

Credits: 4

PHYS 1240 - LAB: General Physics II

This lab must be taken concurrently with the PHYS 1240 lecture.

Credits: The lab itself has zero credit value.

PHYS 1610 - Engineering Mechanics: Statics

Goals: To understand the static behavior of mechanical systems.

Content: Vector analysis, forces, free-body diagrams, equilibrium, rigid body constraints, stress and strain, friction, moments of inertia, and moments of forces.

Taught: Alternate years, Winter term.

Prerequisites: PHYS 1150 or PHYS 1230, and MATH 1180, or consent of instructor.

Credits: 4

PHYS 1620 - Engineering Mechanics: Dynamics

Goals: To understand the dynamic behavior of mechanical systems.

Content: Vector analysis, rectilinear and curvilinear kinematics, forces, free-body diagrams, friction, work and energy, impulse and momentum, general and relative motion, analysis of rigid bodies, moments of inertia, moments of forces, and vibrations.

Taught: Alternate years Winter term.

Prerequisites: PHYS 1150 or PHYS 1230, and MATH 1180, or consent of instructor.

Credits: 4

PHYS 3520 - Physical Optics

Goals: To introduce students to the study of optical phenomena interpreted in terms of a wave theory of light.

Content: Mathematical description of waves and how these waves interact with matter. Theories are developed to explain interference, diffraction, and polarization and are used as a basis for measurements in the laboratory.

Taught: Alternate years, Spring.

Prerequisite: PHYS 1240 and MATH 3320.

Credits: 4

PHYS 3520 - LAB: Physical Optics

Content: The lab includes measurements of wave propagation, dispersion, diffraction, interference, and polarization.

This lab must be taken concurrently with the PHYS 3520 lecture.

Credits: The lab itself has zero credit value.

PHYS 3540 - Modern Physics

Goals: To understand the developments of the late 19th and early 20th century in the field of physics.

Content: Relativity, the discovery of the electron, the quantum nature of light, the wave nature of particles, the Heisenberg uncertainty principle, and Schrodinger wave mechanics.

Taught: Spring.

Prerequisites: PHYS 1240 and MATH 3320 or co-registration.

Credits: 4

PHYS 3540 - LAB: Modern Physics

Content: The lab will introduce the computer control of instrumentation, computer data acquisition, and computer modeling of data. Students will perform several famous Modern Physics experiments and will do a semester-long project to plan a modernized version of one of the seminal experiments in Modern Physics.

This lab must be taken concurrently with the PHYS 3540 lecture.

Credits: The lab itself has zero credit value.

PHYS 3600 - Mathematical and Computational Methods in Physics and Engineering

Goals: To introduce and demonstrate the use of mathematical and computational methods important in physics and engineering.

Content: Physics and engineering applications associated with ordinary and partial differential equations, Laplace transforms, linear algebra, vector calculus, Fourier analysis, complex analysis, numeric analysis, probability & statistics.

Taught: Fall term

Prerequisites: MATH 3720 and PHYS 3540 or consent of instructor

Credits: 4

PHYS 3600 - LAB: Mathematical and Computational Methods in Physics and Engineering

This lab must be taken concurrently with the PHYS 3600 lecture.

Credits: The lab itself has zero credit value.

PHYS 3700 - Condensed Matter Physics

Goals: To introduce students to the concepts of condensed matter physics.

Content: The study of crystalline and noncrystalline structures; the free electron gas; Fermi surfaces; energy bands;

semiconductors; superconductors; magnetism; dielectrics; surfaces and nanostructures.

Taught: Fall term, every other year.

Prerequisite: PHYS 3540 or consent of instructor.

Credits: 4

PHYS 3750 - Thermodynamics and Statistical Mechanics

Goals: To develop a fundamental understanding of the principles of thermodynamics and statistical mechanics that allows a variety of applications to be surveyed in the latter part of the course.

Content: The laws of thermodynamics and other conventional thermodynamic concepts such as heat, work, entropy, enthalpy, heat capacity, and the equipartition theorem are introduced. Adiabatic, isothermal, isobaric, and nonequilibrium processes are studied. Topics include the equations of state for non-ideal gases, Maxwell's relations, kinetic theory, the Maxwell distribution of molecular velocities, magnetic materials, blackbody radiation, phase transitions, phase diagrams, ensembles, and the partition function. Classical and quantum statistics are studied; the Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac distributions are examined.

Taught: Alternate years, fall term.

Prerequisites: PHYS 1240 or PHYS 1160 and MATH 3720 or co-registration.

Credits: 4

PHYS 3800 - Electronics and Instrumentation

Goals: To explore the fundamentals of analog and digital electronics, to explore their applications in designs used in interfacing and controlling experiments, and to gain experience with common and advanced instrumentation.

Content: Design, predict behavior, and build analog and digital control circuits. Circuit elements will include passive and active components including transistors; op-amps; digital logic and interfacial components such as temperature, ADC, and DAC circuits. Emphasis will be placed on building practical circuits needed to control and measure experimental parameters.

Taught: Alternate years, Spring term.

Prerequisite: PHYS 1240 and MATH 3720 or co-registration.

Credits: 4

PHYS 3800 - LAB: Electronics and Instrumentation

This lab must be taken concurrently with the PHYS 3800 lecture.

Credits: The lab itself has zero credit value.

PHYS 5900 - Junior Seminar

Goals: To introduce current topics in physics and related fields. To develop communications skills including writing, reading, listening, and speaking.

Content: Reviews of current research by junior and senior physics majors, guest lecturers, and department staff.
Research site visits.

Taught: As a full year sequence.

Prerequisite: PHYS 1240 or co-registration.

Credits: 0.5 credit per term

PHYS 5910 - Senior Seminar

Goals: To introduce current topics in physics and related fields. To develop communications skills including writing, reading, listening, and speaking.

Content: Reviews of current research by junior and senior physics majors, guest lecturers, and department staff.
Research site visits.

Taught: As a full year sequence.

Prerequisite: PHYS 1240 or co-registration.

Credits: 0.5 credit per term

PHYS 5920 - Research Project-Based Advanced Laboratory

Goals: To allow students to expand and build upon their current laboratory skill set and problem solving ability by planning and executing a year-long research project.

Content: This full year course is the culmination of all the laboratory experiences within the physics curriculum. Students will choose a project, based on the search of the research literature. These projects will require many skills including equipment interfacing, computer programming, basic and advanced circuits, optics, using the machine shop to build experimental apparatuses, planning, ordering, and scheduling tasks, preparing a professional report and presentation, and more. Successful completion of this course should fulfill the Individual Ability in Learning (Q) requirement of the Hamline Plan.

Taught: Annually.

Prerequisite: PHYS 3540

Credits: 2 credits fall term, 2 credits spring term

PHYS 5930 - Theoretical Mechanics

Goals: To develop an understanding of Newtonian mechanics with emphasis on conservation principles.

Content: Particle dynamics in one and three dimensions with special attention to the central force problem, simple harmonic oscillator, kinematics, dynamics of a system of particles, wave motion, generalized coordinates, and the Lagrangian formulation of mechanics. This course acts as an elective of the Computational Science minor because students model dynamical systems using computer software like Mathematica.

Taught: Annually.

Prerequisite: PHYS 1240 and MATH 3720.

Credits: 4

PHYS 5940 - Advanced Electromagnetic Field Theory

Goals: To develop an understanding of the classical theory of electric and magnetic fields.

Content: Vector analysis, discrete and continuous charge distributions, Gauss's law, boundary conditions, the equations of Laplace and Poisson, dielectric and magnetic materials, Maxwell's equations.

Taught: Alternate years.

Prerequisites: PHYS 1240 and MATH 3720.

Credits: 4

PHYS 5950 - Advanced Quantum Mechanics

Goals: To introduce quantum mechanics as the language of modern physics with application to some typical problems.

Content: Schrodinger's equation, probability and statistics, wave functions, operators, square well and other potentials, harmonic oscillator, scattering, function spaces, uncertainty principle, hydrogen atom, angular momentum, perturbation theory, and extensive use of advanced mathematical symbolism.

Taught: Alternate years.

Prerequisite: PHYS 3540 and MATH 3720.

Credits: 4

PHYS 5955 - Advanced Topics in Physics

Goals: To explore advanced topics in physics that go beyond our other 5000-level courses and to expose students to new developments in physics.

Content: Topics may include solid-state physics, electromagnetic cavities including optical fibers, scattering theory (electromagnetic and quantum), analysis of modern instrumentation, vacuum technology, nuclear physics, high energy physics, elementary particles, astrophysics, general relativity.

Taught: Alternate years.

Prerequisite: PHYS 3540 and MATH 3720, at least one course higher than PHYS 5920.

Credits: 4

PHYS 5960 - Senior Experimental Lab

Goals: To provide an opportunity to explore independent research and to develop the skills needed to complete a research program.

Content: Each student will develop an independent research project and timeline for completion, conduct a review of pertinent literature, construct needed equipment, write an extensive paper summarizing theory and results of the project, and present a formal presentation on the results as part of Senior Seminar.

Taught: Periodically, as interest and resources allow.

Prerequisites: PHYS 3540 and faculty consent.

Credits: 4

PSCI 1110 - American Government and Politics

Goals: To introduce students to analytical concepts and frameworks for the study of American national government and politics, especially as it relates to the question of who gets what, how, and why.

Content: The constitutional framework; political values and public opinion; the role of parties, interest groups and mass media; Congress, the judiciary and the presidency; the policy process in selected substantive areas such as defense, foreign policy, economic management, and civil liberties.

Taught: Annually.

Credits: 4

PSCI 1430 - World Politics

Goals: To introduce students to major issues in contemporary international relations and varying approaches to studying them, including the role of the state and non-state actors and sources of conflict and cooperation in world politics.

Content: Realism (and its variants), Liberalism (and its variants), Marxism, Social Constructivism, Postmodernism, and Feminism; the nature of war and peace, the challenges the "global south" faces, environmental politics, cultural differences and their impact on global politics, state and human security, nationalism and ethnic conflict, international organizations, and transnational crime, including terrorism.

Taught: Annually

Credits: 4

PSCI 1500 - Parties and Elections in the United States

Goals: To achieve a sound understanding of the impact and role of political parties, voting, and elections upon American government and public policy.

Content: The role of parties and elections in democratic politics, party organization and leadership, campaigns, money and the media, voters and nonvoters, party change, and political realignment.

Taught: Alternate years.

Prerequisite: PSCI 1110 required or by Instructor Permission.

Credits: 4

PSCI 3010 - Presidential Politics

Goals: To achieve a clear understanding of the role of the presidency in the U.S. Political system. To explore how the presidency has been affected by political, social, and economic developments.

Content: Presidential selection process; White House decision making; the role of presidential personality and style; White House relations with Congress, the bureaucracy, political parties, and pressure groups; role of the presidency in selected policy areas such as national security and economic policy; the impact of public opinion and mass media on the presidency; the problem of presidential power--too much or too little?

Taught: Alternate years.

Prerequisite: PSCI 1110 required or by Instructor Permission.

Credits: 4

PSCI 3020 - International Political Economy

Goals: To explore the theory and practice of international political economy and the intersection of political science and economics. To understand the evolution of the international monetary system and international trade policy. To consider the interaction of political authority and markets in the global economy.

Content: Neo-classical growth models; dependency theory; politics of growth and industrialization; comparative perspective of industrialization (e.g., developmental successes and failures); international regimes; financial crises and structural adjustments.

Taught: Alternate years.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3030 - American Foreign Policy

Goals: To achieve a sound understanding of the pattern and process of American foreign policy in a changing world and to comprehend the analytic perspectives that enhance such understanding.

Content: Patterns of post-1945 foreign policy during the Cold War; social, economic, and ideological sources of U.S. policy; the foreign policy-making process; challenges to American policy in a post-Cold War world; the politics of globalization and counter-terrorism.

Taught: Alternate years.

Prerequisite: PSCI 1110 required or by Instructor Permission.

Credits: 4

PSCI 3100 - American Constitutional Law

Crosslisted: Also listed as LGST 3100

Goals: To study the role of the courts in the development of the American Constitution. To introduce students to the "rule of law" concept in Anglo American judicial history.

Content: Study of the United States Constitution and U.S. Supreme Court cases on separation of powers, federalism, civil liberties and civil rights.

Taught: Annually

Note: This course is applicable to majors and minors in Political Science and Legal Studies, regardless of whether it is taken as PSCI 3100 or LGST 3100. This course will not count as breadth of study for either major. Students may not earn credit for both PSCI 3100 and LGST 3100.

Credits: 4

PSCI 3430 - Gender Politics

Goals: To examine approaches to gender issues, the role of women in politics, and the impact of feminism from a comparative perspective. To consider development and importance of women's organizations worldwide.

Content: Current research and theories about women and politics. Examination of the role of women in politics in various regions of the world such as Latin America, Asia, Middle East, Africa, and Europe as well as the United States.

Taught: Annually.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3540 - Political Research and Analysis

Goals: To introduce fundamental concepts of politics and contemporary methods of political analysis and research.

Content: The development of political science as a discipline, various theories and approaches in political analysis, methods of research in political science, and practical experience in empirical analysis.

Taught: Annually.

Credits: 4

PSCI 3550 - International Organizations

Crosslisted: Also listed as GLOB 3550

Goals: To explore the foundations of international governmental and nongovernmental organizations; through case studies and policy issues, to discuss the United Nations and its affiliated groups; to examine how transitional actors have tried to deal with critical world issues such as hunger, environmental dilemmas, human rights, and the disparities of development.

Content: This course includes a discussion of theories of integration, histories of international organizations, and analyses of approaches to policy and politics in the international arena. Students will also have the opportunity to do informal interviews or mentoring projects with local international organizations.

Taught: Alternate years.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3570 - Ethnic and Civil Conflict

To examine the competing theories of the causes of civil and ethnic conflicts, to analyze processes that may lead to major human suffering when these conflicts turn into horrific wars, and to discuss possible ways to alleviate short- and long-term human suffering these conflicts create.

Content: Emphasis on theoretical works and selected case studies from the contemporary world. students are expected (1) to define, understand, and use concepts and terms relevant to the study of civil and ethnic conflict; (2) to analyze and think critically about the effects of different forces on these types of conflicts with the appreciation that societies have different cultural, economic, sociological, and historical settings; (3) to suggest ways to reduce, if not totally eliminate, the negative influence of these conflicts on individuals and collectivities, and finally (4) to have a working knowledge of challenges that these types of

conflicts hold for the future of world politics. Extensive case studies will be drawn from various parts of the world.

Taught: Annually

Credits: 4

PSCI 3580 - Politics and Society in the Middle East

Goals: To examine politics and society in the contemporary Middle East, within the context of the region's historical, cultural, and economic environment. To understand both the major themes and issues in Middle Eastern politics and the diverse experiences of individual countries (e.g., Egypt, Israel, Syria, Saudi Arabia).

Content: Islam, Arab, and Ottoman Empire, the colonial legacy and nationalist movements, Arab nationalism, the Arab-Israeli-Palestinian conflict, the Iranian Revolution, the impact of ethnic and religious diversity on politics, the "Arab Spring" and the like. By the end of the semester, students are expected to be able to think critically about the Middle East, to rigorously examine the ties between the past and the present in analyzing today's problems in the region; to have a good grasp of the diversity present in the Middle East; and to have a working knowledge of opportunities and challenges that this region holds for the peace and security in the world.

Taught: Annually

Credits: 4

PSCI 3590 - Government and Politics of Western Europe and the European Union

Goals: To examine and analyze the political systems of Great Britain, France, Germany, Spain, Italy, Scandinavia, and other European states with reference to their social and economic contexts. To understand the development of the European Union and the desire for European integration.

Content: Post-World War II development of European political systems, state institutions, political culture, and policy processes; established parties and alternative social movements; relations with the United States and Eastern Europe; development of EU and implications of European integration.

Taught: Annually.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3600 - Model United Nations

Crosslisted: Also listed as GLOB 3650

Goals: Through this course, students will develop research, critical thinking, and team-building skills; students will also gain perspectives on the role of international organizations and nongovernmental organizations in the international community. Students will gain an appreciation for diverse cultures, modes of negotiation and conflict resolution, and the professional nature of diplomacy.

Content: This course is designed to help prepare students to serve as delegates to the National Model United Nations

Conference in New York. Students will also have the opportunity to visit other international agencies and NGOs (non-governmental organizations) in New York as well as volunteer with organizations in the Twin Cities. Topics discussed in the class will include: the nature of diplomacy, how nations interact, the operations of the United Nations system, the role of NGOs, and case studies of individual countries which the team will represent at the simulation in New York. Students will engage in mock debates and discussions of UN policy initiatives. By discussing the work of the UN and NGOs, students will also gain an understanding of a variety of transnational issues such as arms control, security, HIV/AIDS, environmental protection, child labor, etc.

Taught: Annually.

Prerequisites: permission of instructor; acceptance to Model UN team; PSCI 1430 is recommended.

Credits: 4

PSCI 3610 - Politics and Society in the Asian Pacific Region

Goals: To explore politics, government, and society in Asian Pacific region. To understand both the major themes and issues in Asian Pacific politics and the diverse experiences of individual countries.

Content: National legacy, state or nation building, constitution and government structure; policy processes and the relationship between government and society; the impact of external and regional forces on individual countries.

Taught: Annually.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3630 - American Political Thought

Goals: To understand the nature and significance of the main currents of American political thought from the 17th century to the present; to explore the historically developing relationships between liberalism, capitalism, democracy, conservatism, and radicalism in the United States.

Content: Careful study of mainstream thinkers and documents (Jefferson, Lincoln, the Constitution) as well as dissident voices (Frederick Douglass, Emma Goldman, the anti-Federalists). Emphasis on the social and economic context of political thought.

Taught: Alternate years.

Credits: 4

PSCI 3640 - Contemporary Political Ideologies

Goals: To examine various political ideologies from a comparative and historical perspective. To consider the manner in which ideas are transformed into action.

Content: Examination of the foundation, content, and impact of recognized ideologies such as socialism, communism, anarchism, fascism, feminism, environmentalism, and liberalism.

Taught: Annually.

Credits: 4

PSCI 3650 - Western Political Thought

Goals: To comprehend the nature and significance of the tradition of Western political thought; to develop the skills to critically analyze and evaluate contributions to the field; to explore the relevance of political theory for understanding contemporary politics and clarifying one's own political perspective.

Content: Analysis of the tradition of political discourse from Plato and Aristotle in ancient Greece to Marx and Mill in the 19th century, including such thinkers as Machiavelli, Locke, and Rousseau. Emphasis on issues related to democratic theory, economy and property, and political change.

Taught: Alternate years.

Credits: 4

PSCI 3680 - Politics and Society in Developing Areas

Goals: To examine politics in developing countries from a comparative perspective and to study existing approaches to issues of political legitimation and stability, economic development, and the relationship between politics and economics in the non-Western world.

Content: The colonial legacy and the emergence of states in the developing world, approaches to studying the non-Western state, processes of political development, the nature of political leadership and problems of political legitimation, theories of political change and economic development, and the role of developing countries in the world.

Taught: Alternate years.

Credits: 4

PSCI 3690 - Politics of Urban and Metropolitan America

Goals: To introduce analytical concepts and frameworks for the study of urban and metropolitan problems.

Content: The emergence of metropolitan American and urban political systems. Special focus on ethnic and racial politics; local political engagement; community elites; urban political economies; political problems of metropolitan areas; urban reform and planning.

Taught: Annually.

Credits: 4

PSCI 3700 - Public Policy and Public Administration

Goals: To learn how to think critically and analytically about the formulation and implementation of public policy. To acquaint students with some of the more important concepts, issues, and problems in public administration.

Content: Policy formation and analysis; causes and consequences of policy selection and design; effective leadership; challenges associated with bureaucracy, successful administration and policy implementation;

understanding and formulating research on public policy and administration.

Taught: Annually.

Credits: 4

PSCI 3710 - Political, Economic, and Social Development in China

Goals: To examine two distinctive pathways of political, social, and economic development in China (Chinese mainland and Taiwan). To explore political, economic, and social structures in the region. To consider the impact of Chinese development on the region and Sino-U.S. relations.

Content: Post World War II political history of modern China; the similarities and differences of China's and Taiwan's political, social, and economic developmental strategies; governmental, social, and economic institutions and patterns; the transformation of relations between state and society; relations with the United States.

Taught: Alternate years.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3720 - Political Violence: War, Revolution, and Terrorism

Goals: To examine the theory and practice of various types of political violence and their transforming impact on state, society, and the world. To understand what factors drive people to revolt and the relationship between power and violence. To consider the impact of the state's reaction to political violence.

Content: The causes of political violence; patterns of violent activity; issues of political symbolism, coercion, and legitimacy; state and people's strategies for dealing with political violence (e.g., revolution and counterrevolution; terrorism and counterterrorism); analyses of global terrorism in the 21st century.

Taught: Alternate years.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3730 - Democracy, Authoritarianism, and Democratization

Goals: To explore the theory and practice of democracy, authoritarianism, and democratization in various regions and states of the world.

Content: Definitions of democracy; types of authoritarian states and power structures; theory or models of regime change; process of democratic transformation (e.g., liberalization, transition, and consolidation); patterns of regime change (top down or bottom up), "economics first" or "politics first" or dual transition theories.

Taught: Alternate years.

Prerequisite: PSCI 1430 is recommended.

Credits: 4

PSCI 3740 - Political Psychology

Goals: To explore the intersection of political science and social psychology and analyze how citizens think and feel about politics. To examine thought processes of political leaders, probing to discover why leaders make decisions that they do. To learn about research areas associated with political psychology and ways scholars go about testing their theories about political behavior.

Content: Personality and politics, right and left wing authoritarianism, altruism, stereotyping and prejudice, political culture, social capital and community involvement, influence of mass media, groupthink, interplay of public opinion and elite decision making, methodologies associated with political psychology (experimentation, opinion polls, in-depth interviews, and focus groups).

Taught: Alternate years.

Prerequisite: PSCI 1110 is recommended.

Credits: 4

PSCI 5000 - Senior Seminar

Goals: To enable majors to synthesize prior learning in Political Science through a senior capstone experience. To provide opportunities for intensive research and discussion of select topics in contemporary U.S. and global politics.

Content: Topics will rotate annually. Each year the seminar will focus on a specific, substantive area of politics and policy, at international, national, or local levels. Examples of topics include economic globalization, the impact of welfare reform, and advanced topics in democratic theory and social justice. Students will be expected to engage in and present the results of a major research project that integrates the central learning goals of the discipline with the substantive focus of the seminar.

Taught: Annually

Prerequisites: PSCI 3540 and senior status, or instructor permission

Credits: 4

PSCI 5100 - Senior Practicum

Goals: To enable senior majors to explore connections between theory and practice in Political Science by combining academic analysis and learning with field experience.

Content: Seniors taking this course will be expected to obtain a semester internship in the Twin Cities (120 hours of work) with either a governmental agency, non-profit, international NGO, political organization, or business. The course will be the "academic" portion of the internship. Each week students will be reading current articles in political science and discussing them in light of their internships. Students will engage in applied research on a topic related to their internship and be responsible for completing a substantial research paper by the end of the semester. The writing process will include creating a research proposal, outline, and drafts of the project. Other assignments will include a

weekly internship journal and oral presentation of the research project at the end of the semester. Upon successful completion, the * in the course title will include the actual Internship title on the official transcript of the student.

Taught: Annually, in spring term.

Prerequisites: PSCI 3540 and permission of instructor.

Credits: 4

PSY 1330 - General Psychology

Goals: To introduce the content and methods of the science of psychology. To provide a foundation for the further study of psychology.

Content: Physiological processes, perception, learning and memory, cognition, emotion, development and personality, social processes, psychopathology and psychotherapy.

Taught: Every semester

Credits: 4

PSY 1340 - Statistics for the Behavioral Sciences

Goals: To introduce the logic of statistical inference and apply that logic to statistical methods used in psychological research.

Content: Statistical tests covered include the z test, the t test, the correlation test, the chi-square test, and analysis of variance.

Taught: Every semester

Prerequisite: PSY 1330 is recommended.

Note: Credit will not be given for both PSY 1340 and QMBE 1310 or PSY 1340 and MATH 1200. Students who have taken CJFS 1140 should consult with the Chair of the department before enrolling in PSY 1340.

Credits: 4

PSY 1440 - Lifespan Development

Goals: To explore developmental theories and methods used to describe and examine typical physical, cognitive, and socio-emotional development across the lifespan.

Content: Research methods, physical development (brain, motor, puberty, menopause, health and wellness), cognitive development (language, intelligence, school performance, memory processes), and socio-emotional development (sense of self, personality, well-being, relationships, threats to well-being).

Taught: Every semester

Prerequisite: PSY 1330 or equivalent (grade of C- or better)

Credits: 4

PSY 1460 - Theories of Personality

Goals: To provide an overview of major theories of personality; to evaluate theories of personality from a variety of psychological perspectives; to understand the application of theoretical principles to practical problems.

Content: Major theories of personality are presented, with an emphasis on analyses of personality organization,

development, assessment, and change. Major theories include psychoanalysis, trait models, humanistic models, and behavioral and cognitive approaches.

Taught: Annually

Prerequisite: PSY 1330 or equivalent (grade of C- or better)

Credits: 4

PSY 1480 - Abnormal Psychology

Goals: To introduce students to current perspectives on major forms of psychopathology; classification, assessment and diagnosis; and etiology, course, and treatment of disorders.

Content: Various forms of psychopathology (e.g., anxiety disorders, mood disorders, schizophrenia, personality disorders) understood within a bio-psycho-social framework; etiology, course, and treatment of disorders; issues in classification, assessment, and diagnosis; contemporary issues in mental health and mental illness.

Taught: Every semester

Prerequisite: PSY 1330 or equivalent (grade of C- or better)

Credits: 4

PSY 3350 - Research Methods in Psychology

Goals: To understand the logic of experimental methodology, basic principles of experimental design, data analyses, limitations of experiments, and ethical considerations related to psychology research.

Content: Correlational and experimental research methods, threats to good experimental design, and interpretation of results. Students conduct statistical analysis and write up their own experiment.

Taught: Every semester

Prerequisites: PSY 1330 and a course in statistics (PSY 1340, CJFS 1140, MATH 1200, or QMBE 1310) with grades of C- or better

Credits: 4

PSY 3360 - Writing in Psychology

Goals: To develop and strengthen discipline-specific writing skills.

Content: Writing in Psychology introduces students to a variety of types of psychology-related writing, including summary papers, synthesis papers, and literature reviews. Students will have multiple opportunities to develop and strengthen their writing skills, provide feedback to peers, and receive feedback from peers and faculty.

Taught: Annually

Prerequisites: Declared psychology major, PSY 1330 (or equivalent), and two additional psychology courses (NOT including PSY 1340) with grades of C- or better (or permission of the instructor)

Credits: 4

PSY 3410 - Theories of Learning

Goals: To define learning and to show how the learning process is studied; to place learning theory in historical

perspective, showing how answers to ancient questions about ideas gradually evolved into what we now refer to as modern learning theory.

Content: The learning theories of Thorndike, Skinner, Hull, Pavlov, Guthrie, Estes, the Gestalt theorists, Piaget, Tolman, Bandura, and Hebb; the nature of learning, approaches to the study of learning, and early notions about learning; the application of learning principles to the solution of practical problems.

Taught: Annually

Prerequisites: PSY 1330 or equivalent (grade of C- or better); PSY 1340 and PSY 3350 are recommended

Credits: 4

PSY 3420 - Cognitive Neuroscience

Goals: To introduce the important insights and theoretical principles of modern cognitive science.

Content: Students study evolution of human cognition, consciousness, perception and attention, memory, knowledge representation, language, reasoning, problem solving, cognitive development, learning, and individual differences in cognition.

Taught: Annually

Prerequisite: PSY 1330 or equivalent (grade of C- or better)

Credits: 4

PSY 3440 - Advanced Child Development

Goals: To provide a broad overview of theories of child development and research in child psychology.

Content: Research methods with children, genetics, learning and cognitive development, moral development, socialization processes, family dynamics, and child-rearing.

Taught: Annually

Prerequisite: PSY 1330 or equivalent (grade of C- or better); PSY 1440 is recommended

Credits: 4

PSY 3510 - Psychology of Emotion

Goals: To examine contemporary psychological theories of emotion; to explore connections among the domains of emotion, cognition, and behavior; to understand the role of emotion in everyday life.

Content: Emotion in evolutionary and cultural context; genetic and physiological factors; emotion and cognition; emotions in personality and social relationships; individual differences in emotions; and emotions in psychopathology.

Taught: Annually

Prerequisite: PSY 1330 or equivalent (grade of C- or better)

Credits: 4

PSY 3570 - Biopsychology

Goals: To provide an understanding of the role of the brain in emotion, sleep, learning and memory, language, sexual behavior, aggression, and psychopathology.

Content: Neural mechanisms, subcortical function, basic neuroendocrinology, drug effects and brain functions, models of pathology in schizophrenia and depression, and hemispheric specialization and language.

Taught: Annually

Prerequisites: PSY 1330 or equivalent (grade of C- or better); PSY 3350 is strongly recommended

Credits: 4

PSY 3580 - Sensation and Perception

Goals: To introduce students to sensory systems (with primary emphasis on vision), how the functions of sensory mechanisms contribute to the structure of perceptual events, and how culture and learning shape the interpretative process we call perception.

Content: Psychophysics, signal detection theory, vision, hearing, the skin senses (including pain), attention, and states of consciousness.

Taught: Annually

Prerequisites: PSY 1330 (or equivalent) and PSY 3570 (grades of C- or better), or permission of the instructor

Credits: 4

PSY 3640 - Theories of Psychotherapy

Goals: To provide an overview of the major approaches to psychotherapy; to compare and contrast models of psychotherapy; to become familiar with contemporary trends in psychotherapy.

Content: Major theories of psychotherapy are presented, including psychoanalysis and psychodynamic models, humanistic models, behavioral models, cognitive models, multicultural approaches, Eastern-influenced approaches, and eclectic and integrative models.

Taught: Annually

Prerequisite: PSY 1480 with a grade of C- or better

Credits: 4

PSY 3670 - Theories of Motivation

Goals: To introduce students to major theories of motivation with concentration on approaches most relevant to human behavior.

Content: Psychodynamic theory, physiological mechanisms, achievement theory, attribution theory, organizational behavior, and aggression and altruism.

Taught: Annually

Prerequisites: PSY 1330 (grade of C- or better); PSY 3350 is recommended

Credits: 4

PSY 3700 - Industrial/Organizational Psychology

Goals: To familiarize the students with psychological theories and research applied to human behavior in organizational settings and to use this knowledge to solve problems in organizational behavior.

Content: Learning theories applied to organizational settings; motivation, perception, and communication in work settings; the nature and impact of work related attitudes (especially job satisfaction); individual differences and organizational behavior; the causes, impact, and management of stress; group dynamics at work; organizational culture, leadership, and decision making.

Prerequisite: PSY 1330 (grade of C- or better)

Credits: 4

PSY 3740 - Disorders of Childhood

Goals: To introduce students to current understandings of psychological disorders of infancy, childhood, and adolescence; key issues in child classification and diagnosis; contemporary issues in developmental psychopathology.

Content: Descriptions of psychological disorders from infancy through adolescence; genetic, physiological, psychological, family and sociocultural factors that influence the development, course and treatment of disorders, with an emphasis on understanding of child psychopathology in the context of typical development; contemporary issues in developmental psychopathology.

Taught: Annually

Prerequisites: PSY 1330 (or equivalent) and one of the following: PSY 1440, PSY 1480 or PSY 3440 (grades of C- or better in all courses)

Credits: 4

PSY 3800 - Social Psychology

Goals: To introduce the prominent social psychological theories and research relating to social behavior.

Content: A survey of classic and contemporary theories in impression formation, person perception, prejudice and stereotyping, interpersonal attraction and relationships, altruism and aggression, conformity and persuasion, and group processes.

Taught: Annually

Prerequisite: PSY 1330 or equivalent with a grade of C- or better

Credits: 4

PSY 3820 - Cross-Cultural Psychology

Goals: To examine research and theory on cross-cultural psychology from international and domestic perspectives. To gain an overview of how cross-cultural issues relate to and affect different areas of psychology and to present the methods psychologists use to study culture and its effects on behavior and emotion (from social psychology to clinical psychology).

Content: Topics include (but are not limited to) cultural universality and specificity, ethnic identity, cultural variations in human development, personality, emotion, cognition, social interactions and psychopathology, psychology of immigration and acculturation, mindfulness-

based approaches, and psychological assessment and treatment of culturally diverse populations.

Prerequisites: PSY 1330 and PSY 1340 or equivalents (grades of C- or better)

Credits: 4

PSY 3840 - Addictive Disorders

Goals: To examine research and theory on the causes and consequences of alcoholism, binge drinking, drug addictions, and behavioral addictions.

Content: A wide variety of perspectives on normal-range substance use, college drinking, alcoholism, nicotine dependence, drug addictions, and behavioral addictions will be covered including: behavioral genetics, neuroscience and psychophysiological research, developmental issues, environmental factors, co-occurring disorders, clinical psychological treatment and prevention, psychiatry, and epidemiological, social, emotional, attitudinal, and experimental studies. Students will engage in data analysis, write-up and interpretation of real data sets on addiction, and read and critique research articles on various topics.

Prerequisites: PSY 1330 and one course in Statistics (PSY 1340, CJFS 1140, MATH 1200, or QMBE 1310) with grades of C- or better

Credits: 4

PSY 3850 - Psychopathy and Antisocial Personality Disorder

Goals: To describe and critically analyze research, theory and practice in the field of psychopathic and antisocial personalities and forensic psychology. Students will learn key descriptive, causal and treatment approaches to the field.

Content: We will discuss psychopathic and antisocial personalities and distinctions between these and other psychiatric disorders. Using case histories, we will examine different expressions of the psychopathic personality, including criminal and successful types, as well as the serial murderer. Other topics will include: diagnostic approaches, developmental issues, treatment, forensic psychology practice, gender differences, personality profiling; causal factors in criminal and psychopathic behavior; research on emotion, and thought processes in psychopaths.

Taught: Annually in summer

Prerequisites: PSY 1330 (or equivalent) and PSY 1480 (grades of C- or better), or instructor permission

Credits: 4

PSY 5010 - Honors Seminar in Psychology

Goals: To complete an individual honors project in psychology.

Content: Honors projects are typically empirical studies, but may also involve advanced literature reviews.

Prerequisites: PSY 1340, PSY 3350, and admission by application and approval of departmental sponsor and psychology faculty.

Credits: 6

PSY 5420 - Belief in the Brain

Goals: To introduce students to the concept of human belief and doubt in philosophy, psychology, and cognitive neuroscience. The course primarily aims to explore the differences of two theoretical belief models with emphasis on how each one of these belief models may shape our society. This includes issues dealing with the right of free speech, mass communications, advertising, propaganda, lie detection, and religious beliefs. Students will cultivate their own perspectives with cumulative essays and in class discussion, as well as improving lecture skills with multiple in class presentations.

Content: Wide-ranging perspectives on human belief: philosophical, cognitive science, and cognitive neuroscience; lesion method in cognitive neuroscience, prefrontal cortex functionality, cognitive science of religion, authoritarianism, dual-processing, cognitive dissonance.

Taught: Annually

Prerequisite: PSY 3420 or PSY 3570 (grades of C- or better), or instructor permission

Credits: 4

PSY 5440 - Childhood and Society

Goals: To examine controversial issues in child development which have substantial implications for public and social policy. The topics examined will link development, education, and cultural practices from infancy through adolescence.

Content: Specific topics vary by semester and will include topics of both historical relevance and contemporary debates within child development (e.g., adolescent risk behavior, child care, children and the law, developmental theory and educational practices, family diversity, media exposure, parenting styles, public health, poverty, and technology use).

Taught: Annually

Prerequisites: PSY 3440 (grade of C- or better) and senior standing (with psychology major), or permission of the instructor

Credits: 4

PSY 5570 - Neuroendocrinology

Goals: To explore, in depth, the activating and organizing effects of hormones and the effects of environmental and psychological events as they affect endocrine function.

Content: Stress effects on immune function, memory, and reproductive fitness. Endocrine function in sexual development, gender identity, and sexual behavior. Other areas include aggression, love, and mating.

Prerequisite: Senior standing (with psychology major) or permission of the instructor.

Credits: 4

PSY 5600 - Aggression

Goals: An in-depth analysis of aggressive behavior as addressed by social psychological research.

Content: Variable from year to year.

Prerequisites: Senior standing (with psychology major) or permission of the instructor

Credits: 4

PSY 5700 - Clinical Psychology

Goals: To introduce students to the field of clinical psychology as a science and a profession; to review theoretical models of psychopathology and intervention; to explore professional issues related to mental health services; to integrate, evaluate, and reflect on previous coursework within the framework of an advanced seminar in psychology.

Content: Contemporary approaches to clinical psychology; theoretical and practical issues in clinical education, ethics, and intervention; individual topics selected by students.

Taught: Annually

Prerequisites: PSY 3640 (grade of C- or better) and senior standing (with psychology major), or permission of the instructor

Credits: 4

PSY 5720 - Applied Health Psychology

Goals: This seminar is designed to examine the interrelationships between behavior, emotion, health and psychological disorders and dysfunction. Students will be introduced to the assessment, treatment and causes of physical and psychological health issues.

Content: The role of the practicing psychologist in a medical setting will be discussed and how psychologists function in the context of health care settings will be a major focus of the course (ranging from ethics to assessment and treatment) and we will examine how they operate with other medical professionals. Emphasis will be on clinical intervention and assessment of physical and mental disorders in context.

Prerequisites: PSY 1480 (grade of C- or better) and senior standing (with psychology major), or permission of the instructor

Credits: 4

PSY 5730 - Behavior Genetics

Goals: To examine the methods, basic principles, and research of individual differences, while exploring the impact of genetic and environmental influences on behaviors of psychological relevance.

Content: Research methods, basic genetic principles, gene and environmental processes, cognitive disabilities, general and specific cognitive abilities, adult psychopathology, developmental psychopathology, personality and personality disorders, typical behavioral development, and health psychology and aging.

Prerequisite: Senior standing (with psychology major) or permission of the instructor
Credits: 4

QMBE 1310 - Statistics

Goals: To acquaint students with major parametric and nonparametric statistical techniques.
Content: Data organization, simple probability, and sampling distributions; estimation and hypothesis testing; regression and correlation; time series; selected non parametric tests.
Prerequisites: None, though a basic understanding of algebra is expected. Credit will not be given for both QMBE 1310 and PSY 1340 or MATH 1200
Credits: 4

QMBE 1320 - Introduction to Business Analytics

Goals: To introduce frequently used data analysis techniques, to develop the quantitative skills necessary to use them, and to apply the methods in business decision-making settings.
Content: The course will cover decision-making frameworks as well as data capture, analysis and presentation techniques. Topics such as budgeting, forecasting and regression will be explored using Excel and other relevant software or analytical tools.
Prerequisites: QMBE 1310 or PSY 1340 or MATH 1200 (grades of C- or better).
Credits: 4

QMBE 3710 - Operations Management

Goals: To explain the basic concepts, principles and techniques for managing manufacturing and service operations. The course will utilize both quantitative and qualitative methods when exploring techniques that improve the operations of different environments. This course is targeted to provide general management students with an appreciation of the function of operational thinking.
Content: Operational management functions, operations, strategy, product design, service operations design, managing quality, planning and scheduling projects, workforce management, materials management, inventory planning and scheduling, and forecasting.
Prerequisite: QMBE 1320 and MGMT 3100 (grades of C- or better). Junior or senior standing, or consent of instructor.
Credits: 4

QMBE 3720 - Decision Science

Goals: To introduce students to decision-making analysis, stressing problem formulation, analytical methods for solution, and use of computer models.
Content: Decision theory, linear programming, simulation, and implementation.
Prerequisites: QMBE 1320 and MGMT 3100 (grades of C- or better) or consent of the instructor.
Credits: 4

QMBE 3730 - Advanced Business Analytics

Goals: To enable students to utilize advanced mathematical models and data management techniques.
Content: This course covers data management techniques utilizing database applications such as MS Access along with advanced data manipulation and spreadsheet techniques such as table lookup functions, linked spreadsheets, macros, and Visual Basic.
Taught: Yearly, spring semester
Prerequisite: QMBE 1320 (grade of C- or better)
Credits: 4

QMBE 3740 - Data Mining

Goals: Introduce students to data mining techniques and best practices.
Content: This course includes classification, prediction, data reduction, and data visualization. Advanced regression, network and cluster analysis.
Taught: Alternate Years
Prerequisites: QMBE 1320 (grade of C- or better)
Credits: 4

REL 1100 - Introduction to Religion

Goals: To examine general theories about religion and various dimensions of religion (e.g. the sacred, scriptures, ethics, practices, mysticism, etc.), to reflect on the role of religion in public life, and to appreciate various ways of being religious and non-religious.
Content: Topics discussed include approaches to the interpretation of scriptures, religious ethics, different kinds of "religious lives," the challenges of religious diversity, religion and violence, atheism, religious trends in America and the world, and the relationship of religion to politics, law, science, and feminism. A number of the world's religious traditions and thinkers will be introduced through texts, case studies, films and field trips.
Taught: Every semester
Credits: 4

REL 1140 - Women and Religion

Goals: To introduce religious expressions of women and their role in religion; to analyze the roles religion plays in women's lives; to explore ways women influence as well as rethink religious traditions and shape them.
Content: Cross-cultural examination of how religions function in women's lives and the leadership roles women take in religion; analysis of gender structures in religion; and examination of such concepts as spirituality, community, authority, relationship, and images of the divine. The specific religious traditions and the cultural contexts of the women may vary in different years.
Taught: Alternate years
Credits: 4

REL 1200 - Survey of the Old Testament/ Hebrew Bible

Goals: To survey the Jewish Scriptures/Christian Old Testament in historical context, exploring both the material's literary characteristics—such as narrative plot and theme, poetic form and rhetoric—and its key theological emphases—such as the concept of God and the mission and destiny of Israel.

Content: Samples from the three main portions of the Old Testament: Pentateuch, Prophets, and Writings (Psalms and wisdom literature).

Taught: Annually

Credits: 4

REL 1220 - The New Testament

Goals: To develop an acquaintance with the literary and theological characteristics of the New Testament, and to understand the process of its formation. A student should develop skill as an interpreter (exegete) of the biblical text.

Content: The literature of the New Testament, using the methods of historical-critical analysis, answering questions such as: By whom written? To whom written? When written? Meaning to authors and to the Christian community to whom they were/are addressed?

Taught: Annually

Credits: 4

REL 1300 - Introduction to Theology

Goals: To introduce the student to theological language and argument through critical examination of historical and contemporary thinkers as well as schools of thought.

Content: Close reading and discussion of theological texts that explore central Christian claims about the nature of God, Jesus Christ, creation, humanity, the church, sin, suffering, evil, and salvation. Special attention will be given to the role of gender as well as to Christianity relationship to other religious traditions.

Taught: Annually

Credits: 4

REL 1400 - Christian Ethics

Goals: To provoke reflection on, and understanding of, the basis, nature, content, and consequences of Christian moral thinking. To appreciate the variety of viewpoints of moral issues within the Christian tradition and their relation to the larger society.

Content: Close reading and discussion of various approaches to Christian ethics followed by analysis of selected moral issues such as war, euthanasia, abortion, homosexuality, and racism.

Taught: Annually

Credits: 4

REL 1500 - Introduction to Judaism

Goals: To introduce students to the Jewish world by putting them in touch with authentic Jewish texts, experiences, values, and insights, and by enabling them to compare Judaism with their own ways of living and believing.

Content: Analysis of the uniqueness and tragedy of Jewish history, issues of Jewish identity, the role of Jewish law in the life of the community.

Taught: Annually

Credits: 4

REL 1510 - Jewish Ethics

Goals: To study the nature of the good in Judaism; to analyze such contemporary issues as war and peace, individual responsibility, sexuality, women's issues, and related topics.

Content: Historical context and authority, including Bible, Talmud, Responsa, and Codes; classic and modern religious literature; contemporary Jewish bioethics texts.

Taught: Alternate years

Credits: 4

REL 1520 - The World of Jesus

Goals: To understand the social, cultural, and political realities that comprised the world of Jesus, and to see him as an embodiment of that milieu.

Content: Movements in contemporary Judaism—Sadducees, Pharisees, Zealots, Essenes—as well as institutions like Temple, Torah, and Synagogue will be studied, along with the opportunities they presented to Jesus. Special emphasis will be placed on Jewish responses to Greek and Roman imperialism and culture, and to the ways in which these responses shaped Jesus' environment.

Credits: 4

REL 1560 - Islam

Goals: To gain an understanding of the history, texts, beliefs and practices of Islam. To explore the ways the commitment to the tradition is understood and expressed in the lives of Muslims from a variety of places and backgrounds. To gain an appreciation for both diversity and unity within the tradition.

Content: Close reading of portions of the Qur'an and other sacred writings, such as the Hadith; survey of the history of Islam; exploration of Islamic philosophy, law, art and literature. Special topics will include an examination of Sufism, the mystical tradition, and an analysis of contemporary issues relating to Islamic politics, the tension between tradition and modernization, and the growth of Islam in America.

Teaching Methods: Lecture, small and large group discussion, videos; possible field trips and guest lectures.

Taught: Annually

Credits: 4

REL 1620 - Religions of East Asia

Goals: To provide an introduction to the religious traditions of China, Korea and Japan. To examine continuity and diversity within each tradition and among the various traditions. To explore how religious themes and values are expressed in texts, rituals, symbols, art and architecture.

Content: We will look at both the indigenous religions of each culture (e.g. Chinese Daoism, Korean Shamanism, Japanese Shinto) as well as those traditions that all share in common (Confucianism and Buddhism). We will discuss beliefs and practices, major thinkers and texts, historical contexts, institutional developments and popular religious movements. Topics include Chinese cosmology, Zen meditation, Korean Christianity, religion and Communism, and Confucian capitalism in contemporary East Asia.

Taught: Annually

Credits: 4

REL 1630 - Religions of South Asia

Goals: To provide an introduction the religious traditions of South Asia (India, Pakistan, Bangladesh). To examine continuity and diversity within each tradition and among the various traditions. To explore how religious themes and values are expressed in texts, rituals, symbols, music, art and architecture.

Content: We will look at the Brahmanical, Jain, Buddhist, Hindu, Islamic and Sikh traditions. Topics will include yoga, renunciation, Hindu deities, caste and social structure, and women in Hinduism. The last part of the course will explore trends in the 19th and 20th century, during which the religious traditions of South Asia were connected with nationalism and the birth of modern India, Pakistan and Bangladesh. We will conclude by looking at the role that Hindu traditions, teachers and practices have played in modern America.

Taught: Annually

Credits: 4

REL 3150 - Religion and Literature

Goals: To show both how imaginative secular literature can be religious—e.g., communicate a religious vision, help shape one's character and inform one's deepest self-understanding, legitimate or de-legitimate social forms and practices—and how the study of such literature has become a key element in the field of religious studies.

Content: The specific topic and genre will vary from year to year. The focus may be plays, novels, short stories, poetry, or auto/biography. It may range in scope from an exhaustive study of a single literary work (e.g., Melville's *Moby Dick*), to the works of a single author (e.g., Margaret Atwood, Jon Hassler, Flannery O'Connor), to a comparison of different authors (e.g., C.S. Lewis and G.K. Chesterton, Dorothy Sayers and P. D. James). Or it may be thematically arranged:

e.g., *Jewish Stories of Wonder*; *The Poetry of Prayer* (Donne, Herbert, Hopkins, Dickinson, Berryman); *Love and the Novel: A Critique of Power*; *How We Die*; *Modern Apocalyptic Literature*; or *Living With the Land: An Ecology of Fiction*.

Taught: Annually

Credits: 4

REL 3160 - Spiritual Memoir

Goals: Spiritual memoir and autobiography are literary forms that go back thousands of years. In these testaments the writer links encounters with mystery, experiences of the sacred, and details unique to his or her individual life, with universal structures that cross time and traditions. Whether they are stories about trauma and healing, encounters with the holy, the sacred in the ordinary, or unsurpassed joy, the process of writing one's spiritual journey can in itself be a transformational spiritual practice. Stories serve as containers that hold spiritual experiences when language about them is inadequate.

Content: In this class we look at literary texts that have been intentionally crafted as spiritual memoir. Readings may include: *Among the Believers*, An Islamic Journey, V.S. Naipaul; *The Spiral Staircase*, Karen Armstrong; *The Winged Seed*, Li Young Lee; *Salvation on Sand Mountain*, Dennis Covington; *Proverbs of Ashes*, Brock and Parker; *Standing alone*, Asma Nomani; *Faith*, Sharon Salzberg; *The Jew in the Lotus*, Roger Kamenetz; *Seven Story Mountain*, Thomas Merton; *The Way to Rainy Mountain*, Scott Momaday; *Honey From the Stone*, Chet Raymo.

Credits: 4

REL 3170 - Poetry and the Sacred

Goals: Since the beginning of time, poets have given voice to the longing for, and discovery of the sacred. Poetry has been called "the song of our species," and "the supreme result of language," "fires for the cold" and "ropes let down to the lost." From the biblical poets' mysticism and prophetic impulse to the Sufi, Rumi's ghazals, Dante's map of heaven and hell, the visions of Kashmiri poet Lalla, Hindu mystic Mirabai, to Jewish poet Yehuda Amichai, American Buddhist poets Gary Snyder and Jane Hirschfield, to Joy Harjo, Rainier Maria Rilke and others, poets stir us at the level of our essential self. Poetry preserves mysteries and helps us experience kinds of truth not available to the reasoning mind. Poets can leave us feeling we are in the presence of God.

Content: Texts for this course will include: *Holy Fire*, ed., Halpern; *In Mad Love and War*, Joy Harjo; *The Poems of Nazim Hikmet*; *Leaves of Grass*, Walt Whitman, *Final Harvest*, Emily Dickinson, *Mary Oliver's Poetry Handbook*, *Burning Bright*, ed., Hampl, and others.

Credits: 4

REL 3200 - Biblical Narrative: Old Testament/Hebrew Bible

Goals: To study in depth some portion of the narrative literature of the Jewish Scriptures/Christian Old Testament, with special attention to the issue of relevance posed by the antiquity of the texts, and to the issues posed by a sacred "literature-in-translation." Emphasis will be given to developing close reading skills, a working acquaintance with critical methods of biblical studies, and intercultural competence.

Content: Course content may shift from year to year. It may focus on a large block of narrative, the Deuteronomic History (Joshua-2 Kings), for example, or on an individual book (e.g., Genesis), or on a piece of a book (e.g., the Jacob cycle). Alternatively, the course may adopt a thematic approach: e.g., "family, friend, and stranger," "holy war and peace," or yet other topics.

Taught: Alternate years

Prerequisites: REL 1200 or REL 1220, or permission of the instructor

Credits: 4

REL 3210 - Biblical Poetry: Old Testament/Hebrew Bible

Goals: To study in depth a selection of the poetic literature of Jewish Scripture/Christian Old Testament with particular attention to poetic form, function, and transformative power. Students will learn to recognize interpretations embedded in translations, will develop close-reading skills, and will be challenged to deepen their vision of the world and open the self to transformation.

Content: Course content may vary from a sampling of psalms, prophetic oracles, and proverbial wisdom to a closer focus on a single book (e.g., Isaiah), or on a comparison-contrast of two books (e.g., Proverbs and Ecclesiastes), or on some specific theme (e.g., protest and praise).

Taught: Alternate years

Prerequisite: REL 1200 or REL 1220 or permission of the instructor

Credits: 4

REL 3250 - Death and Dying

Goals: This course will examine death and dying from a range of perspectives and multiple methodologies.

Content: The texts we will read include a) philosophical and theological reflections on the meanings(s) of death, how we should live in the face of death, and the possibility and desirability of immortality; b) psychological analyses of death anxiety, grief, and mourning; c) anthropological and sociological examinations of death rituals, suicide, and institutions surrounding death; d) accounts from Confucian, Daoist, Buddhist, and Christian traditions about the nature of death and the after-life; and e) debates on controversial issues including euthanasia, war and pacifism, capital punishment and factory farming. We will also read literary treatments (short stories, poems, excerpts from novels) on

many of these issues, and view films that focus on these topics.

Taught: Alternate years

Prerequisites: Any religion course

Credits: 4

REL 3300 - Reformers and Revolutionaries in the Ancient and Medieval World

Goals: To explore the development primarily of Christian thought and practice in its relationship to culture from the first century B.C.E. through the medieval period and up to the Protestant Reformation.

Content: Persecution of the early church, formation of doctrine, Augustine and Constantinian Christianity, Monasticism, Mysticism and the medieval church, Martin Luther and the Reformation.

Taught: Alternate years

Credits: 4

REL 3310 - Reformers and Revolutionaries in the Modern World

Goals: To understand the persons and movements primarily within Christianity that contribute to an ever-evolving and reforming understanding of faith, faith-based organizations, and social change movements, especially as they relate to issues of race and gender, and to think broadly about the concepts of reform and revolution within a religious context.

Content: Protestant and Catholic Reformations, Enlightenment thinkers' influence on religious thinkers and institutions, Christianity's contribution to the creation of the concept of race, women and religion in the United States, and understanding the global development of Christianity in the twentieth century and beyond.

Taught: Alternate years

Credits: 4

REL 3330 - Religious Thinkers Who Changed the World

Goals: Students will engage in critical textual study of the work of a particular religious figure whose work has had significant influence in the world. Students will also study secondary literature that evaluates and builds on the thinker's contribution to religious thought.

Content: This course will focus on the life and thought of a major religious thinker like sixteenth century reformer Martin Luther or twentieth century philosopher and activist Abraham Joshua Heschel. Class work will also involve individual research on an aspect of the thinker's life and thought that will culminate in a final research paper.

Taught: Alternate years

Prerequisite: Any 1000-level religion course

Credits: 4

REL 3350 - Contemporary African-American Religious Thought

Goals: To understand how race in America—particularly the Black/White relationship—impacts religious thought in America; to encourage greater sensitivity to the ways in which religion is inextricably bound to culture, to politics, to economics, to American society as a whole.

Content: Pre-World War II to the present—from the non-violent, prophetic voices of Howard Thurman and Martin Luther King, Jr., through the turbulent late 1960s with Malcolm X and the rise of Black Power—the influence of the protest movements on the creation of Black Theology and subsequently, of womanist theology; and the more recent critiques of capitalism by Cornel West and others.

Taught: Annually

Credits: 4

REL 3370 - Prophets and Mystics

Goals: If we are to be equal to our times, we need both the disquieting wisdom of prophets, those truth tellers who rage against unspeakable inequities, and the hopeful reminder of the mystics, that underneath the broken surface of life there is a unity, and a hidden wholeness. Some mystics are also prophets, and some prophets mystics.

Content: In this course we will draw from a wide range of contemporary prophets, including: poets, writers, film makers, photographers, musicians as well as the ancient biblical prophets, Jeremiah, Isaiah and Jonah. Readings will include: *The Open Spaces of Democracy*, (Terry Tempest Williams) a biography of St. Francis of Assisi and Hildegard of Bingen; selections from Abraham Joshua Heschel's *The Prophets*, Wendell Berry, Arundhati Roy and selected poems.

Credits: 4

REL 3390 - Christianity in an Age of Religious Diversity

Goals: this course will investigate recent attempts by Christian scholars and practitioners to address how to think about, interact and live with people of other traditions. Students will leave the course with a critical understanding of the promise and the challenge of working from within a religious tradition to forge avenues of understanding and build relationships across traditions.

Content: In an age of increasing religious diversity at the local, national, and international levels, it is imperative that religious traditions reflect on the following questions: How are we to think about the nature and meaning of religious diversity? What is the significance of my neighbor's faith for mine? What does a commitment to my home tradition mean for how my community should relate to other religious communities that are now part of the fabric of life in our cities and neighborhoods? Taught in a seminar style, this course will explore these questions and more.

Credits: 4

REL 3400 - Contemporary Issues in Christian Ethics

Goals: To achieve a greater appreciation of the major approaches and sources utilized by contemporary Christian ethicists, and to apply that knowledge to in-depth research into one current ethical dilemma.

Content: The influence of scripture, philosophy, social, and natural science on the shape of Christian ethics in relationship to specific ethical issues such as sexuality, health care, politics, environment, economics.

Taught: Alternate years

Credits: 4

REL 3430 - Feminist/Womanist Theologies

Goals: To explore the traditional theological claims in light of feminist and womanist critiques and reformulations.

Content: Close reading and discussion of a variety of feminist and womanist theological works, especially focused on how gender, race, and class have affected religious language and imagery regarding God, Christ, power, sin, love, and redemption.

Taught: Alternate years

Prerequisite: REL 1330 or REL 1400 or instructor permission

Credits: 4

REL 3570 - Religion, Culture, and the State

Crosslisted: Also listed as ANTH 3570

Goals: To introduce students to the sociopolitical and intellectual issues posed by the intersection of claims on and by people in the name of "religion," "culture," and "the state." To investigate the contested relationship between modern nation-states and religions. To prepare sensitive and informed global citizens ready to apply their understandings to address issues of the day.

Content: Theoretical and methodological discussion, followed by case studies presented by guest experts and by students.

Taught: Alternate years

Prerequisite: ANTH 1160 or REL 1100 or GLOB 1910

Credits: 4

REL 3630 - Seminar in Buddhism

Goals: To engage in an in-depth study of the Buddhist tradition, focusing on its origin in India, its development in Southeast Asia, East Asia, and Tibet, and the spread of Buddhism to America. We will look at both continuity and diversity within Buddhism, examining the different forms the tradition takes in various cultures and at the threads that run through all of them.

Content: We will examine various facets of Buddhism—e.g. meditation, ritual, ethics, devotion—and different types of Buddhist lives—e.g. Monastic and lay, contemplative and activist. We will read both primary texts (e.g. Sutras) and modern secondary literature, and will examine Buddhist thought and practice at the "elite" level as well as the popular level. A number of sub-themes and questions will run through the course: How has each culture been shaped

by Buddhism, and how has Buddhism been shaped by the various cultures? What has been the interaction of Buddhism with other aspects of culture, and with the sociopolitical sphere, in each country? Special topics include women in Buddhism, conceptions of Nirvana, the ethics of Karma, Buddhist-Christian Dialogue, and Buddhism in contemporary America.

Taught: Alternate years

Recommended: Previous religion course

Credits: 4

REL 3900 - Colloquium I

Goals: This course brings together student majors and faculty members for the presentation and discussion of scholarly work in religion and examines the concept of vocation in a way that helps students reflect on their lives after college and on the process of finding meaningful work and discerning a calling.

Content: Scholarly work by students, faculty members and visiting scholars; texts that explore the concept of vocation; and guest speakers and panels discussing issues related to work, careers, calling and elements that constitute a meaningful life.

Taught: Annually

Required of majors: Two semesters of the junior and/or senior year, although more would be permitted. Only religion majors and minors are eligible to enroll in this course.

Credits: 2

REL 5750 - Senior Seminar

Goals: The senior seminar will be a capstone course that combines a theories and methods of religion component with a final written project and oral presentation focused on the student's primary tradition of study.

Content: Students will be introduced to the major thinkers from multiple disciplines who influenced the development of religious studies in the West. These will include psychologists, anthropologists, sociologists, historians of religion, theologians, philosophers, those with a phenomenological approach, and post-structuralists.

Taught: Annually

Prerequisites: Two 3000-level religion courses

Note: Only religion majors and minors are eligible to enroll in this course.

Credits: 4

REL 5900 - Colloquium II

Goals: This course brings together student majors and faculty members for the presentation and discussion of scholarly work in religion and examines the concept of vocation in a way that helps students reflect on their lives after college and on the process of finding meaningful work and discerning a calling.

Content: Scholarly work by students, faculty members and visiting scholars; texts that explore the concept of vocation;

and guest speakers and panels discussing issues related to work, careers, calling and elements that constitute a meaningful life.

Taught: Annually

Required of majors: Two semesters of the junior and/or senior year, although more would be permitted. Only religion majors and minors are eligible to enroll in this course.

Credits: 2

SOC 1110 - Introduction to Sociological Thinking

Goals: To introduce students to the basic sociological concepts. To show how these concepts are used to analyze society. To increase our knowledge of how society is organized and operates. To encourage creative and critical thinking.

Content: Study of culture, socialization, social institutions such as the family, religion, and government, race, gender, social class, and social change.

Taught: Annually, fall, winter and spring terms.

Credits: 4

SOC 1120 - Social Problems

Goals: To understand why we have social problems and what we can do about them. To learn about selected social problems.

Content: Poverty, racism, sexism, urban issues, alcohol, and drug abuse. The social problems selected will vary with the instructor.

Taught: Annually.

Credits: 4

SOC 1200 - Sociological Practice

Goals: In this gateway seminar, students explore the discipline of sociology and engage in further discovery about what it means to employ a sociological perspective. The goal of this course is to help sociology majors successfully navigate their undergraduate education and prepare for advanced study in the field and/or their career. Ideally, students must take this course in their sophomore year. Transfer students will complete the course during their first year at Hamline.

Content: Students will learn about the sociology department and major including resources and responsibilities of the major, internships, careers in sociology, and the role and value of public sociology. Students will review the core concepts (e.g., the sociological imagination), theories (e.g., structural functionalism), and methods (e.g., survey research) to which they were introduced in their introductory course. Students will learn how to formulate a research question, prepare an annotated bibliography, and consider how theory and methodology inform one's work, whether theoretical or applied. In addition, students may conduct mini-methodology assignments, considering the appropriateness of method to question.

Taught: Annually
Prerequisite: SOC 1110 with a grade of C- or better
Credits: 4

SOC 3000 - Visual Sociology

Goals: To deepen our sensitivities about the way in which people's "perceptions" are constructed through the works of art, photography, and advertising. To show that images are not neutral objects, but social constructs which shape our attitude about ourselves and others.

Content: Various theoretical and historical works on photography, vision, and art by John Berger, Roland Barthes, Malek Alloula, Stuart Ewen, Susan Sontag, and others.

Taught: Annually
Prerequisite: SOC 1110
Credits: 4

SOC 3330 - Sociology of Gender

Goals: To understand and evaluate gender as a form of social structure and the consequences that structure holds for individuals and society. To understand gender as a social, rather than purely biological, construct.

Content: Covers a variety of topics including social constructionism, biological explanations of gender difference, feminist theory, and sexuality, as well as a selection of contemporary issues in gender studies.

Taught: Annually, fall term.
Prerequisite: SOC 1110 or instructor permission.
Credits: 4

SOC 3350 - Racial and Cultural Minorities

Goals: To develop a critical understanding of the different racial, ethnic, and culturally distinct groups in society. To explore a range of theories which seek to explain the nature of minority relations.

Content: Topical focus will vary with the instructor.
Taught: Annually.
Prerequisite: SOC 1110 or CJFS 1120.
Credits: 4

SOC 3370 - Families in Crisis

Goals: To learn about the different types of family forms and changing functions of the family as a basic social institution. A social problems focus.

Contents: Dating, family violence, divorce, and alternatives to marriage.
Prerequisite: SOC 1110 or WSTD 1010.
Credits: 4

SOC 3390 - Social Psychology

Goals: To provide an overview of sociological social psychology, specifically the perspective of symbolic interaction. To understand how we become social beings

and how, through our everyday interactions with one another, we create and re-create both ourselves and the social world in which we live.

Content: The course will begin with a comparison of sociological and psychological theories of social psychology. We will then turn to symbolic interaction with topics that include meaning and symbols as human creations, language and cognition, impression management, the self, and the social construction of reality.

Taught: Annually.
Prerequisite: SOC 1110.
Credits: 4

SOC 3440 - Urban Sociology

Goals: To explore the advent and growth of cities, the key organizations and concerns of everyday urban life, and the movement of people into and out of cities as well as regional shifts in the distribution of America's population.

Content: Urban and suburban domination of American life, the way in which the distribution of power has influenced the shape of cities, gentrification, the rise and fall of the "Southern Rim," the factors that make cities desirable places to live, the various political and social problems which affect all cities and the possible remedies for these problems.

Taught: Annually.
Prerequisite: SOC 1110.
Credits: 4

SOC 3530 - Political Sociology

Goals: To analyze the distribution of power in society. To explore the role of the state and the ways the key institutions of society affect the potential stability of a social system.

Content: An overview of the field of political sociology and an examination of the reigning political ideologies in American society. The variety of available political ideologies, their dissemination, acceptance or rejection, significance of work, and movements for social change.

Taught: Annually.
Prerequisite: SOC 1110.
Credits: 4

SOC 3600 - Consuming Societies

Goals: The purpose of this course is to un-naturalize consumption by teaching students to critically examine the development and the consequences of act of consumption and societies whose dominant feature is based on consumption.

Content: As Western industrial societies have come to outsource their production facilities to the developing nations, they have become societies based on consumption rather than production. This course explores the consequences of this transition by studying various texts that examine the consequences of consumption in

relationship to food, childhood, waste, environment, politics, and the dilemma of choice.

Taught: Annually

Prerequisite: SOC 1110

Credits: 4

SOC 3700 - Medicine, Morality, and Mortality

Goals: Upon successful completion of the course, students will be able to:

- 1) describe the socialization experiences of students in medical school;
- 2) identify and describe historical shifts regarding the place and practice of medicine in American society;
- 3) describe patient-doctor interactions and experiences in various clinical settings;
- 4) compare and contrast health and illness across social differences including race, socio-economic status, and gender;
- 5) articulate key ethical issues in medicine including the case of organ transplantation;
- 6) comprehend some of the complexities of medical practice, such as the role of patient compliance, surgical risk, and the anatomy of hope.

Content: This course explores the social worlds of medicine.

Topics include the process of becoming a doctor, the history of medicine, patient and doctor experiences, inequities in access to health care, organ transplantation, medical complications, and the anatomy of hope. Using literature, film, text, and guest speakers, we will examine the roles of doctors, patients, and the institution of medicine in a social exploration of health, illness, and healing.

Taught: Alternate years

Prerequisite: SOC 1110 or consent of instructor

Credits: 4

SOC 3900 - World System Theory

Goals: To examine the notion of "social change" from a multidisciplinary viewpoint. The emphasis is on theoretical and historical understanding of the macrostructures that are changed from feudalism to capitalism. The major focus is on a world system. The purpose of the course is to equip students with a much broader understanding of the way society and its institutions function in a global perspective.

Content: Works by Wallerstein, Harvey, and others.

Prerequisites: SOC 1110.

Credits: 4

SOC 3930 - Social Research Methods

Goals: To learn how to design and implement a research project. To become familiar with limits and appropriateness of various qualitative and quantitative research methods.

Content: Various types of research methods such as field research, content analysis, and survey.

Taught: Annually, spring term.

Prerequisites: SOC 1110 and SOC 1200.

Credits: 4

SOC 3950 - Critical Social Theory

Goals: To introduce students to sociological theories and to develop a scholarly sensitivity that is guided and shaped by critical concepts, ideas, and theories. Students will learn that understanding social reality is controversial and complicated.

Content: In order to teach students a sociological way of "thinking" and a critical examination of social issues, the course draws on the works of past and present sociologists.

Taught: Annually, fall term.

Prerequisites: SOC 1110 and SOC 1200.

Credits: 4

SOC 5330 - Sex and Sexuality: An American Perspective

Goals: To understand and evaluate sexuality as a form of social structure and the consequences that structure holds for individuals and society. To understand sexuality as a social, rather than purely biological, construct.

Content: The course will cover a variety of topics, providing a structural analysis of sexuality. Topics include social construction of sexuality, the history of sexuality in America, sexuality and religion, medicine, law, family, commerce, and education. This course fulfills the Hamline Plan LEAP requirement.

Taught: Annually, spring term.

Prerequisites: SOC 1110 and SOC 3330.

Credits: 4

SOC 5960 - Senior Seminar

Goals: To synthesize the diverse sociology courses taken during the course of the major. To discuss the discipline of sociology—its major issues and debates, its applications, and its occupational relevance through completion of an internship.

Content: Completion of an internship fulfills the Hamline Plan LEAP requirement.

Taught: Annually, fall and spring terms.

Prerequisites: SOC 1110, SOC 1200, SOC 3930, and SOC 3950. Instructor signature required.

Credits: 4

SOCJ 1100 - Introduction to Issues in Social Justice

Goals: This course will introduce students to major streams of social justice thought, including historical social justice movements, theoretical problems having to do with social equality, personal freedom, access to social resources, marginalization, and stigmatization, and the ways in which communities respond to these issues.

Credits: 4

SOCJ 1150 - Living on the Edge: The Asian American

Experience

Goals: To familiarize students with various Asian American communities, their origins and immigration to the United States, current conditions in Asian American communities and the challenges they face.

Content: We will learn about Asian immigrants and refugees, read Asian American literature, experience Asian American art and meet members of the local Asian American community. Among the topics we will discuss are stereotype (such as the "model minority"), the role of women in the Asian American community, racism (including the American concentration camps) and assimilation. Students examine the role of cultural heritage in how one views oneself, one's own ethnic group, and community cultures.

Prerequisites: None.

Credits: 4

SOCJ 3200 - Sexuality and the Law

Goals: To provide students with an overview of the way U.S. Federal and state law regulates sexuality and related aspects of social behavior. In particular, to examine the way that the law provides different rights, privileges, and responsibilities dependent upon one's sexual orientation. To further one's understanding of the relationship between the law, as part of the public sphere, and sexuality, which is generally perceived to be a part of the private sphere.

Content: Topical areas include, but are not limited to, the conceptualization of sexual orientation, historical trends, Constitutional law, employment, marriage, military policy, and hate crime legislation.

Prerequisites: None.

Credits: 4

SOCJ 3280 - Shelter for All

Goals: Students will learn about homelessness through the dynamic interplay between theory and practice.

Content: Through service-learning, speakers, and critical articles, students will examine the lived realities of homelessness, investigate its root causes, and identify responses and solutions. Students are required to complete 20 hours of service-learning at community agencies.

Taught: Winter term.

Prerequisites: None

Credits: 4

SOCJ 5900 - Social Justice Capstone

Goals: This course will permit major students to integrate theory, knowledge, and practical experience gained in their major using a series of readings, fieldwork experiences, and a major project.

Prerequisite: SOCJ 1100

Note: Students may request permission to substitute PHIL 5750: Senior Seminar with the permission of the faculty advisor and the course instructor.

Credits: 4

SPAN 1110 - Beginning Spanish I

Goals: To introduce students with little or no previous training in the language to the basic grammar and vocabulary necessary for a variety of common activities.

Content: Practical communication in such areas as greetings, descriptions, social and family life, food and restaurant needs, daily routines, the weather and the seasons, cultural values and leisure activities, machismo and feminism; occasional lectures concerning relevant aspects of Hispanic and Latino lives.

Taught: Annually.

Credits: 4

SPAN 1120 - Beginning Spanish II

Goals: To introduce students with little or no previous training in the language to the basic grammar and vocabulary necessary for a variety of common activities.

Content: Practical communication in such areas as greetings, descriptions, social and family life, food and restaurant needs, daily routines, the weather and the seasons, cultural values and leisure activities, machismo and feminism; occasional lectures concerning relevant aspects of Hispanic and Latino lives.

Taught: Annually.

Recommended prerequisite: SPAN 1110 or equivalent.

Credits: 4 credits

SPAN 3210 - Intermediate Spanish I

Goals: To review and strengthen fundamental concepts. To increase writing and speaking skills. To develop an active vocabulary and improve pronunciation. To foster awareness and knowledge of Hispanic cultures and civilizations.

Content: Intensive review of the indicative mood, including the perfect and progressive tenses, and an introduction to the forms and uses of the subjunctive. Vocabulary building, including idiomatic phrases and readings to illustrate grammatical usage and introduce Hispanic topics.

Classroom conversation and small group discussion.

Taught: Annually.

Recommended prerequisite: SPAN 1120 or equivalent.

Credits: 4

SPAN 3220 - Intermediate Spanish II

Goals: To develop skills in using compound tenses and the subjunctive in conversation and in writing. To increase vocabulary and fluency through extensive reading, writing, and conversation. Emphasis is given to self-correction and to paragraph-length speech.

Content: A comprehensive refinement of the use of all tenses, with emphasis on the subjunctive. Reading and discussion of

short stories and articles to build vocabulary and facilitate oral communication, and explore different aspects of Latino culture. Compositions and some translation.

Taught: Annually.

Recommended prerequisite: SPAN 3210 or equivalent.

Credits: 4

SPAN 3350 - Advanced Communication in Spanish

Goals: To refine skills and attain near-native proficiency in pronunciation and in understanding native speakers.

Content: Concentrated practice with word and sound variations used by native speakers; an analysis of idiomatic material vital to understanding normal conversation; an awareness of the importance of gestures, speech patterns, personal space and body language; and sensitivity to the interplay of language and society as well as the impact of Spanish on English.

Taught: Periodically.

Recommended prerequisite: SPAN 3220 or equivalent.

Credits: 4

SPAN 3600 - Hablemos de cine

Goals: The primary goal is to strengthen the advanced-intermediate student's listening and speaking skills in preparation for 5000-level coursework. Secondary goals include introducing students to the questions and methodologies of film criticism and developing their ability to critique films on the level of narrative and as expressions of Spanish/Latin American culture and society.

Content: Students will view 6-7 films from different parts of the Spanish-speaking world so as to improve their listening skills, particularly their ability to identify and understand regional accents and idiomatic expressions. Oral (and some written) assignments include comprehension exercises, plot summaries and analyses, research presentations, debates, role-playing and a final, in-depth critical review. Significant emphasis on vocabulary building, pronunciation and the confidence and skill needed to speak in longer, more complex sentences. The course is conducted entirely in Spanish, although some films are screened with English subtitles.

Prerequisites: SPAN 3220 or equivalent. Note: This course is not intended for native Spanish speakers.

Credits: 4

SPAN 3900 - Advanced Conversation and Composition

Goals: To teach students advanced aspects of oral and written expression in Spanish.

Content: Oral expression, expository and creative writing, syntax, stylistics and idiomatic usage. Some introduction to advanced translation into Spanish.

Taught: Annually

Prerequisite: SPAN 3350 or SPAN 3600

Credits: 4

SPAN 3910 - Spanish for the Professional

Goals: To provide the student with a working knowledge of the Spanish language and Latino culture as related to the bilingual workplace of the United States and its counterpart abroad.

Content: Work in such technical fields as health care and medicine, education and communication, law enforcement, social services and, in particular, business. Social and cultural issues are also emphasized. Pursuit of individual interests in specific career areas is encouraged. Strong emphasis is placed on relevant cultural issues.

Taught: Annually

Prerequisite: SPAN 3350 or SPAN 3600

Credits: 4

SPAN 5000 - Latin American Studies

(See listing in Latin American Studies, LSTD 5000.)

Credits: 4

SPAN 5100 - Contemporary Issues in the Americas

(See listing in Latin American Studies, LSTD 5100.)

Credits: 4

SPAN 5300 - La cultura popular en America Latina

Goals: To engage in the collaborative and interdisciplinary study of various forms of popular culture in Latin America (festivals, music, foods, television, sports, etc.). To appreciate how both the Humanities and the Social Sciences can help us understand the social, historical, political, economic, and aesthetic dimensions of cultural practices. To improve one's spoken Spanish through class discussion and formal presentations on a research topic.

Content: In the first half of the semester we learn how popular culture is defined and studied, and through readings, lectures, and class discussion we examine a range of popular Latin American cultural figures and practices. By mid-semester students will have formed working groups and chosen study topics, which they will research individually and collaboratively for several weeks. Finally, in a graduated series of oral presentations, students will teach classes on the popular culture genre they researched (e.g., comic books), and will lead us in interpreting a specific example of that genre (e.g., the Chilean comic book Condorito). Although some course readings are in English, all lectures, writing assignments, exams and presentations will be in Spanish.

Taught: Alternate years.

Recommended prerequisite: SPAN 3900 or 3910.

Credits: 4

SPAN 5400 - Borderlands

Goals: To explore and interpret cross-cultural Borderlands experiences as they relate to the Latino world, with a special focus on female iconography and folklore in Mexico and in the United States. This course is designed to help the

student understand the role that icons play in forming models of behavior for women (and men) and how those models are perpetuated, challenged, or reinterpreted in our time. The objective is to explore, in theory and in practice, communication across cultural boundaries.

Content: Three female figures, La Llorona, la Malinche, and la Virgen de Guadalupe, are well known Mexican icons that are increasingly important in the U.S. due to the continuing borderlands immigration experience. Emphasis is placed on the origin of stories related to these female figures and to the evolution of the attitudes surrounding them. These icons are redefined according to the wants and needs of successive generations and play an important role in various aspects of social, political, and religious life. Concepts related to these icons are found and discussed in such disparate female figures as Frida Kahlo, Dolores del Rio, Selena, Lilith (Adam's first wife), Medea, and Madonna. Readings include works by Rudolfo Anaya, Sandra Cisneros, and Gloria Anzaldúa. Films include the Life of Frida Kahlo, Lone Star, and the Forbidden Goddess.

Taught: Alternate years.

Recommended prerequisite: SPAN 1120 or equivalent.

Credits: 4

SPAN 5580 - Golden Age of Spanish Literature

Goals: To acquaint the student with Imperial Spain and its most productive and creative literary period. Major contributions are made to western culture: Cervantes writes the first European novel (El Quixote), Tirso writes the first Don Juan drama, Santa Teresa confronts the Catholic Church with quiet mysticism, and social protest comes from street urchins like Lazarillo de Tormes as the picaresque tradition begins. The major focus is on Golden Age plays by Lope de Vega, Tirso de Molina, and Calderon de la Barca. Films of some plays are shown.

Content: Plays from the Golden Age which deal with honor, free will, cloak-and-dagger intrigue and history; establishment of a national theatre; mystical prose and poetry; picaresque novels.

Taught: Periodically.

Recommended prerequisite: SPAN 3900 or 3910, or equivalent.

All coursework done in Spanish.

Credits: 4

SPAN 5600 - Student/Faculty Collaborative Research

Goals: To help interested students develop research skills through individualized independent study activities with one of the Spanish professors. Topics will be of mutual interest and research could potentially lead to student presentations at the yearly National Council for Undergraduate Research (NCUR) meetings. In the past several undergraduate research projects have also been given by students at professional conferences and later submitted for publication.

Content: Primary research on various topics, literary or nonliterary in nature, in collaboration with a faculty member interested in the area chosen by the student. Topics could include literature, culture, political and economic issues, films, or any other aspect of Hispanic or Latino culture.

Taught: Annually.

Recommended prerequisite: SPAN 3900 or 3910, or equivalent.

Credits: 4

SPAN 5610 - The Generation of 1898

Goals: To understand the impact of Spain's defeat by the United States in 1898, and how that defeat caused a generation of Spanish authors to re-examine traditional values and beliefs and initiate a renewal and change in Spanish letters and philosophy.

Content: A selection of texts including novels, short stories, essays, drama, and poetry by authors such as Azorin, Unamuno, Valle-Inclan, Machado, Baroja, and Ortega y Gasset. Excerpts from scholarly works on political and literary history. This intellectually vibrant literary movement led to innovation and enrichment, to a reassessment of Spain's past and present, and it molded Spain into the country that it is today.

Taught: Periodically.

Recommended prerequisite: SPAN 3900 or 3910, or equivalent.

All coursework done in Spanish.

Credits: 4

SPAN 5680 - Spanish Culture and Civilization

Goals: This course is designed to give a comprehensive view of Spain and to provide students with a global knowledge of the different and diverse expressions of contemporary Spanish culture. The goal is to introduce students to the diverse realities of Spain through its history, geography, visual arts, politics, sociology and music, as well as its people, languages, traditions and daily life and customs. Spanish Culture and Civilization also presents new and current perspectives regarding Spain and its role in the European Union.

Content: Different aspects of modern Spanish culture will be presented to the class through textbooks, contemporary movies, literary works, newspapers and magazine articles. In addition to expanding students' cultural knowledge, this course works to develop students' writing, reading, listening and speaking skills. Students are asked to form opinions on issues, defend their beliefs, and research and explore course topics independently.

Taught: Periodically

Recommended prerequisite: SPAN 3900 or 3910, or equivalent.

Note: All coursework done in Spanish.

Credits: 4

SPAN 5800 - Latin American Novel and Short Story

Goals: To expose the student to the development from realism to magical realism in Latin American novels and short stories, to analyze the importance of the historical reality of the Mexican Revolution in literature, and to examine machismo and hembrismo in the culture and how they are reflected in literature.

Content: Through literature, students move north with the troops of Pancho Villa (Los de abajo), experience life in a machodominated pueblo where the dead speak (Pedro Paramo), examine choices that made a revolutionary into a politically powerful cacique in our modern world (La muerte de Artemio Cruz), observe the gender specific "painted woman" and "suffering mother" in relation to the macho male, and understand the impact that Mexican attitudes and customs have had on the United States.

Taught: Alternate years.

Recommended prerequisite: SPAN 3900 or 3910, or equivalent.

All coursework done in Spanish.

Credits: 4

SPAN 5810 - Modern Latin American Fiction

Goals: To explore different literary movements in the 20th century such as indigenismo, regionalismo, la novela psicologica, la vanguardia, lo real maravilloso, and feminismo; to seek connections between literary aesthetics and sociopolitical forces in Latin America; to develop through practice our ability to analyze, discuss, and write about art.

Content: Primary texts: original works of Latin American fiction. Secondary texts: historical, biographical, and analytical readings. Authors vary from year to year. Course may occasionally focus on one or more themes, such as women writers, the regional novel, exile literature, or others.

Taught: Alternate years.

Recommended prerequisite: SPAN 3900 or 3910, or equivalent.

All coursework done in Spanish.

Credits: 4

THTR 1010 - Production Experience (Category I)

Goals: To engage the student in a range of production activities to develop communication abilities and technical skills required in the performing arts.

Content: Stage management, board operation, and running crew for a mainstage show.

Credits: 0.5

THTR 1120 - Studies in Dramatic Storytelling and Performance: Stage and Screens

Goals: To introduce students to the appreciation of theatre, film, and television as unique forms of dramatic art. To gain an understanding of the production process by participating in limited crew work for the Hamline University Theatre. To

develop critical skills in analysis of dramatic text and performance review.

Content: Examination of the work of each artist in the creative process (writer, actor, director, designer). Exploration of dramatic aesthetics and theory applicable to theatre, film, and television. An overview of theatre arts which includes historical survey of audience relationships to stage and screen. Intended for the general student and required of all majors and minors.

Taught: Each semester.

Credits: 4

THTR 1130 - Dance I

Goals: To demonstrate an understanding of basic modern and jazz dance techniques through proper warm-up, the performance of across-the-floor combinations, a sensibility to music and/or rhythmic structures, and proper use and alignment of the body in terms of mechanical functioning. To acquire an awareness of movement relative to the use of space, time, and weight. To participate in structured improvisation as a vehicle for individual movement expression. To develop an understanding and awareness of modern and jazz dance as a performance art. To acquire an understanding of dance relative to its historical, social, and cultural contexts.

Content: An introduction to modern and jazz dance technique. Performance of fundamental elements which comprise warm-ups, center floor sequences and combinations, and across-the-floor combinations. Basic elements of dance composition and improvisation.

Taught: Each semester.

Credits: 4

THTR 1140 - Dance II

Goals: To provide an introduction to the principles and processes involved in making dances. Explore concepts fundamental to creativity and the choreographic process. To develop a deeper understanding of the various motivations for movement in relationship to the elements of space, time, weight, and breath.

Content: This course is a continuation of Dance I. Participants will gain greater self-awareness of the body, explore with greater depth the rhythms and dynamics underlying movement, and explore the orientation of the body moving through space. More emphasis will be placed on longer movement phrases and more in-depth improvisations and creative choreography.

Taught: Annually.

Prerequisite: THTR 1130 or permission of instructor.

Credits: 4

THTR 1150 - Yoga

Goals: To improve body mechanics; develop mental focus and control; reinforce positive body image and language; and introduce yoga philosophy and experiential anatomy.

Content: Work with structural alignment, flexibility and strength technique to improve body mechanics and injury prevention through yoga poses; examination of how yoga philosophy relates to day-to-day living through written material and written reflections.

Taught: Alternate years.

Credits: 4

THTR 1230 - Acting I

Goals: To introduce the student to the basic principles of the actor's craft: physical discipline, vocal control, individual expression, and intellectual/emotional exploration of the role.

Content: Beginning with theatre games and improvisations, the course moves beyond exercises to the exploration of intention, action, and characterization in extensive scene and monologue work, including significant time spent in preparing students for a range of audition situations.

Taught: Each semester.

Credits: 4

THTR 1420 - Technical Theatre

Goals: To introduce the theories and practical skills of technical production in theatre. To develop a basis for further work in theatrical design and to qualify the student for theatrical production work.

Content: Materials, methods, and planning skills used in scenery, lighting, costumes, and properties. Projects in basic drafting, computer-aided design, construction, electricity, and electronics.

Taught: Annually.

Credits: 4

THTR 1450 - Drawing for the Theatre

Goal: Beginning drawing class especially intended for students interested in theatre design.

Content: The course covers basic principles of light and shadow, drawing the human form, fabric illustration and the techniques of working in pencil, marker and watercolor.

Taught: Winter, alternate years

Note: Students intending to take Costume Design or interested in fashion illustration are encouraged to take this course prior to taking Costume Design.

Credits: 4

THTR 3010 - Production Experience (Category II)

Goals: To engage the student in a range of production activities to develop communication abilities and technical skills required in the performing arts.

Content: Directing, designing, and performing in a mainstage show.

Credits: 0.5

THTR 3120 - Analyzing the Dramatic Text

Goals: To develop a strong foundation in script analysis with an emphasis on practical application through assignments geared to exercise the student's ability to engage the dramatic text from a performance, a design, and a historiographic perspective.

Content: Seven plays covering major historical periods and genres—including a focus on a variety of dramaturgical approaches—will be analyzed through close reading and experiential activities.

Taught: Annually.

Prerequisite: THTR 1120 or permission of the instructor.

Credits: 4

THTR 3140 - Theatre and Culture: Ancient to Renaissance

Goals: To become familiar with the broad and diverse history and literature of the theatre; the practical theories of acting, design, and directing; the latest research in dramatic criticism, performance theory and cultural studies; and the ways in which the study of theatre encourages cross-disciplinary thinking. To develop strong critical thinking, creative problem-solving, and writing skills.

Content: Representative texts from ancient Egypt, India, Greece and Rome; medieval Europe; feudal Japan; and the European Renaissance will be studied.

Taught: Annually, fall term.

Prerequisites: THTR 1120 and THTR 3120 recommended.

Theatre majors and minors should take THTR 3140 and THTR 3160 in sequence.

Credits: 4

THTR 3160 - Theatre and Culture: Modern to Postmodern

Goals: To become familiar with the broad and diverse history and literature of the theatre; the practical theories of acting, design, and directing; the latest research in dramatic criticism, performance theory and cultural studies; and the ways in which the study of theatre encourages cross-disciplinary thinking. To develop strong critical thinking, creative problem-solving, and writing skills.

Content: Representative texts from the 17th century through the contemporary age, including non-Western approaches as well as post-colonial theatre in Africa, Canada, the Caribbean, Ireland, and Australia.

Taught: Annually, spring term.

Prerequisites: THTR 1120 and THTR 3140 recommended.

Theatre majors and minors should take THTR 3140 and THTR 3160 in sequence.

Credits: 4

THTR 3180 - Film Studies

Goals: To study prominent film artists and theorists through a close examination of their work.

Content: Landmark films and major film theories will be discussed along with significant trends in technology, aesthetics, and production.

Taught: Alternate years.

Prerequisite: COMM 3320 or THTR 1120 is recommended.

Credits: 4

THTR 3210 - Movement for Actors

Goals: To improve physical communication through gesture, body language, and movement. Students will also develop critical analysis skills.

Content: Physical training in different somatic modalities including Feldenkrais, Laban Movement Analysis, dance, and yoga, which will explore the unique relationship between physical movement and text.

Taught: Periodically.

Prerequisite: THTR 1230.

Credits: 4

THTR 3230 - Acting II

Goals: Building on Acting I, this class is designed to further deepen understanding and mastery of the techniques of acting and to help prepare students for working in the field.

Content: The class focuses on the following areas: auditions, improvisation, character development, resumes, and commercial work. This class includes lab components of voice and speech and make up.

Taught: Annually.

Prerequisite: THTR 1230 and THTR 3210.

Credits: 4

THTR 3410 - Stage Makeup

Goals: To learn the techniques, theory, and application of theatrical makeup. To develop a working knowledge of materials and methods essential to use of principal types of theatrical makeup.

Content: Makeup design and application in relation to character development and the overall production concept. The course focuses on advanced paint techniques and prosthetics.

Taught: Alternate Years.

Prerequisite: THTR 1420 or permission of instructor

Credits: 4

THTR 3440 - Scenic Design

Goals: To develop an awareness of the principles and techniques of the scene designer's art. To qualify the student as a beginning scenic designer.

Content: Script analysis, concept development, visual research, and the use of design elements in the service of coherent and unified production. An exploration of the variety of design styles and the development of rendering, drafting, collage, and model making skills.

Taught: Alternate years.

Prerequisite: THTR 1420 or instructor permission.

Credits: 4

THTR 3450 - Costume Design

Goals: To introduce principles and practices in the design and execution of costumes for the stage. To prepare the beginning costume designer.

Content: Script and visual research and use of design principles to create costumes appropriate to both individual character and the production as a whole. Summary of development of western dress, figure drawing, rendering skills, and research methods together with the nature and decoration of materials, pattern development, draping, assembly, and finishing methods.

Taught: Alternate years.

Prerequisite: THTR 1420 or instructor permission.

Credits: 4

THTR 3460 - Lighting Design

Goals: To introduce the student to the basics in design of lighting for theatre and television. To prepare students to attain minimum competencies as lighting technicians and designers.

Content: Basic electricity, wiring and optics, study of current and historic equipment and methods, the nature of color, graphic analysis, and drafting. Script and ground-plan analysis and selection of design elements to reinforce the intentions of specific productions.

Taught: Alternate years.

Prerequisite: THTR 1420 or instructor permission.

Credits: 4

THTR 3700 - Children's Theatre

Goals: To provide a combined study of the theories and practical processes involved in creating and presenting theatre for children.

Content: Participants for the course are selected by audition to prepare and tour a participation theatre play for children. In addition to the rehearsal and performance components of the course, there are units of study in script analysis, the development of theatre for children, types of theatre for children, performing for and with children, and an introduction to the roles that theatre can play in an educational setting.

Taught: Annually, winter term.

Prerequisite: Course participants must be cast in the touring children's play.

Credits: 4

THTR 3800 - Dance Ensemble

Goal: To provide performance experience in contemporary concert dance. To learn modern and jazz technique and repertoire work from professional choreographers in the Twin Cities area and explore the choreographic process. Students will perform two concerts during the academic year.

Content: Intermediate and advanced modern and jazz technique will be taught which will be comprised of warm

ups; strength training; yoga; center floor sequences; across floor combinations; and partnering techniques. Emphasis will be placed on rehearsals for development of professional and student dance works.

Taught: Annually. This is a two credit class that may be repeated.

Prerequisite: Fall audition.

Credits: 2

THTR 5160 - Special Topics in Theatre Studies

Goals: The critical study of a specific historical movement, theatre company, and/or theatre artist.

Content: Intensive analysis of texts (both written, performance, and historical texts) in their cultural context. Topics will vary.

Taught: Alternate years.

Prerequisite: Junior or senior standing, or permission of the instructor.

Credits: 4

THTR 5400 - Managing the Performing Arts

Goals: To introduce the student to the economic and administrative issues that confront a performing arts organization. To explore the methods, materials, and policies used by successful managers in preserving their organizations.

Content: Units of study on organizational development, staffing procedures, fundraising systems, accounting methods, publicity techniques, and audience development.

Taught: Alternate years.

Prerequisites: Junior or senior standing.

Credits: 4

THTR 5520 - Stage Direction

Goals: To train the student in the essential principles of directing through play analysis, practical exercises, and scene staging.

Content: Emphasis on practical application through the staging of selected scenes from the modern theatre and exercises in composition, interpretation, and movement. Serious and comic texts, staging for traditional and open-stage forms, and working with script, actors, and designers.

Taught: Annually.

Prerequisites: Junior standing, THTR 1230, THTR 1420, THTR 3120, and consent of instructor.

Note: This course is restricted to major students. Enrollment is limited.

Credits: 4

THTR 5910 - Senior Theatre Project and Seminar

Goals: To provide senior theatre majors with the opportunity to demonstrate their professional abilities through the creation of a substantial research or production project and to prepare students for the transition to careers and/or graduate school.

Content: This seminar course focuses on the development of the performing arts professional. Topics include issues in ethics, union and professional association membership, career planning strategies, graduate schools and advanced training opportunities, parallel industry careers, and analyzing growth and change in the performing arts. Parallel to these seminars participants will also be developing their senior project. Techniques for the written and visual documentation of a performance will be examined as well as individual meetings with the project advisor.

Taught: Annually.

Prerequisites: This is a two semester, two credits per semester course sequence. Seniors must complete both semesters.

Only theatre arts majors are eligible to enroll for the senior project seminar. An approved project is required prior to enrolling. Approval of department chair is required.

Credits: 2 credits fall; 2 credits spring

WRIT 1100 - Introduction to Creative Writing

Goals: To introduce students to the practice of creative writing at the introductory level in poetry, fiction, and creative nonfiction. Students will begin to develop their understanding of creative writing as an art form, the writing process, and their ability to read as writers.

Content: Each week practicing artists will discuss their own writing process in relationship to particular published works. Individual sections will meet to discuss the visiting writer's work, to do writing exercises and share writing assignments designed to develop specific skills and techniques, and to workshop each other's work. Each student will complete a creative writing portfolio combining poetry, fiction, and creative nonfiction.

Taught: Spring term.

Prerequisite: ENG1110 or its equivalent before or concurrent with "Introduction to Creative Writing."

Credits: 4

WRIT 3000 - Creating Across Genres

Goals: This course is open to all students interested in creative writing. Students are introduced to the practice of reading as creative writers in three genres: poetry, fiction, and creative nonfiction.

Content: The primary text, Janet Burroway's *Imaginative Writing*, gives guidance in creative process and writing skills across genres; supplemental anthologies or texts may be added at the instructor's discretion. Students engage creatively with texts as writers, participate in class discussions, and begin to develop a writing practice. Emphasis is on developing an awareness of the diverse social contexts in which writers write and readers read. The course combines lecture, discussion, readings in and across genres, weekly writing exercises, and other assignments.

Taught: Annually

Prerequisite: ENG 1110 or its equivalent.

Recommended: ENG 3010 or one survey course (ENG 1210, 1220, 1230, 1240, 1250, 1270).

Credits: 4

WRIT 3110 - Forms & Elements of the Craft I: Poetry

Goals: In this course students explore some of the fundamental elements of poetry, including image, metaphor, simile, rhythm, rhyme, voice, tone, syntactical structures of the line, the sentence, the stanza, ideas of unity and fracture, and fragment and wholeness in the body of a poem, and the ways these elements interact with a poem's form.

Content: Attention is paid to the ways in which poets integrate these elements into the form of the poem. The course combines lecture, discussion, reading, writing exercises and experiments, and other assignments.

Taught: Annually

Prerequisite: ENG 1110 or its equivalent and WRIT 3000. WRIT 3000 may be taken simultaneously with WRIT 3110.

Recommended: ENG 3010 or one survey course (ENG 1210, 1220, 1230, 1240, 1250, 1270)

Credits: 4

WRIT 3120 - Forms & Elements of the Craft I: Fiction

Goals: In this course students explore and practice the fundamental elements of fiction, including characterization, setting, theme, scene vs. summary, plot, tension and conflict, dialogue, point of view, voice, and structure. They will apply insights concerning these elements to their own work, the work of their peers, and published fiction.

Content: Students will build skills through writing exercises and the study of contemporary and classic fiction, culminating in the completion of several pieces of short fiction. The course combines lecture, discussion, reading, writing exercises and experiments, and other assignments.

Taught: Annually

Prerequisite: ENG 1110 or its equivalent and WRIT 3000. WRIT 3000 may be taken simultaneously with WRIT 3120.

Recommended: ENG 3010 or one survey course (ENG 1210, 1220, 1230, 1240, 1250, 1270).

Credits: 4

WRIT 3130 - Forms & Elements of the Craft I: Creative Nonfiction

Goals: In this course students expand their literary writing skills through the study of diverse subgenres co-existing under the creative nonfiction umbrella, learning the basics of writing the literary memoir, the personal essay, the lyric essay, literary journalism, the nonfiction short, and experimental hybrid.

Content: Students write across nonfiction form and read classic and contemporary creative nonfiction, as well as writings about nonfiction form, narrative and lyric craft, and other issues related to this still-developing genre. The

course combines lecture, discussion, reading, writing exercises and experiments, and other assignments.

Taught: Annually

Prerequisite: ENG 1110 or its equivalent and WRIT 3000. WRIT 3000 may be taken simultaneously with WRIT 3130.

Recommended: ENG 3010 or one survey course (ENG 1210, 1220, 1230, 1240, 1250, 1270).

Credits: 4

WRIT 3210 - Forms & Elements of the Craft II: Poetry

Goals: In this course students study the use and history of metrics, including scansion and substitution; received poetic forms, such as the sonnet, the sestina, the villanelle, the haiku, the triolet, the pantoum, the ghazal; and the open form of free verse.

Content: Students examine the structure of poems and experiment with a wide variety of meters and forms, and how they affect elements of craft within a poem, to help them to discern the choices they have as writers in creating their own work. Readings include classic and contemporary poetry from various cultures, as well as one or more texts about the forms of poetry. The course combines lecture, discussion, reading, writing exercises and experiments, and other assignments.

Taught: Annually

Prerequisite: WRIT 3000 and WRIT 3110

Credits: 4

WRIT 3220 - Forms & Elements of the Craft II: Fiction

Goals: In this course students continue to explore and practice the fundamental elements of fiction and identify and consider various forms of fiction, which may include short story, the novella, and flash fiction. They will apply insights concerning the elements of the craft and forms of fiction to their own work, the work of their peers, and published fiction.

Content: Students will build skills through writing exercises and the study of contemporary and classic fiction, culminating in the completion of several pieces of short fiction. The course combines lecture, discussion, reading, writing exercises and experiments, and other assignments.

Taught: Annually

Prerequisite: WRIT 3000 and WRIT 3120.

Credits: 4

WRIT 3230 - Forms & Elements of the Craft II: Creative Nonfiction

Goals: In this course students explore and practice the fundamental elements of the craft of creative nonfiction, including the essayistic question, voice, structure, scene, reflection, and subtext.

Content: Students develop their ability to create portraits of actual people, recreate themselves as characters on the page, manage time and event, construct narrative or lyric structures, compose effective reflection and description,

identify deep subject, and apply these craft skills across nonfiction form. The course combines lecture, discussion, reading, writing exercises and experiments, and other assignments.

Taught: Annually

Prerequisite: WRIT 3000 and WRIT 3130.

Credits: 4

WRIT 5110 - Advanced Poetry: Workshop

Goals: In this course students write and revise a small collection of poems based on instructor feedback and constructive feedback from their peers. Attention is paid to use of proper techniques and forms.

Content: Participants provide oral and written feedback that reflects an advanced understanding of the forms and craft of poetry. Respectful and constructive workshop methods are practiced. Students are introduced to the work of organizing, arranging, and balancing a manuscript of their own. The class may include student presentations and reading of selected poetry as creative writers.

Taught: Annually

Prerequisites: WRIT 3000, 3110, and 3210.

Note: Restricted to creative writing majors or consent of the instructor.

Credits: 4

WRIT 5120 - Advanced Fiction: Workshop

Goals: In this course students write and revise works of fiction based on instructor feedback and constructive feedback from their peers. Attention is paid to the application of the techniques of fiction.

Content: Participants provide oral and written feedback which reflects an advanced understanding of the craft of fiction. Respectful and constructive workshop methods are practiced. The class may include reading of selected contemporary fiction, encouraging students to read as creative writers.

Taught: Annually

Prerequisites: WRIT 3000, 3120, and 3220.

Note: Restricted to creative writing majors or consent of the instructor.

Credits: 4

WRIT 5130 - Advanced Creative Nonfiction: Workshop

Goals: In this course students write and revise works of creative nonfiction based on instructor feedback and constructive feedback of their peers. Attention is paid to the application of the forms and techniques of creative nonfiction.

Content: Students provide oral and written feedback which reflects an advanced understanding of the forms and craft of creative nonfiction. Respectful and constructive workshop methods are practiced. The class may include reading of select contemporary creative nonfiction.

Taught: Annually

Prerequisites: WRIT 3000, 3130, and 3230.

Note: Restricted to creative writing majors or consent of the instructor.

Credits: 4

WRIT 5960 - Senior Seminar in Creative Writing

Goals: In this multi-genre class students will expand their knowledge of themselves as writers, of the craft and process of writing, of the role and value of research in creative writing, and of ways of effectively integrating research into the text.

Content: Students read and discuss literary texts that incorporate research done by the authors. They conduct research on subjects of their choice and integrate that research into their own creative text(s), which includes the writing and revising of a final project in their chosen genre. They select a research-based text and present lessons learned from that text to the class. The course combines discussion, reading and writing assignments, student presentations, and practice.

Taught: Annually

Prerequisites: One of the following Advanced courses: WRIT 5110, 5120, or 5130. Creative Writing major in senior year or consent of the department chair.

Credits: 4

WSTD 1010 - Foundations of Women's Studies

Goals: To introduce students to the interdisciplinary academic field of women's studies, including an introduction to feminism and feminist theory. It is designed to raise awareness of women's status and women's gender diversity; to critically examine disciplines and social practices through the lens of feminist theory; to recover past achievements of women and survey the work women now do; to expand personal perspectives; and to provide a basis for critical evaluation of future learning.

Content: This course aims to address the absence of women, their work, and their lives from traditional academic and professional fields, and to use feminist theory to analyze the sources and impact of this absence. It provides an overview of women's status in contemporary and historical periods, various disciplines' theories about women and gender, and women as agents of social transformation.

Taught: Annually

Credits: 4

WSTD 1500 - Topics in Women's Studies

Goals: To provide introductory study of one or more subject areas relating to women's studies.

Content: Focus varies. Previous topics have included courses such as "Women and Popular Culture," and "Socially (Ir)responsible Fashion."

Note: A student may register for this course more than once for different topics.

Credits: 4

WSTD 3500 - Topics in Women's Studies

Goals: To study in depth one or more subject areas relating to women's studies.

Content: Focus varies. Previous topics have included courses such as "Engendering Justice," "Women, Conflict, and Social Change," "Transforming a Rape Culture," "Sex and Gender in the Popular Romance Novel," and "Women Organizing for Social Change."

Prerequisite: WSTD 1010 or equivalent, or permission of instructor

Note: A student may register for this course more than once for different topics.

Credits: 4

WSTD 3750 - Feminist Scholarship in Action

Goals: Build on foundational knowledge about gender inequality; understand ways specific aspects of women's lives shape and are shaped by cultural contexts; draw upon feminist theory to identify implications and propose courses of action; recognize and explore connections among disciplinary perspectives on particular aspects of women's lives.

Content: This middle-level course closely examines the dynamics of gender inequality through theoretical perspectives drawn from disciplines with a focus on one particular area of inquiry or one specific aspect of women's lives. Focus of the course varies with instructor. Past topics have included courses such as "Transforming a Rape Culture," and "History of Women Organizing for Social Change."

Taught: Alternate years

Prerequisite: WSTD 1010 or equivalent, or permission of instructor

Note: A student may register for this course more than once for different topics.

Credits: 4

WSTD 3850 - Feminist Theory

Goals: To examine feminist theoretical work representing the major multidisciplinary areas of feminist theory. To survey intersectional feminist theory across the disciplines, and provide an overview of historical and ideological trends in feminist thought. WSTD 3850 furthers students' thinking from WSTD 1010 in preparation for additional upper-division coursework in women's studies including the research seminar.

Content: Discussion and analysis of works representing the major areas of intersectional feminist/womanist thought theory across the disciplines.

Taught: Alternate years

Prerequisite: WSTD 1010 or equivalent, or permission of instructor

Credits: 4

WSTD 5900 - Research Seminar

Goals: To examine significant developments in feminist/womanist theory and to provide a synthesis of what women's studies majors have learned and an opportunity for them to share their research.

Content: Student-generated research topics and presentations, with an emphasis on the application of feminist theories.

Taught: Alternate years

Prerequisite: WSTD 3850 or permission of instructor

Credits: 4

Admission Procedures, Finances, Financial Aid, and Transfer of Credit

Admission

Admission Procedure for First-Year Students

Students applying for first-year admission to the university must submit the following credentials:

1. An application form completed by the applicant. Hamline accepts the Common Application.
2. An official secondary school transcript. Students may submit transcripts from ninth through eleventh grades and a list of senior year courses with the understanding that full admission is granted only after the receipt and approval by the admission committee of the final year's record. In many cases, grades earned during the first semester of the senior year will be requested before a decision is made. Official transcripts must be sent directly to the Office of Undergraduate Admission by the secondary school. First-year student applicants who have earned college credit before graduating from secondary school must list the colleges they have attended on the application and contact those colleges and request that official college transcripts be sent to Hamline University (see Transfer of Credit and Advanced Placement).
3. The results of the ACT or the Scholastic Assessment Test (SAT). It is recommended that the SAT or ACT be taken late in the junior year or early in the senior year. When registering for the tests, students should request that copies of the score results be sent to Hamline University. The ACT institution code for Hamline is 2114, the SAT code is 6265.
4. Applicants should submit at least one teacher or counselor recommendation.
5. Other information as requested by the admission committee during consideration of an individual applicant. Such information might include recommendations, SAT or ACT writing exams, the results of additional coursework, and/or a formal admission interview. Hamline University is a member of the National Association for College Admission Counseling and adheres to the *Statement of Principles of Good Practice*.

Community College Transfer Students

The university welcomes students from community and junior colleges to transfer to Hamline for their final years of undergraduate work. In most cases, students who transfer to the university after having completed an associate degree or two years of comparable work will have acquired sufficient scope in their program to satisfy a large portion of the general education goals of the Hamline curriculum. A maximum of 96 quarter hours or 64 semester hours of work from two-year

colleges will be accepted as transfer credit. Hamline offers a two-year assurance of graduation with a Bachelor of Arts degree to students who complete an Associates of Arts degree and meet the eligibility requirements.

Community college students who are planning to transfer to Hamline are encouraged to consult with the Office of Undergraduate Admission in order to correlate their coursework with Hamline's curriculum guidelines.

To be considered for admission to Hamline, the applicant must have graduated from or be eligible to return to the institution from which he or she wishes to transfer and must have earned an overall grade point average of C (2.0) or better in all college courses completed. Students who have earned college credit after secondary school graduation apply as transfer students.

Students applying for transfer admission to the university must file the following credentials:

1. An application form completed by the applicant. Students may apply online at www.hamline.edu/undergraduate/admission/apply.
2. Official copies of all previously attended college transcripts, even if no grade and/or degree was given. Transcripts must be sent directly from the previous college(s) to the Office of Undergraduate Admission.
3. A Dean of Students form. This form verifies enrollment at your current or most recent institution and must be sent directly from that institution.
4. Official secondary school transcripts and test scores if the applicant has completed fewer than 24 semester hours or 36 quarter hours at the time of application or has graduated from high school within the past five years.

Four-Year College Transfer Students

Students planning to transfer to Hamline University from accredited institutions of collegiate rank should ordinarily transfer early enough in their college career to permit at least two full years of study at Hamline. Students who have completed more than two years of study should schedule an admission interview with a member of the admission staff.

To be considered for transfer admission, students transferring from four-year colleges must provide the same information as described under Community College Transfers. Official transcripts must be provided from all post-secondary institutions attended.

Accepting an Offer of Admission

Admitted first-year students and transfer students accept the offer of admission by submitting a \$400 admission deposit. This deposit may be paid after notification of admission. Deposits can also be made online, via Pipeline, Hamline's secure website for student services.

All matriculating first-year students must submit final transcripts from their secondary school. The college reserves the right to withdraw admission/enrollment for students who fail to perform adequately in their final term(s) of high school after accepting an offer of admission.

New Student Housing

On-campus residence is not required but is very strongly recommended for new students. Eighty-seven percent of first-year students choose to live on campus.

Your housing deposit is included in your \$400 admission deposit. No additional deposit is collected for undergraduate students who apply to live on campus. See your individual housing contract for additional housing information.

International Student Admission

Applicants must complete a college preparatory program before enrolling. All applicants for admission must demonstrate their ability to be successful in college courses where English is the language of instruction. Students whose first language is English should file the results of one of the tests described under Admission Procedure for First-Year Students (i.e. SAT or ACT).

Students whose first language is not English must demonstrate a proficiency in English by scoring a minimum of 550 on the written TOEFL examination, 213 on the computer based TOEFL, 79-80 Internet-based TOEFL, IELTS score of 6.5, or through the completion of an approved English as a Second Language program (please contact admissions for more information). Students who will need additional training in English before beginning their college work are encouraged to attend an English as a Second Language program.

Hamline University supports international student enrollment by providing international programs and an advisor on campus. The advisor is available to assist international students in adjusting to the university's academic programs, in immigration matters, and in taking fullest advantage of the academic and social opportunities the university provides.

Early Admission

Students who have not completed a secondary school diploma or who have graduated from non-accredited high schools may be admitted as degree seeking students upon application review and provided they are recommended for such admission by their secondary school. Students must demonstrate through their coursework, test results, personal statement, and an admission interview that they are capable of satisfactory work at a selective liberal arts college.

Students who have not completed secondary school may also be considered for admission as special students under the Minnesota Post-Secondary Enrollment Options (PSEO)

Program. These options are designed to provide talented high school seniors and juniors the opportunity to broaden their educational backgrounds through college-level classes. Admission is very selective and enrollment is limited.

Additional information about the Post-Secondary Enrollment Options Program is available from the Office of Undergraduate Admission.

Non-degree Seeking and Visiting Students

Students who are not degree candidates may enroll in Hamline courses provided they satisfy the requirements of the instructors concerned and are registered properly. Students planning to enroll as non-degree, visiting students should contact the Office of Registration and Records for information and forms.

Postbaccalaureate Students

Students who have already completed a college degree and would like to enroll to complete a teacher licensure program, or one of the certificate programs (paralegal, forensic science, international journalism, or conflict studies) must contact the Office of Graduate Admission. The admission staff will provide program information and application forms.

Readmission of Students

Former students who wish to return to Hamline after any interruption of registration must apply for readmission unless they have been on an approved leave of absence. Students wanting to be readmitted to Hamline should contact the Office of Registration and Records for information and application forms. If a student has taken courses at another college since leaving Hamline, an official transcript is required from each college the student has attended.

Students who interrupt enrollment for more than one academic year must fulfill the *Bulletin* requirements in effect at the time of reentry/readmission, or they may opt to fulfill the requirements published in the last previous *Bulletin*. Only with written approval of the appropriate department chairperson or program director can students elect to fulfill the requirements of any previous *Bulletin*.

Veterans

Hamline is approved by the Veterans Administration for the education of veterans under the provisions of the Vocational Rehabilitation Act (Public Law 16 and the Vocational 894). A certificate of eligibility should be secured by the veteran from the regional office of the Veterans Administration and presented to the Student Administrative Services office prior to registration. Hamline is responsible for certifying, training, and transmitting necessary credentials and information to the Veterans Administration. For more information and to contact the VA Certifying Official, go to www.hamline.edu/veterans/.

Transfer of Credit

The Registration and Records office, using official transcripts from a student's previous schools, works with the faculty to determine the requirements met by transfer work. Only transfer work from regionally accredited colleges and universities will be considered for transfer. Information about the accreditation of colleges and universities in the north central region is available at www.hlcommission.org. Transcripts and other documents submitted from other institutions and agencies are the property of Hamline University and will not be reissued to applicants, students, alumni, or other parties.

Classes will be evaluated on a course-by-course basis. Courses must be considered college-level, relevant to a liberal arts degree, and a student must have earned a C- or above. If a course is taken as Pass/No Pass, and the school awards a Pass for grades below a C-, a letter must be submitted from the institution's registrar indicating the student would have received a C- or above before transfer credit is awarded. Please note that acceptance of credit may be for elective credit only; equivalency to Hamline courses is determined by individual departments. Students transferring credit will not receive credit twice for similar courses taken at Hamline. Grade point averages do not transfer.

A transfer student who chooses to retake a Hamline course that is equivalent to a course accepted for transfer credit may do so on an audit or zero-credit basis. The student may request the repeat only for the purpose of ensuring competency in a foreign language or other discipline before enrolling in continuation courses, and no additional credit or grade point average impact will result.

A maximum of 64 semester credits may be brought in from two-year colleges. Credit in narrowly vocational courses is not transferable. Nursing, mental health, chemical dependency, law enforcement, military, and other focused professional program credits are transferable up to a limit of 32 semester credits if the course content is suitable for a liberal arts program. 1.5 quarter credits equals 1 semester credit.

Students must earn at least 56 semester credits at Hamline in order to receive a Hamline degree (60 credits at Hamline, graded on the A-F scale, are required to earn Latin Honors). A minimum of 16 semester credits in a student's major must be taken at Hamline. The credit amount of transfer courses will not change if equivalency to a Hamline course is granted (i.e. a 3 credit course granted equivalency to a 4 credit Hamline course will remain at only 3 credits).

Transfer Evaluation Systems (TES), showing course equivalents for all classes previously transferred to Hamline from across the country, can be found at: www.hamline.edu/offices/registration-records/student-resources/transfer-credit.html. This list is subject to change.

Students earning credits at other institutions may be asked to provide copies of appropriate course catalogs or syllabi to assist in the evaluation transfer credit.

Transcripts from foreign schools must be submitted to an outside agency for course-by-course evaluation and processing before an evaluation can be completed. The agency must be a member of the National Association of Credential Evaluation Services (NACES). The commonly used agencies are World Education Service (WES) online at www.wes.org, and Educational Credential Evaluators (ECE) online at www.ece.org. These organizations usually charge students a fee for these services.

Students who have transferred in course work which they would like to have approved for their major or minor (which did not previously articulate as such) should follow these steps:

1. Obtain a copy of the course syllabus and/or course description from the official course bulletin of the institution where the course was taken.
2. Have the course reviewed by their major/minor advisor and the chair of the department.
3. If the chair and advisor in the major/minor department approves the course, obtain a Program Sheet online at www.hamline.edu/ugrequirements or at the Student Administrative Services office.
4. Complete the substitution column of the Program Sheet and both advisor and department chair will sign the form.
5. Return the signed form to the Student Administrative Services office.

Students who have transferred in course work that they would like evaluated for Hamline Plan requirements (which did not previously articulate as such) should follow these steps:

1. Obtain a copy of the course syllabus. If a student no longer has a copy of the syllabus he or she may have to contact the former institution or instructor in order to provide a more complete description of the course than the course description provides.
2. Attach a memo to the syllabus listing the course and the desired Hamline Plan designation(s).
3. Submit the memo and syllabus to the Student Administrative Services office to the attention of the Transfer Articulation Coordinator.
4. The Transfer Articulation Coordinator will work with the faculty to review the course and will e-mail the decision.

Minnesota State Colleges and Universities System (MnSCU) Transfer Students

MnSCU's two-year Minnesota Transfer Curriculum (MnTC) and Hamline University's four-year Hamline Plan work hand-in-hand to provide students with an excellent general education foundation.

Students who complete the Minnesota Transfer Curriculum with a minimum course grade of C- will automatically satisfy at least 10 of the 19-20 Hamline Plan requirements, leaving only nine or ten to finish at Hamline.

For more information regarding how the MnTC aligns with the Hamline Plan, please see this chart: [Hamline Plan alignment with Minnesota Transfer Curriculum](#)

Advanced Placement (AP)

A student earning a score of 4 or 5 on an Advanced Placement Examination sponsored by the College Board may generally be awarded 4 credits. Scores of 3 may be accepted at the discretion of the appropriate departments. Scores of 1 or 2 will not be accepted. An official transcript must be received from the College Board. For instructions on ordering an AP transcript see:

www.collegeboard.com/student/testing/ap/exgrd_rep.html.

Hamline course equivalencies are determined by the appropriate departments. A maximum of 20 semester credits from AP exams may transfer. A student may not exceed a total of 64 credits among AP, IB, PSEO, CIS, CLEP, and DSST coursework. AP exams, International Baccalaureate (IB) exams, and college course work may be duplicative. In those cases, a student will receive credit only once.

International Baccalaureate (IB)

Students taking the Higher Level International Baccalaureate exams may be eligible to receive credit at Hamline. An official transcript must be received from IB, please visit www.ibo.org/iba/transcripts/ for ordering information. A student must earn at least a score of 4 or 5 depending on the subject area for credit to be considered. If accepted the student will receive either 4 or 8 credits depending on the exam. Hamline course equivalencies are determined by the appropriate departments. A maximum of 20 credits from IB courses may transfer. A student may not exceed a total of 64 credits among AP, IB, PSEO, CIS, CLEP, and DSST coursework. AP exams, International Baccalaureate (IB) exams, and college course work may be duplicative. In those cases, a student will receive credit only once.

Post-Secondary Enrollment Option (PSEO)

The PSEO program is a Minnesota State program which allows qualified high school students to attend college classes while completing their high school degree. An official transcript must be received from the college or university (not the high school) for transfer credit to be considered. A maximum of 64 credits may be transferred in through AP, IB, PSEO, CIS, CLEP, and DSST coursework. Other policies under the Transfer of Credit section (listed above) apply.

College in the Schools (CIS)/College Courses Taken at the High School

Transfer credit may be awarded for CIS courses or other college classes taken at a student's high school provided an official transcript is received from the college or university awarding college credit (not the high school). A maximum of 16 credits from CIS courses may transfer. A student may not exceed a total of 64 credits among AP, IB, PSEO, CIS, CLEP, and DSST course work. Other policies under the Transfer of Credit section (listed above) apply.

College Level Examination Program (CLEP)

CLEP examinations are administered by the College Board and are designed for individuals who have acquired knowledge outside the formal educational channels. The exams enable such individuals to demonstrate their college-level learning by taking tests that assess the knowledge and skills taught in introductory college courses. The exams are offered for a small fee at regional testing centers.

There are two types of exams: general exams and subject exams. Credit will not be awarded for a CLEP subject exam if a student has already taken a college level course in an equivalent subject area. Generally students who score at or above the American Council on Education's (ACE) recommended score (usually 50) may be eligible to receive academic credit subject to approval by the appropriate department. English Composition CLEP exams are not accepted.

A maximum of 16 credits from CLEP exams may transfer. A student may not exceed a total of 64 credits among AP, IB, PSEO, CIS, CLEP, and DSST coursework.

More information about CLEP is available at www.collegeboard.com/student/testing/clep/about.html.

DSST Examination Program (DANTES)

DSST exams are approved and accepted by the American Council on Education (ACE) and are designed for individuals who have acquired knowledge outside the formal educational channels. The exams are offered for a small fee at regional testing centers.

Credit will not be awarded for DSST exams if a student has already taken a college-level course in an equivalent subject area. Generally, students who score at or above the American Council on Education's (ACE) recommended score (usually ranging from the mid- to upper-40s) may be eligible to receive academic credit subject to approval by the appropriate department. Technical Writing DSST exams do not fulfill Hamline's first-year writing requirement.

A maximum of 16 credits from DSST exams may transfer. A student may not exceed a total of 64 credits among AP, IB, PSEO, CIS, CLEP, and DSST coursework.

Credit Limitation for Transfer Work Completed While in High School

Hamline University will accept no more than 64 credits for accredited college level coursework taken while concurrently enrolled as a high school student. This includes course work from AP, IB, PSEO, CIS, and CLEP. In addition, AP and IB programs are limited to 20 credits each. CIS, CLEP and DSST programs are limited to 16 credits each. Students may transfer in up to 64 credits of PSEO course work. The aggregate total for all programs must not exceed 64 credits.

Finances

Tuition 2016-2017

Full-time students enrolled for the academic year, tuition per year	\$38,100
Part-time students, charge per credit	\$1,190
Audit fee for part-time and visiting students only, per course	\$100

In unusual circumstances, a student may petition to take an overload, which is more than 20 credits for either fall or spring term, or more than 5 credits in winter term. If the overload is approved, the student will be charged the per credit rate for each credit above the limit.

Fees 2016-2017

Student Activity Fee (estimated)	\$300
Facilities Fee	\$110
Health Services Fee	\$216
Technology Fee	\$298
Book Rental Fee	\$480
Health and accident insurance (estimated)	\$2,400

Note: All students are required to have health and accident insurance and will be charged for Hamline insurance coverage. Students who have their own insurance will have the opportunity to go online and waive this insurance fee. If students do not submit an online waiver request, they will be enrolled in the school policy and will be responsible for the cost of that coverage.

Complete tuition and fee information is provided at www.hamline.edu/tuition.

Room and Board 2016-2017

Room

Single:	\$5,800
Double, Triple, Quad:	\$4,986

Returning students are charged a cancellation fee if, during spring room selection, they reserve a room for the subsequent year and cancel that reservation after May 1, but prior to occupancy. Damage to a room or its furnishings, beyond ordinary wear and tear, will be charged to the student.

Meal Plans

Residence Hall Meal Plans*:	\$4,750
75 Block Meal Plan**:	\$3,512

*For more information, contact Residential Life. Students living in residence halls are required to have a meal plan through Dining Services.

**The 75 Block Meal Plan is available to third year, fourth year and graduate students only.

Payment Options

Prior to the start of each term an E-bill showing charges and estimated financial aid is prepared for each student by the student accounts office. Hamline students may select one of the following payment options:

1. Semester payment plan-fall term due August 15 and spring term due January 16 as billed; or
2. Installment plan-tuition, fees, room and board are paid in monthly payments through Tuition Management Systems for an annual fee.

Withdrawal Charges

For students who officially withdraw from the university during a term, the amount of tuition owed is calculated from the date on record of their withdrawal or leave, not from the date the student ceases to attend classes. Students who officially withdraw from classes before the end of the 10th day of class will not be responsible for any tuition charges. After that date, the amount of tuition owed will be calculated daily on an increasing scale based on the percentage of days in the term before the withdrawal date. Students who withdraw after 60 percent of the term has passed will be responsible for all tuition charges.

The same schedule is used to calculate the amount of tuition owed when a student drops from full-time to part-time or from overload to full-time.

Financial aid will be canceled or prorated as required by the programs. See the financial aid instruction guide for details.

Student fees assessed by the university or the Student Congress are not refundable.

Registration

It is important that students register during the stated registration periods. Students who fail to complete registration (including financial arrangements) by the first day of classes will be charged a late registration fee.

Late Payment Policy

Late payment penalties are imposed thirty days after the start of fall and spring semesters. For account balances of \$1000 or more, a late payment fee of 5% (up to \$500) will be assessed.

Insurance

Hamline does not carry insurance on the personal property of faculty, students, or staff and is not responsible for the loss or damage of such property.

Financial Aid

Financial assistance is granted on the basis of the student's estimated financial eligibility as measured by the Free Application for Federal Student Aid (FAFSA). Along with most other colleges and universities, Hamline uses the FAFSA to provide a fair, objective, and unbiased estimate of a student's eligibility for assistance. Assistance is granted through a combination of scholarships or grants, loans, and campus employment.

An award is made one year at a time. The exact amount of eligibility is determined each year on the basis of confidential income information.

Students must maintain full-time status to be eligible for Hamline-sponsored grant or scholarship assistance. Students are normally allowed grant assistance for a total of eight cumulative terms, including all previous postsecondary work. Financial aid eligibility for fifth year students is limited to non-Hamline sponsored programs. Selected Title IV federal funds are available to eligible students maintaining at least one half of the full-time course load. Eligibility for these funds is determined both by the amount of demonstrated financial eligibility and maintenance of minimal satisfactory progress toward a degree.

Minnesota state residents: the Minnesota definition of full-time enrollment for students qualifying for the State Grant Program is 15 credits per semester. The estimated grant is based on full-time enrollment of fifteen credits per semester and will be pro-rated if registered for less. Winter term credits may be combined with either fall or spring semesters to achieve fifteen credits.

Minnesota State Grants are given by the State of Minnesota. Students are eligible for State Grant for the equivalent of eight full-time semesters in total. This total includes all previous postsecondary credits attempted or earned at other institutions.

Federal Pell Grants are awarded based on the results of the Free Application for Federal Student Aid (FAFSA). Students are eligible for the equivalent of twelve full-time semesters in total. This total includes any terms at previous postsecondary institutions in which students received Pell grant.

Application Procedures

Students who wish to apply for financial assistance should file the Free Application for Federal Student Aid (FAFSA) online at www.fafsa.ed.gov indicating that he or she wants the results sent to Hamline University (FAFSA Code #002354). A Hamline application and supporting income tax information may be required.

It will take one to two weeks for the FAFSA to be processed by the US Department of Education.

Financial Aid Adjustments

In the event that we receive new or additional information including, but not limited to, housing, outside funding, or enrollment, your financial aid is subject to change. Unless paper notifications are requested, students will be notified through email when changes are available to be viewed in Pipeline.

Transfer Students

Students who have transferred credits to Hamline begin their course of study at the grade level approved by Registration and Records. Coursework that has not transferred will not be reviewed as part of the maximum time frame requirement for aid eligibility.

Financial Aid for Summer Term

Financial aid is available for summer students enrolled in at least six credits. Financial aid for summer term normally consists of a portion of your Federal Subsidized or Unsubsidized Stafford Loan, SELF, private loans, or Federal PLUS Loans. Minnesota State and Pell Grants may also be available. Contact the Office of Financial Aid at 651-523-3000 for more information on eligibility and application deadlines.

If you are eligible to receive VA educational benefits during the academic year, you are probably eligible to receive them for the summer. For further information, consult the Hamline VA representative, at 651-523-3000.

Types of Financial Aid

Scholarships and Grants

Hamline grants of various types are available to new and returning students on the basis of demonstrated financial eligibility. Over 150 different endowed and restricted scholarships are available to students who both meet the requirement of the donors and demonstrate financial eligibility or meet requirements established by campus departments.

In addition, Hamline offers merit-based scholarships to incoming students recognizing academic excellence. Hamline merit-based aid may be used to meet demonstrated financial need. A combination of Hamline-sponsored scholarships, grants, and/or federal or state scholarships/grants may not exceed Hamline tuition. If a student withdraws from the University and subsequently re-enrolls, he/she forfeits the original merit-based scholarship.

Reclassification: All Hamline merit- and need-based resources are subject to reclassification (renaming) to a donor endowed fund. The student will retain the honorary winner status of the original award. For example, a Hamline Presidential Scholar may be nominated by an academic department for a departmental endowed scholarship. That student may see a reduction in the Presidential amount and an addition in the

departmental endowed amount. This does not change the overall total of grant and scholarship dollars awarded to you.

Housing grants: Housing grants, including, but limited to Piper Housing grant and Residential Hall grants are only available to students living on campus and may be renewed each year that students continue to live on and demonstrate financial need. If a difference Hamline funding source is found during the year, this grant may be reclassified.

A list of individual scholarship funds appears under the "Scholarship Funds" section below.

Loans

Long-term, low-interest loans are available to Hamline students through the following programs:

- The **Federal Perkins Loan Program** is funded by both Hamline and the federal government, and is administered by Hamline. Eligible students with exceptional financial need are automatically considered for this loan when they apply for assistance through the school.
- The **Federal Direct Loan Program** is funded by the federal government. Application forms can be obtained on the Office of Financial Aid web site at www.hamline.edu/loans.
- The **Federal Parent Loan for Undergraduate Students** (PLUS) is funded by the federal government and requires prior credit approval of the parent borrower. Application forms can be obtained on the Office of Financial Aid web site at www.hamline.edu/loans.
- The **United Methodist Student Loan Fund** is available to students who are full members of the United Methodist Church. Students complete a loan application, available online at www.gbhem.org.
- The **Minnesota Supplemental Educational Loan Fund** (SELF) is intended to help students who need to borrow more than is allowed under existing programs and students who have limited access to other financial aid programs. The SELF loan application can be completed on-line at www.hamline.edu/loans. The SELF loan has the option of either a fixed or variable interest rate and a requirement for quarterly interest payments. A credit-worthy co-signer is required to obtain a SELF loan.

Alternative/Private Loans

There are a variety of private loans available. All private loans are based on satisfactory credit history. Contact the Financial Aid Office for term of loans. Students may apply on-line at www.hamline.edu/loans.

Employment

For a description of employment opportunities, see Campus Employment in this *Bulletin*.

Satisfactory Academic Progress

Financial aid eligibility is based on satisfactory academic progress (SAP) standards that Hamline University of Financial Aid is required by the U. S. Department of Education to establish, publish, and apply. The Financial Aid Office measures academic performance and enforces SAP standards to ensure that financial aid recipients progress toward completion of their degree or certificate program. Students who fail to meet these standards become ineligible to receive financial aid until compliant with all of the requirements detailed in this policy.

To demonstrate Satisfactory Academic Progress, a student's academic performance must meet two main SAP components. The first is a qualitative component, represented by grade point average (GPA). The second is a quantitative component measured by credit completion (the ratio between attempted and completed credits) and the maximum timeframe to complete the degree or certificate program.

Section 1. Standards of Satisfactory Academic Progress

Grade Point Average - All undergraduate students are required to maintain a minimum cumulative GPA of 2.0.

Credit Completion - Students must complete 67% of all credits attempted. A completed credit has a grade of A, B, C, D, P, or HP. Withdrawals, incompletes, and repeated courses are included in attempted credits.

Maximum Time Frame - Students are expected to finish their degree or certificate within an acceptable period of time. Acceptable period of time for financial aid recipients is defined as 150% of the required number of credits needed to complete their program. This includes transfer credits from another college that apply to the Hamline program. For undergraduate students this means that students must finish their degree before they reach 192 attempted credits. Hamline is required to suspend aid eligibility after any review which shows that the student cannot possibly complete the program within the 150% program length. Students who require developmental coursework may appeal to have the 150% limit extended.

Section 2. Definitions/Conditions

Credit - A credit is the unit by which academic work is measured.

Attempted credit - An attempted credit includes all credits for which you are registered at the beginning of each term.

Cumulative credits - Cumulative credits represent the total number of credits evaluated (attempted and earned) for all periods of enrollment at the University, including summer and J-terms or terms for which the student did not receive aid.

Earned credits - Earned credits are those that are successfully completed with a grade of A, B, C, D, HP, and P

and all plus and minus variations. Grades of I, W, N, F, and EX, or drops are not counted as earned credits. Audit credits are not counted as attempted or earned credits.

Grade Point Average (GPA) - The GPA is calculated using a grade point value outlined in the catalog for grades A, B, C, D, and F and all plus or minus variations. Although a grade of P or HP will count as credit earned, it carries no grade point value.

Incompletes - An "I" or "EX" are included in the cumulative credits attempted. These credits cannot be used as earned credits until a passing grade is assigned.

Repeat Credits - Repeats may be allowed in order to improve a grade or meet program requirements. They are included in credit completion and maximum time frame standards. The most recent grade will become the grade calculated for GPA.

Transfer Credits - Grades associated with transfer credits are not included in the cumulative GPA calculation. Transfer credits accepted by Hamline University that are applicable to the current degree program apply toward the maximum time frame calculation for that program.

Change of Major, and Dual Degree - Many students receive multiple awards from Hamline University. Only attempted credits eligible for application toward the student's current degree program will count toward the maximum time frame of that degree. Attempted and earned credits under all majors will be included in the calculation of GPA and credit completion. Students who change majors or seek a dual degree may appeal for an extension of the maximum time frame provision of this policy. Appeals will be evaluated on an individual, case-by-case basis.

Post Secondary Education Options (PSEO) - Credits earned while a PSEO student at Hamline University will be included in the cumulative credit completion standard, GPA, and maximum time frame calculation. PSEO credits earned at another postsecondary institution will be treated as transfer credits for federal financial aid purposes.

Consortium/Joint Program Credits - Credits accepted by the University are included with attempted and earned credit totals.

Section 3. Implementation

Academic progress for every financial aid applicant will be monitored after each semester, including summer term. If the program is less than one year in length the review will take place at the mid-point. All of a student's academic coursework is considered in the review process, whether the student received aid that term or not. The assessment will be based on the student's entire academic record, including all transfer credit hours accepted.

Financial Aid Warning Status - If the student does not meet either the GPA or Credit Completion standard, the student will be placed on Financial Aid warning for the next registered term. While on warning status, students are

eligible to receive financial aid. Students on warning status are encouraged to use the many academic support services on campus to improve their academic standing. To be removed from financial aid warning status the student must meet GPA and credit completion standards. A student who has reached the maximum time frame prior to completing the program will no longer be eligible for financial aid.

Financial Aid Ineligibility/Suspension - Students who do not meet the minimum cumulative GPA and/or credit completion ratio or do not meet the terms of financial aid warning status will be no longer eligible for federal, state or institutional aid. Students may be eligible for private loan programs and outside assistance that does not require SAP. Provided the student's academic status allows for registration, s/he may attend the University at his or her own expense until the minimum cumulative GPA and credit completion requirement has been met. Hamline University may immediately deem a student ineligible for financial aid in the event of extraordinary circumstances, such as a student who registers for but does not earn any credits for two consecutive terms, or a student who demonstrates an attendance pattern that abuses the receipt of financial aid. Students who failed to meet these standards due to unusual circumstances may appeal the financial aid SAP suspension status.

Academic Suspension - Students who have been suspended by the University are no longer eligible for financial aid. If a student is readmitted, s/he may need to complete the financial aid suspension appeal process. Eligibility for financial aid will be determined based on financial aid SAP standards through a review of the academic record.

Section 4. Right to Appeal

Financial Aid Ineligibility/Suspension

A student who is unable to achieve SAP and is suspended from receiving financial aid has the right to appeal. The student may appeal the financial aid suspension status within 14 days of date of suspension notification or prior to the start of the term. If appeals are received after the start of the term, they will be considered, provided there is an acceptable reason for the delay. Students are encouraged to submit appeals if:

- The record shows that the student has now earned the required cumulative minimum GPA and credit completion ratio to meet SAP standards.
- The student is readmitted after suspension by the University.
- Unusual circumstances interfered with the student's ability to meet SAP standards, including but not limited to:
 - Illness, accident, or injury experienced by the student or a significant person in the student's life.
 - Death of a family member or significant person in the student's life.
 - Divorce experienced by the student or parent.

- Reinstatement after an academic dismissal or extended break in the student's enrollment.
- Personal problems or issues with spouse, family, roommate, or other significant person.
- Exceeding time frame while in a second undergraduate or dual degree program or as a result of changing major.

To appeal, students must submit to the Financial Aid Office the following:

- A statement from the student explaining the nature of the extenuating circumstances that contributed to the SAP deficiency with an explanation of how the barriers/circumstances to academic success have been removed.
- Third party documentation to support the circumstances, if applicable.
- Approved academic plan developed by the student and the Academic Advising office.

Financial Aid Probation

If the student successfully appeals the financial aid ineligibility/suspension status, the student will be placed on Financial Aid probation for their next registered term. While on probation, students are eligible to receive financial aid. Students on probation status are encouraged to use the many academic support services on campus to improve their academic standing.

To be removed from financial aid probation for following terms, the student must meet the general SAP GPA and credit completion standards or meet the terms listed in their specific approved academic plan. If after any review period the student is no longer meeting the terms of the academic plan or the general SAP standards, Hamline will suspend federal, state and institutional aid.

Return of Financial Aid

Change in Enrollment Status - A student that withdraws or decreases enrollment status may receive a decrease in the institutional charges. (See withdraw charges policy from Student Accounts Office)

Return of Financial Aid - The date on record of a student's withdrawal or leave is calculated based on when the student officially notifies Hamline of the withdrawal or leave or the last date of documented attendance. However, the withdrawal from all your classes prior to the term census date (generally after the first 10 days of the semester, or a rolling census date in the case of short/modular courses) will necessitate the return of all of your financial aid. However, if a student is able to document class attendance for each course prior to the term census date, the last date of attendance may be used. The documentation must be completed within 7 days of the withdrawal date to be considered. At any point that a student receives a 100% refund of tuition; all state, institutional and

private sources of aid will be returned. If a student changes enrollment status after census day, the financial aid package may be adjusted to reflect the eligible available aid at the new enrollment level.

Federal (Title IV) Refund Policy - Students that receive federal aid who cease enrollment after a term starts and before completing 60% of the term will need to return a portion of their federal aid. The percentage of federal aid returned is determined from a calculation using the effective withdrawal or leave date on record and number of days in the period of enrollment.

The federal refund calculation and return of federal aid may also need to be completed for any withdrawn or dropped courses within the term, if the student is enrolled in a term which has at least one class that is offered in modules or short classes that do not extend the entire term.

State Refund Policy - Students that receive state aid who cease enrollment prior to census date will have all their state aid returned. If a student ceases attendance after the census date and before completing 60% of the term they will need to return a portion of their state aid. The percentage of state aid returned is determined from a calculation using the effective withdrawal or leave date along with other considerations such as percentage of award funded by state funds, payment on accounts, and amount refunded to federal programs.

Institutional Refund Policy - Students who receive merit and/or need based institutional grants and scholarships and who cease enrollment prior to the census date will have all of their institutional aid returned. If they cease attendance after the census date, the aid is reduced by the same percent as the student's tuition is reduced.

Scholarship Funds

Students eligible for financial aid are provided assistance through a variety of scholarships from several sources, annual and endowed. Hamline is especially grateful to the many benefactors who have established permanent endowed scholarships, the income from which forms an integral part of Hamline's financial aid program.

Scholarships for New Students

Hamline University offers academic merit scholarships for new students based on their high school records and standardized test scores. Students who transfer to Hamline with 24 or more college credits receive scholarships based on the college grades. Contact the Office of Undergraduate Admission for details.

United Methodist Matching Scholarship Program (Local)

Hamline University will match up to \$1000 per year, renewable for three additional years, a scholarship awarded to a student from their local United Methodist Church. The scholarship check should be mailed directly to the Hamline University Financial Aid Office and identify the student recipient. Only one contribution will be matched if a student has both a local United Methodist Church Scholarship and a National United Methodist Church Scholarship.

United Methodist Church Scholarship (National)

Please see the United Methodist Church General Board of Higher Education and Ministry's website (www.gbhem.org) and the United Methodist Higher Education Foundation website (www.umhef.org) to obtain updated information on national UMC scholarship options available to active United Methodist Church members. Financial Aid will match qualifying national scholarships up to \$1000. Only one contribution will be matched if a student has both a local United Methodist Church Scholarship and a qualifying National United Methodist Church Scholarship.

Life as a Hamline Student

Twin Cities Location

The Twin Cities of Saint Paul and Minneapolis are widely regarded as among the "most livable" in the nation. Because Hamline University is located within ten minutes of the downtown areas of these two major cities, students and faculty enjoy some of the most impressive and interesting facilities and organizations in the country.

A number of major corporations maintain world headquarters in the Twin Cities, including General Mills, 3M, Cargill, Medtronic, UnitedHealth Group, Xcel Energy, Best Buy, US Bancorp, Ameriprise Financial, Ecolab, and Target Corporation. The vitality, innovation, and leadership of these corporations, combined with the exciting entrepreneurship of hundreds of other large and small businesses, make the Twin Cities a prime source of internships during college and career employment after graduation.

In addition, Saint Paul is Minnesota's capital city, vibrant with political and governmental activity. The result is a total educational, cultural, social, and professional resource of incalculable value to students, faculty, and staff-and to the entire community.

Extraordinary benefits abound throughout the Twin Cities: fine repertory theatre, magnificent concert halls and stages, museums, and numerous art galleries, with rich and varied exhibitions. Twin Citians are among the most active and healthy people you'll find anywhere. In summer, baseball, jogging, biking, swimming, and boating; in fall, football and the Twin Cities marathon; in winter, hockey, ice skating, cross-country skiing; in spring, the whole population is outdoors enjoying hundreds of parks and thousands of lakes.

Campus Buildings

The campus in Saint Paul covers 45 attractive acres with a combination of new and old buildings set with gardens and restful areas. The central symbolic landmark of Hamline's campus is Old Main, built in 1884 and listed in the National Register of Historic Places.

University Center

New in 2012, the Anderson Center houses event and meeting venues, a meditation room, a fireplace and lounge areas, campus dining, campus life offices, a Starbucks coffee shop, a convenience store, an outdoor terrace, and underground parking. The building meets LEED silver standards and features a green roof, solar panels, high performance glass and lighting, site-harvested wood, and recycled building materials.

Classrooms and Labs

Campus facilities include, among others, technology classrooms in East Hall, the fully equipped Robbins Science Center, and architectural award-winning buildings designed for interaction-the Law Center, Bush Library, and the Giddens/Alumni Learning Center.

Bush Library

Much more than a building housing books, the Bush Library and Archives is a center for academic support and a hub of activity. The research and academic support staff located in the building work collaboratively to optimize collections, technologies, expertise, and spaces that support student learning and intellectual exploration.

The library provides quiet study spaces, group study spaces, and various forms of collaborative technologies to facilitate students working on group projects.

Librarians provide assistance to students via drop in research service and by appointment. Research expertise is also available virtually, 24 hours a day/ 7 days a week through chat service. Librarians visit classes to help students get started with their research assignments and to help students navigate the vast world of print and digital information.

A wealth of online and print resources are available to students; many of these resources are available within the building and remotely via the Internet. Other resources are provided through a consortium of Minneapolis/St. Paul academic libraries, or through an extended network of interlibrary loan arrangements with libraries throughout North America.

In addition, students can access the services of the Writing Center, Academic Success/Advising, Information Technology Services (ITS) Help Desk, and tutoring services.

Drew Fine Arts Complex

Art Gallery - Hamline's art collection includes works of early expressionists Edvard Munch and Emil Nolde; French cubists Ferdinand Leger and Marie Laurencin; Mexican muralist Diego Rivera; and abstract expressionist pieces by Arshile Gorky, Hans Hoffman, Willem deKooning, and Adolf Gottlieb. Also included are contemporary works by Andy Warhol, James Rosenquist, John Chamberlain, and Richard Stankiewicz; graphic works by Francisco Goya, Pablo Picasso, William Stanley Hayter, and Mauricio Lasansky; and Midwest artists such as Cameron Booth and Paul Manship. African art is also well represented in Hamline's collection by both recent acquisitions and a number of objects collected by a Hamline missionary in the 1890s. Art exhibitions are on campus frequently.

Anne Simley Theatre - Students of all majors may participate in theatre performances or as a part of the production crews. The 300-seat Simley Theatre is one of the best-equipped college stages in Minnesota. Our facilities include a large scene shop with equipment for both steel and wood construction, the costume shop stores hundreds of period costumes used in performances and our control booth houses state of the art lighting and sound equipment. A Studio Theatre in Drew Hall serves as the production base for a regular series of student directed one-acts and original works. In addition to theatre work, the department has a dance ensemble that performs twice a year and a small television station that produces a weekly show as well as serving as a production base for the creation of original student films.

Sundin Music Hall - Sundin Music Hall is a 315-seat concert hall featuring a German Steinway grand piano and perfect acoustics. Concerts at Sundin Hall attract people from all over the region.

Athletics and Fitness

Hamline University offers intercollegiate and intramural athletics as well as individual fitness opportunities. From team sports to individual activities, Hamline gives students the opportunity to have fun, get exercise, and form friendships outside of the residence hall and classroom.

The Lloyd W.D. Walker Fieldhouse is one of the highest quality physical activity facilities in the state. In addition to being the main home for gymnastics meets and training facilities, Walker contains three courts for basketball, tennis, and volleyball as well as a strength and fitness training center, and sports medicine center.

Students can also use the building's three racquetball courts, jogging track and swimming pool. Hutton Arena, located adjacent to Walker, is also available for use when it is not in service as the home for the volleyball and basketball teams.

Built in 2004, the Klas Center offers an improved athletic stadium, as well as learning, gathering and meeting spaces. The facility includes a synthetic playing surface for year-round usability and a state-of-the-art nine-lane track. Klas Field is the home for the football and track teams.

Patterson Field, just east of Klas, is the home field for some field events as well as the soccer and softball teams. Oscar Johnson Arena, located just a mile from campus, is the home ice for Hamline ice hockey teams.

A member of NCAA Division III and the Minnesota Intercollegiate Athletic Conference, Hamline sponsors 19 sports (Men: baseball, basketball, cross country, football, ice hockey, soccer, swimming and diving, tennis, and track and field. Women: basketball, cross country, fast pitch softball,

gymnastics, soccer, ice hockey, swimming and diving, tennis, track and field, and volleyball.)

In recent years, Hamline has seen teams win MIAC titles in baseball, cross country and ice hockey. In addition, the Pipers have had individual national champions in track and field and gymnastics. The Pipers have also produced several All-Americans and Academic All-Americans.

Campus Resources

Academic Advising

The Academic Advising office coordinates advising and serves as a resource for students and faculty advisors who have questions about progress toward graduation and related academic matters. The office also oversees new student registration, leaves of absence, and withdrawals.

If you enter Hamline as a first-year student 24 years of age or younger throughout the first term of attendance, you are required to enroll in a First-Year Seminar (FYSem). The FYSem instructor serves as your advisor through at least the first semester. If you enter as a non-traditional aged first-year student, you are assigned to an advisor in Academic Advising, or to a faculty advisor in your major department, if you have chosen a major.

If you enter Hamline as a transfer student, you are assigned a faculty advisor in your major department. If you have not chosen a major, you are assigned to an advisor in Academic Advising.

Students may change advisors at any time in accordance with their academic interests or personal preferences, with the exception that each first-year student enrolled in a FYSem must remain with the FYSem instructor throughout the first term of attendance.

The faculty advisor's role—and the goal of Hamline's advising program—is to assist students in developing and achieving their academic and career goals. The advisor is a primary resource for consultation and advice. The faculty advisors are also a valuable resource for information on courses, majors, curriculum requirements, petitions of academic policies, and other academic matters. Students must have an advisor in their major(s).

Academic Success

The Academic Success office houses a variety of support services for students surrounding their academic endeavors. Resources include:

Tutoring Program - Peer tutors recommended by faculty are available to help students in many undergraduate courses. Drop-in assistance is offered for most core courses while

one-on-one appointments can be arranged for courses that do not have drop-in sessions.

Academic Skills - Individual consultations are available to assist students with time management, critical reading, note taking, and other academic skills that contribute to their academic success at Hamline.

Writing Center - The Writing Center offers assistance to improve students' writing skills and provides help on any writing assignment. In individual appointments, trained writing consultants help students develop clarity and precision in writing.

Campus Employment

A wide variety of campus employment opportunities are available for eligible students. To be eligible for campus employment during the academic year, a Hamline University student must be degree-seeking, registered for at least half-time status for each full term worked, and eligible to work in the U.S. To be eligible for summer employment, a student must be registered for at least half-time status or pre-registered for the fall term and eligible to work in the U.S.

New incoming students who have received a state or federal work-study award are eligible to attend the Job Fair which takes place the first week of classes in Fall term. All students are eligible to work on campus; students that have a work study award are given preference to some positions on campus. There are numerous opportunities for off-campus employment in the neighboring community and in the Saint Paul/Minneapolis metropolitan area if you have a federal or state Work Study Award. Inquiries about both on and off-campus employment should be directed to the Human Resources Office.

International students may face work restrictions working on campus due to visa status or other legal considerations. The Assistant Director of International and Off Campus Programs can assist students with these questions.

Attend one of the informational sessions during Piper Preview to learn more.

Campus Recreation

Campus Recreation enhances the quality of life for students, staff, and faculty by providing a variety of programs, services, and physical spaces that promotes an active lifestyle and development of the whole person in a safe and inclusive environment. Opportunities to be involved with Campus Recreation include:

Intramural Sport - Provides a wide range of open and inclusive intramural sports leagues, tournaments and special events each semester, and are available to current Hamline

students, staff, and faculty. Activities include: volleyball, soccer, basketball, flag football, badminton, racquetball, and more.

Sport Clubs - Recognized, student lead organization, comprised of individuals sharing a common interest in competitive, recreational, and/or instructional sport activity. Sport Clubs allows students to participate and compete in a variety of sport activities at the intercollegiate club level. Sport Clubs are created and managed by students, which provides numerous learning experiences that further enhance the overall collegiate experience for those involved.

Fitness - Group fitness classes are offered multiple times each week in different formats and are accessible to individuals of all fitness levels.

For more information regarding recreation at Hamline please visit: www.hamline.edu/campusrec -or- email campusrec@hamline.edu.

Career Development Center

The Career Development Center (CDC) believes that effective career planning should begin the moment students matriculate into Hamline. Throughout the undergraduate experience, the CDC offers students a variety of services, programs and support to explore career and vocational interests, gain relevant experience, and develop the skills to compete effectively in the job marketplace or obtain admission into graduate programs. The CDC teaches a four credit career course, Piper to Professional: Essential Skills for Career Success, designed for upper division students to help them navigate the job and internship search, develop a personal brand, and gain the professional skills needed to succeed in their career. The CDC also partners with many academic departments to coordinate the Practice Interview Program, a semi-annual event that links hundreds of alumni, employers, and community members with students for practice interviewing, resume critiques, and networking. The CDC also utilizes Hamline Career Link, an online job/internship posting, recruiting and communication system which allows students to search for internships and jobs, post their resume, research employers, register for events and programs, and access CDC resource handouts. Hamline Career Link also contains Piper Connect, a database of alumni, employers, and community members available for students to contact with career-related questions. Other services provided by the CDC include career interest assessment and counseling, on-campus recruiting and job fairs, individual job search assistance, internship programs, graduate school planning, a career resource library, and career information services online at www.hamline.edu/cdc.

Commuter Student Services

Student Activities works with commuter students living off-campus in non-university housing through connecting them to involvement opportunities like student organizations and campus events. We also work closely with the Anderson front desk to provide bus passes and locker rentals within Anderson Center. The Anderson Center is also to be seen as space for commuter students to hang out between classes. They can find a microwave, many flat-screen TV's, sofas, tables and chairs, and plenty of space to relax or study.

Counseling and Health Services

The Counseling and Health Services office is located in Room 16 in the basement of Manor Hall. Appointments can be scheduled in-person, or by telephone at (651) 523-2204. Office hours are Monday through Friday, 8:00am-noon and 1:00pm – 5:00pm (closed during noon hour). The Counseling and Health Services website is: www.hamline.edu/chs.

Counseling Services - Counseling can promote personal growth and help students cope with difficulties that might adversely affect their educational goals. The mental health professionals in the Counseling & Health Services office can assist with a wide variety of concerns such as: depression, anxiety, stress, relationship problems, self-esteem, body image, grief/loss, family concerns, and identity development. The counselors can also assist with referrals for specialized treatment in the local community for issues such as substance abuse and eating disorders. Counseling services are confidential and free for Hamline undergraduate students.

Health Services - The Health Services staff offer treatment for a wide range of illnesses and injuries, immunizations, contraception, annual physical exams, STI testing, health education, psychiatric consultation, and prescriptions. All health services are confidential. For Hamline undergraduate students, there is no charge to meet with a provider. Most lab fees can be billed to students' health insurance.

All students are required to have health insurance, and will be enrolled by default into the Hamline-sponsored health insurance plan unless they opt to waive this coverage. Students who have their own insurance coverage must provide their plan information when registering through Piperline. Students who do not submit an online waiver request will be automatically enrolled in the Hamline-sponsored policy, and will be responsible for the cost of that coverage.

Disability Resources

Hamline University and the Disability Resources office are committed to ensuring equal access to the university and its programs for students with disabilities. Disability Resources coordinates and provides reasonable accommodations,

collaborates to create an accessible and hospitable learning environment, and promotes self-determination on the part of the individuals they serve. The office supports and accommodates students with physical, sensory, attentional, psychiatric, and learning disabilities.

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, as amended 2008, Hamline University shall make reasonable accommodations to any qualified individual with a disability. To be eligible for accommodations, a student must have a documented disability as defined by the Americans with Disabilities Act, as amended 2008, and Section 504 of the Rehabilitation Act of 1973. According to these laws, a person has a disability if they have a physical or mental impairment that substantially limits one or more major life activities. Major life activities include, but are not limited to, caring for oneself, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating, and working. A qualified student with a disability is defined by Section 504 as anyone who meets the academic and technical standards required for admission or participation in a post-secondary institution's programs and activities.

In order to receive reasonable accommodations, students are responsible for:

- Contacting Disability Resources to discuss their needs and/or request accommodations.
- Providing Disability Resources with appropriate information to establish the presence of a disability and/or support the need for reasonable accommodations. (For detailed information about documenting disabilities, visit www.hamline.edu/disabilityresources or contact the Disability Resources director.)
- Keeping the Disability Resources director informed and providing updated documentation if their disability or its symptoms change.
- Requesting accommodations as far ahead of time as possible. Some accommodations cannot be effectively arranged if they are requested on short notice. For example, it can take up to 4 weeks to prepare audio books.
- Discussing accommodations with faculty and staff members as needed and notifying Disability Resources right away if there are any concerns or difficulties with receiving accommodations.

Hamline University has the right to:

- Identify and establish essential elements and technical standards, abilities, skills, knowledge, and standards for courses, programs, and services.
- Request and receive recent and appropriate documentation from a qualified professional that verifies and supports the request for accommodations.

- Consult with the student in making the final determination regarding the selection of effective and reasonable accommodations.
- Make the final decision regarding which accommodations will be provided.
- Deny a request for accommodations if the documentation does not demonstrate they are warranted, or is not provided in a timely manner.
- Refuse to provide any accommodation that is unreasonable, including any that:
 - Poses a direct threat to the health and safety of the individual requesting the accommodation or of others.
 - Consists of a fundamental change or alteration of an essential element of a course or program.
 - Results in an undue financial or administrative burden on the institution.

Students seeking accommodations should contact the Director of Disability Resources at 651-523-2521.

Hedgeman Center for Student Diversity Initiatives and Programs

The Hedgeman Center for Student Diversity Initiatives and Programs helps create and sustain an inclusive community that appreciates, celebrates and advances multiculturalism and diversity at Hamline University. We support, empower, and promote the success of students of color, first-generation college students and students from other diverse populations. In partnership with community members, our initiatives help prepare students to live, serve and succeed in a global, multicultural world.

Specifically, we offer:

- Activities that assist students in their transition to, success at and education about diversity issues including Hamline, including Multicultural Mosaic pre-orientation program, the Hedgeman Student Empowerment Retreat, quarterly student empowerment workshops, the Hedgeman Honors and Awards Celebration, and the "Voice & Vision" newsletter;
- Ten student organizations that support to students and campus programming, including Multicultural Alliance, Asian Pacific American Coalition (APAC), FUSION the multi-racial and trans-racial adoptee organization, Hamline African Student Association (HASA), Hamline Indigenous Peoples Society (HIPS), Hispanic and Latino Organization (HALO), Hmong Student Association (HSA), PRIDE Black Student Alliance, Student of South Asia (SOSA), and Students for a Free Tibet (SFT);
- Traditional cultural awareness and history events, including Hispanic Heritage Month, Native American Awareness Week, Hmong New Year, Black History Month, Asian Heritage Month, Kwanzaa Celebration, and Hmong New Year;

- Numerous campus diversity training and education opportunities for students; and
- Other activities and programs that provide opportunities for participants to learn about diversity and multiculturalism issues, including the Social Justice Symposium, the Dr. Martin Luther King, Jr. Commemoration and Day of Service, monthly "This Is My Story: Conversations of Identity and Community," and the Hamline University Conference on Race & Ethnicity (HU-CORE).

Information Technology Services

Approximately 200 computers are housed in public computing labs across the campus. The labs are open 90-100 hours a week, including a 24-hour lab in Sorin Residence Hall, and provide access to the Internet and a diverse range of software applications. Secure wireless is available in all instructional areas and areas frequented by students.

Hamline's Central Service Desk, located in the Bush Library, provides a variety of services - including information and technology support - to students, faculty and staff.

Many departments utilize technology in specific ways. Examples include the Music Department's music lab with keyboards and composition software, the Physics Department's optics lab in Robbins Science, and the Digital Media Arts Program's two digital media arts (DMA) labs.

A fleet of digital imaging machines for printing, photocopying and scanning is available in computer labs and other locations across campus, and these operations are also managed by Information Technology Services. Specific information about Hamline's "PiperXpress" services is available online (www.hamline.edu/piperxpress) or via the Central Service Desk (651-523-2220).

Access to the Internet and campus network is available in all residence hall rooms either via wireless or network jack. Specific information about minimum hardware and OS requirements is available online (<http://www.hamline.edu/offices/its/get-started-guide/requirements.html>). In addition to the network jacks and wireless, every residence hall room is equipped with a cable television port.

Leadership Development and Campus Activities

The Office of Leadership Development and Campus Activities provides students with opportunities to immerse themselves in a variety of on and off-campus activities. Working collaboratively with students, staff, and faculty. The office encourages the involvement of students in co-curricular programs to complement their academic experience. Students may become engaged and empowered at Hamline through student organizations, campus recreation programs, paraprofessional activities, and campus programs.

There are over 70 clubs and organizations that students may join. Organizations cover a wide variety of interests related to the performing arts, social justice/service, publications, multicultural, special interest, club sports and academic majors. Clubs are responsible for programming a number of activities throughout the year such as speakers, concerts, movie nights, and off-campus trips. These activities are almost always free and open to all students.

The office also works to develop and recognize student leadership on the campus. The HULEAD (How You Lead, Emerge and Develop) programs and the Women's Leadership Retreat are just some of the leadership development programs aimed at students who are looking to develop their leadership skills and get more involved on campus. Students can also be involved with the Hamline Undergraduate Student Congress (HUSC). HUSC works with faculty, staff, and administration to make sure students voices are heard. There are approximately 30 elected and appointed positions within HUSC including an executive board, representatives from each class, student of color representatives, commuter representatives, nontraditional student representatives, and an international student representative.

Lastly, through programs and events coordinated by the Hamline University Programming Board (HUPB), the Office offers additional opportunities for students to get involved on campus through small and large scale events, both on and off campus that are social and educational. Events offered by HUPB include a monthly coffeehouse series, Welcome Week, Homecoming activities, Annual Spring Formal Dance, and the Annual End of the Semester and End of the Year Parties.

Residential Life

All of Hamline's residence halls are coeducational and managed by a degreed, professional coordinator who lives in the hall and is trained to work with student concerns and enrich the residential experience. Assistant coordinators and resident advisors are trained student staff who are carefully selected and assigned to each floor or wing to act as peer liaisons.

The Charles M. Drew residence hall has a capacity of 230 and houses first year and returning students in addition to our transfer student community. Drew Hall also offers a GLBT & Social Justice theme floor. Manor House provides housing for 140 students and is next to Sorin Hall, which has single gender floors, houses 110 students and is barrier free. Schilling, Osborn, and Peterson Halls house nearly 100 first year students each. Special Interest Housing is available to all students, they include: Substance Free/Wellness and Quiet Lifestyle floor.

In addition to traditional residence hall living, the on-campus apartment building offers the convenience of residential living

with the luxuries of apartment style furnishings and space. The apartment building houses graduate students, sophomores, juniors and seniors. Each apartment houses between one and four residents, and features a bathroom, kitchen, living room, and the option of shared or private bedrooms. Apartments are fully furnished and cable television, internet, and laundry services are included without additional fees.

When it comes to food on campus, there are a variety of meal plans to choose from. Detailed information about meal plans and declining balance can be found on the dining services website at www.hamline.campusdish.com and in the Hamline Housing Contracts. There are several various types of dining options on campus, all with different menus and hours of service. Students are encouraged to play an active role in dining services. Comment cards, online postings, dining surveys and food committee meetings all encourage feedback which is used to provide great food and make lasting memories. For more information, please visit us at www.hamline.campusdish.com. Welcome to our kitchen!

Leadership opportunities are also available in the residence halls through participation in Hall Councils. Hall Councils offer an opportunity for residents to develop social, recreational, and educational activities, assist in establishing policies that are in the best interest of all residents, and act as an advocate of residents' needs.

Whether students choose to become actively involved in Hall Councils, participate in floor activities, or simply enjoy the privacy of their rooms, the residence hall experience is designed to enhance their academic development and progress at Hamline.

ROTC

Hamline University enrolls students who participate in ROTC (Air Force ROTC at the University of St. Thomas and Army ROTC at the University of Minnesota). ROTC programs require enrollment at the University of St. Thomas or the University of Minnesota for ROTC-sponsored courses. For ROTC information call St. Thomas at 651-962-6320 or 1-800-328-6819, ext. 6320 or the University of Minnesota at 612-625-3062.

Safety and Security

The Office of Safety and Security Services is open 24 hours a day serving the campus community. The office is located in 128 Drew Hall and is staffed by 20 professionals and approximately 15 student staff. Professional staff includes a director, one assistant director, office manager, investigator, three supervisors, patrol officers and two dispatchers.

Additionally, students also serve in positions as dispatchers and student security officers. The office is responsible for the general safety and security of the Hamline University campus

and is the first to respond for emergencies until assistance is available by police, fire, or medical emergency agencies. All Officers are EMR trained.

Student Affairs Division and the Dean of Students Office

Student Affairs Division - Student Affairs has the primary responsibility for making the out-of-classroom environment an integral aspect of students' education. This is done through the work of student affairs professionals who understand the development of college students and are committed to enriching the lives of Hamline students. This group of professionals anticipates and manages the daily activities of the students that constitute the following areas of responsibility in Student Affairs: the Career Development Center, Counseling & Health Services, the Dean of Students Office, Disability Resources, Residential Life, Student Leadership and Activities, the Wesley Center for Spirituality, Service, and Social Justice, the Bookstore, and Dining Services.

Dean of Students Office - The Dean of Students Office assists students in achieving their academic and personal goals. Office staff answer questions and help resolve issues or concerns when appropriate. Additionally, they refer students to the various departments, offices, or community resources that can best serve them and meet their needs. The Dean of Students Office serves as the point of contact for students who want to talk about issues of policy or procedure, or who have questions or complaints about issues regarding their student experience. Staff in the Office will use a case management system or will serve as student advocates to help resolve issues. The Dean of Students Office serves as the point of contact for students who want to talk about issues of harassment and discrimination. The staff members of the Dean of Students Office review and formulate policies that pertain to students, their rights, and their services. The staff is committed to being a resource for parents by providing outreach to parents, and by assisting them in realizing the campus resources available to their students. The Dean of Students Office also oversees student conduct, Parent/Family Weekend, the Bookstore and Dining Services. The Office provides specialized support services and programs for transfer students, first-generation college students, and veteran students, and also provides the Sophomore Experience and student financial literacy programming. This office is also the contact for undergraduate emergency loans. The Dean and his staff serve as the main administrative contacts for students.

Veterans Affairs

Located on the lower level (HUB) of the Bush Center, the Veterans Support Center seeks to help veterans become successful students at Hamline University. This center assists veterans to find the help they need to understand their financial aid award, how student billing works in relation to accessing your federal funding, to understand Hamline University policies, and to utilize campus resources and support.

The Dean of Students Office oversees the Veterans Support Center. In addition, we have a Veterans Affairs committee of dedicated professional staff and faculty who are familiar with services needed by veterans. Questions and procedures for undergraduate and graduate veterans and veterans' dependents can be answered by the Dean of Students Office (651-523-2421).

For additional information, please visit Hamline Veterans' Affairs at www.hamline.edu/veterans.

Wesley Center for Spirituality, Service and Social Justice

How can you make a difference in the world that will serve the common good? How can you work with others for social justice in our communities? Are you interested in exploring interfaith perspectives and growing in your spirituality? Our programs focus on one, two, or all three of these questions. The Wesley Center for Spirituality, Service and Social Justice offers students opportunities to lead and serve through the following programs:

Catalyst Alternative Spring Break Trips - Catalyst uses direct service to investigate questions of social justice and community. These trips are designed to provide students with an opportunity to participate in community service projects over spring break. Each trip is led by student leaders and supported by staff resource persons.

Community Service Advising - Support for students and/or student organizations who seek to engage in community service. Stop by or schedule an appointment to learn more about community partners and/or community service opportunities.

Hamline to Hamline Collaboration - The Hamline to Hamline Collaboration is an over 125 year relationship between Hamline Elementary and Hamline University. University students can volunteer, earn work study, and participate in academic opportunities at the elementary school. Over 100 university students, with a variety of majors, are involved each year.

LEAP into St. Paul - LEAP into St. Paul is an annual orientation program which introduces first-year students to opportunities for community engagement within surrounding neighborhoods and communities. Each First Year Seminar group travels to an off-campus location to participate in a half-day of community service together.

Mahle Lecture in Residence - Each year a progressive religious scholar is invited to campus for several days of speaking and teaching in our community, so that we have the chance to interact with the scholar in a personal way.

McVay Youth Partnership - An after-school program in which Hamline students serve as mentors and role models working with urban middle and high school youth three afternoons per week in partnership with area churches and community centers. Fellows and Interns provide homework help, lead theme-based programming, recreation, cooking, music, and crafts.

Religious and Spiritual Advising - For students seeking a more personal connection to talk about religious questions, find support for new understandings, and explore their Hamline experience from spiritual perspectives. Religious and Spiritual Life staff seeks to support all students, while bringing particular experience from Jewish, Christian and Islamic traditions.

Spirituality Scholars - This weekly stipended program brings an interfaith group of students together over the course of nine months to explore their spiritual journeys in connection with their identities and hopes for the future.

Women's Resource Center

The Women's Resource Center (WRC), established in 1983, is a place for Hamline students of all genders to work toward a socially just world. The WRC exists to:

- Provide student access to resources that improve the holistic health, safety, and well-being of women and their allies
- Facilitate intersectional campus education on topics of women's health, relationships, professional pursuits, gender equity, and other social justice issues affecting women
- Serve as a safe space where Hamline students, staff, and faculty can build collaborative community and develop feminist leadership skills
- Promote the advancement and equitable treatment of women on campus and beyond

Past WRC activities include guest speakers, reading and discussion groups, community service projects, the celebration of Women's History Month, as well as special programs and events such as the Take Back the Campus rally.

Student Organizations and Special Programs for Students

Annual Events and Convocations

During the course of each year, Hamline hosts a wide range of events, bringing in well-known speakers to address specific themes and issues. Many of these events are held during the weekly convocation hours on Tuesday and Thursday mornings, during which no classes are scheduled, to enable students to attend these special programs. Some of the events include:

- Commitment to Community Lecture Series
- Mahle Lecture in Progressive Christian Thought
- Hamline University Symposium on the Humanities
- Hanna Lecture in Philosophy
- Howard W. Alkire Symposium in International Business and Economics
- International Roundtable Series
- Kay Malmstrom Lecture in Physics
- National Mock Trial Tournament
- Phi Beta Kappa Visiting Scholar Series
- Seminar in Contemporary Religious Thought
- 3M/Ronald A. Mitsch Lecture in Chemistry

Student Congress

Hamline Undergraduate Student Congress (HUSC) is the undergraduate student governing body. Any Hamline undergraduate student may speak on issues before Congress, whether or not one is an elected representative. Some of HUSC's responsibilities are to allocate student activities fees to fund campus organizations, appoint student representatives to the standing committees of the university to ensure student input into matters of campus governance, to serve as the official "voice" of undergraduate college students on issues of campus-wide importance, and to pass legislation referred to it by student groups, the faculty, or an administrative body.

Student Organizations

Student organizations sponsor a variety of activities on campus. The Office of Leadership Development and Campus Activities supports and works with student groups, but all the groups exercise a great deal of autonomy and are, in fact, the students' organizations. Listed below are a few of the undergraduate student groups at Hamline University.

Departmental

Anthropological Society
Forensic Sciences Society
Mock Trial Team
Model United Nations (HUMUN)

Arts and Literature

A Cappella Choir
Fulcrum (literary)

Jazz Ensemble
Oracle (newspaper)
Hamline University Radio Station
Wind Ensemble
Women's Chorale

Cultural

Hamline African Student Association
HALO (Hispanic and Latino Organization)
Asian Pacific American Coalition
Hmong Student Association
International Student Organization
FUSION
PRIDE (African-American student group)

Honoraries

Alpha Kappa Delta (sociology, social research, social service)
Beta Beta Beta (biology)
NRHH (National Residence Hall Honorary)
Omicron Delta Kappa (leadership)
Phi Beta Kappa (honorary scholastic fraternity)
Pi Epsilon Delta (National Collegiate Players)
Pi Gamma Mu (social science)
Pi Lambda Theta
Psi Chi (psychology)
Sigma Delta Pi (Spanish)
Sigma Tau Delta (English)
Torch and Cycle (scholarship, leadership, service)

Advocacy

Commitment to Community
Habitat for Humanity
Hamline College Democrats
Hamline College Republicans
Hand in Hand (Hamline Elementary School)
Hamline University Student Congress (HUSC)
MPIRG
Spectrum (GLBT student group)
Women's Resource Center

Social/Recreational

Delta Tau Sorority
Hamline Outdoor Recreation Club
Hamline University Anime and Manga Club
Theta Chi Fraternity
Women's Lacrosse Club

Spiritual/Religious

Better Together - National interfaith movement for community service
Gospel Choir
Jewish Student Life
Mindfulness meditation
Multi-Faith Student Alliance
Muslim Students Association (MSA)

Values in Action - Service opportunities for secular/non-theistic students

Student Publications

Three publications offer students hands-on experience in journalism and photography. Hamline students publish the *Fulcrum*, art and literature review; the *Oracle*, the newspaper for the campus; and the *Liner*, the undergraduate yearbook.

Faculty

Full-Time Undergraduate Faculty

For the academic year 2016-2017

Year following name is first year of appointment.

*Indicates part-time.

Hossein Akhavi-Pour, 1982-1988*, 1988

Professor, Hamline School of Business
BA 1969, Faculty of Law, University of Tehran
MA 1975, Economics, Kansas State University
PhD 1980, Economics, Kansas State University

Peggy Andrews, 2011

Lecturer, Hamline School of Business
BA 1989 Theology/Family & Consumer Science, Ambassador University
MA 1999, Human Development, St. Mary's University
PhD 2010, Education & Human Development, University of Minnesota

Stephen Arnott, 2008

Associate Professor of Legal Studies, Director of Graduate Legal Education
BA 1981, Political Science, University of Tasmania
JD 1994, William Mitchell College of Law

Jerry Artz, 1977

Professor of Physics
BS 1965, Electrical Engineering, University of Cincinnati
MS 1966, Electrical Engineering, Stanford University
PhD 1974, Physics, Florida State University

Erik Asp, 2015

Assistant Professor of Psychology
BA 2003, Biology and Psychology, St. Olaf College
PhD 2012, Neuroscience, University of Iowa

Aida Audeh, 2002

Professor of Art History and Chair of Studio Arts and Art History
BA 1985, Philosophy and Psychology, Cornell College
JD 1988, University of Iowa College of Law
MA 1995, Art History, University of Iowa
PhD 2002, Art History, University of Iowa

Allison Baker, 2015

Assistant Professor of Art
BA 2012, Gender Studies, Indiana University
BFA 2012, Sculpture, Indiana University
MFA 2015, Sculpture, Rhode Island School of Design

Letitia Basford, 2008

Associate Professor, Hamline School of Education
BA 1995, International Relations, University of Minnesota
MA 2000, Special Education, San Francisco State University
PhD 2008, Curriculum Instruction and Second Languages and Cultures, University of Minnesota

Andrea Bell, 1991

Professor of Modern Languages and Literatures
BA 1982, Foreign Languages and Literature: Spanish and German, Whitman College
MA 1984 and 1985, Spanish and Latin American Studies, Stanford University
PhD 1991, Spanish, Stanford University

Colleen Bell, 1990

Professor of Women's Studies and Conflict Studies
Certificate in Dispute Resolution, 1998, Hamline University
BS 1975, Child Development, Iowa State University
MS 1979, Child and Family Studies, University of Wisconsin-Madison
PhD 1986, Educational Policy Studies, University of Illinois-Urbana-Champaign

Michelle Benegas, 2015

Assistant Professor, Hamline School of Education
BA 2000, Spanish, University of Saint Thomas
MA 2003, Education, Hamline University

David M. Berg, 2009

Associate Professor, Hamline School of Business
Director of MBA
BA 1981, Mathematics, St. Olaf College
MIBS 1984, International Business Studies, University of South Carolina
PhD 1998, Business Administration, University of Minnesota

Mark Berkson, 2000

Professor and Chair of Religion
BA 1987, Public and International Affairs, Princeton University
MA 1992, East Asian Studies, Stanford University
PhD 2000, Religious Studies, Stanford University

Katharine Bjork, 2002

Professor of History
BA 1985, English, University of California, Berkeley
MA 1989, History, University of Chicago
PhD 1998, History, University of Chicago

Bruce Bolon, 2002

Associate Professor and Chair of Physics
BS 1991, Physics, Southwest Missouri State University
MS 1994, Experimental Condensed Matter Physics, Iowa State University
PhD 2000, Theoretical Plasma Physics, University of Missouri-Columbia

Stacie Bosley, 2012

Assistant Professor, Hamline School of Business
BBA 1994, Finance, University of Wisconsin-Madison
PhD 2001, Applied Economics, University of Minnesota

John Brandon, 2012

Assistant Professor of Creative Writing
BA 1999, University of Florida
MFA 2001, Washington University

James Brickwedde, 1995*, 2011

Assistant Professor, Hamline School of Education
BA 1977, Environmental Design and Planning, State Universities of New York-Buffalo
MSE 1993, Elementary Education, University of Wisconsin-River Falls
PhD 2011, Mathematics Education, University of Minnesota

Kathryn Burleson, 2009

Senior Lecturer of Biology
BA 1999, Biochemistry, College of St. Scholastica
PhD 2004, Molecular, Cellular, Developmental Biology, and Genetics, University of Minnesota

K. Valentine Cadieux, 2015

Assistant Professor of Anthropology
Director of Environmental Studies and Sustainability Programs
AB 1998, Visual and Environmental Studies, Harvard and Radcliffe Colleges
MA 2001, Geography and Planning, University of Toronto
PhD 2006, Geography and Planning, University of Toronto

Shannon Cannella, 2015

Lecturer of Chinese
BA 1991, Chinese and Speech-Communication, University of Minnesota
MA 1997, Modern Chinese Language and Literature, Columbia University
PhD 2014, Modern Chinese Language and Literature, Columbia University

Jennifer Carlson, 2006

Associate Professor, Hamline School of Education
BS 1991, Winona State University
MS 1998, Minnesota State University, Mankato
PhD 2001, University of Wisconsin, Madison

Valerie Chepp, 2014

Assistant Professor of Sociology
BA 2001, Sociology and Women's Studies, University of Wisconsin
MA 2004, Social Sciences, University of Chicago
MA 2009, Sociology, University of Maryland
PhD 2014, Sociology, University of Maryland

George Chu, 1979

Professor of Music
Choral Director
BA 1969, Romance Languages and Literature, Yale University
MM 1976, Choral Conducting, Indiana University
DM 1979, Choral Conducting, Indiana University

Verna Corgan, 1989

Associate Professor of Communication Studies
BA 1984, Speech Communications, University of Minnesota
MA 1986, Speech Communications, University of Minnesota
PhD 1992, Speech Communications, University of Minnesota

David Davies, 2002

Professor of Anthropology
BA 1991, Anthropology and East Asian Studies, Hamline University
MA 1997, Anthropology, University of Washington
PhD 2002, Anthropology, University of Washington

Kristina Deffenbacher, 1998

Professor and Chair of English
BA 1991, English, Carleton College
Graduate Certificate in Gender Studies 1998, University of Southern California
PhD 1998, English, University of Southern California

Veena Deo, 1991

Professor of English
BA 1969, English, Fergusson College
MA 1971, English, University of Poona
PhD 1989, English, University of Kentucky

Leila DeVriese, 2008

Associate Professor and Chair of Global Studies
MA 1996, Political Science, University of Toronto
PhD 2002, Political Science, Concordia University, Montreal

Dorothee Dietrich, 1990

Professor of Psychology
BA 1984, Psychology, California State University-Humboldt
MA 1987, Psychology, University of Wisconsin-Madison
PhD 1990, Psychology, University of Wisconsin-Madison

Lifeng Dong, 2015

Associate Professor of Physics
Emma K. and Carl R. N. Malmstrom Endowed Chair in Physics
BS 1993, Mechanical Engineering, Qingdao University of
Science & Technology, Shandong, China
MS 1996, Materials Science & Technology, Qingdao University
of Science & Technology, Shandong, China
MS 2002, Physics, Portland State University
PhD 2005, Physics, Portland State University

Verne Dusenbery, 1992

Professor of Anthropology
AB 1973, Anthropology, Stanford University
AM 1975, Anthropology, University of Chicago
PhD 1989, Anthropology, University of Chicago

Jennifer Dysterheft, 2016

Assistant Professor of Biology
BS 2011, Exercise Science, Minnesota State University,
Mankato
MS 2013, Exercise Physiology, Minnesota State University,
Mankato
PhD 2016, Kinesiology, University of Illinois, Urbana-
Champaign

M Sheridan Embser-Herbert, 1995

Professor and Chair of Sociology
BA 1978, Sociology, The George Washington University
MA 1990, Sociology, University of Massachusetts-Amherst
PhD 1995, Sociology, University of Arizona
JD 2004, Hamline University

Rachel Endo, 2010

Associate Professor and Chair, Hamline School of Education
BS, Political Science, University of Nebraska at Omaha
MPA, Public Management, University of Nebraska at Omaha
MA, Secondary Education/Instructional Technology, University
of Nebraska at Omaha
PhD, Education, University of Illinois at Urbana-Champaign

Jennifer England, 2016

Assistant Professor of English
BA 2009, Magazine Journalism, Ohio University
PhD 2016, Rhetoric and Professional Communication, New
Mexico State University

Gina A. Erickson, 2013

Assistant Professor of Criminal Justice and Forensic Science
BA 2002, Luther College
MA 2004, University of Iowa
PhD 2012, University of Minnesota

Michael Farris, 1987-88*, 1988

Professor of Biology
BS 1978, Botany, Miami University
MS 1981, Botany, Ohio State University
PhD 1985, Biology, University of Colorado

Jeff Fink, 2009

Lecturer, Hamline School of Education
BS 1976, University of Minnesota
MA 1984, University of Saint Thomas

Kenneth Fox, 1996

Professor, Hamline School of Business
Senior Fellow, Dispute Resolution Institute
BA, 1979, Rhetoric, University of California, Davis
JD, 1985, Lewis and Clark Law School

Patricia Weaver Francisco, 1988-2011*, 2011

Professor of Practice, Creative Writing
BA 1973, University of Michigan

Gary Gabor, 2012

Assistant Professor of Philosophy
BA 2002, Mathematics and Philosophy, Boston College
MA 2005, Philosophy, Fordham University
PhD 2011, Philosophy, Fordham University
Doctoral Certificate in Medieval Studies 2001, Fordham
University

George Gaetano, 1999

Associate Professor of Communication Studies
BA 1977, Communication, Hunter College
MA 1979, Speech-Communication, University of Minnesota
PhD 1995, Speech-Communication, University of Minnesota

Kathryn Geurts, 2002

Professor of Global Studies
BA 1984, Sarah Lawrence College
MA 1991, Anthropology, University of Pennsylvania
PhD 1998, Anthropology, University of Pennsylvania

Sayonita Ghosh Hajra, 2016

Assistant Professor of Mathematics
BSc 2003, Mathematics, University of Calcutta
MA 2009, Mathematics, University of Toledo
MA 2014, Mathematics Education, The University of Georgia
PhD 2014, Mathematics, The University of Georgia

Jodi Goldberg, 2003

Professor of Biology
BA 1989, Biology, Macalester College
PhD 1998, Immunology, Stanford University

Janet Greene, 1998

Associate Professor and Chair of Music
BA 1978, Music, Smith College
MM 1982, Performance, Manhattan School of Music
DMA 1996, Performance, Rutgers University

Sarah Greenman, 2014

Assistant Professor of Criminal Justice and Forensic Science
BA 2002, Psychology, Carlton College
MA 2010, Criminology and Criminal Justice, University of Maryland
PhD 2014, Criminology and Criminal Justice, University of Maryland

Arthur Guetter, 1987

Professor and Chair of Mathematics
BA 1981, Mathematics, Macalester College
MA 1983, Mathematics, Northwestern University
PhD 1987, Mathematics, Northwestern University

Joshua Gumiela, 2014

Assistant Professor of Digital Media Arts
BA 2003, Radio-Television, Southern Illinois University
MFA 2011, Media Arts, Southern Illinois University

Elizabeth Gunderson, 1980

Professor, Hamline School of Business
Director of Undergraduate Programs
BAS 1976, University of Minnesota
MBA 1981, College of St. Thomas
PhD 1991, Management, The Union Institute

James Hagen, 2008

Professor, Hamline School of Business
AB 1974, Economics, University of Michigan
MS 1988, Agricultural and Applied Economics, University of Minnesota
PhD 1997, International Business, University of Illinois

Leondra Hanson, 2008

Associate Professor of Legal Studies
BA 1995, Political Science, Concordia College
JD 1999, University of Minnesota

Glenn Hardin, 2008

Professor of Practice, Criminal Justice and Forensic Science
BS 1984, Chemistry, University of California at Berkeley
MPH, 1988, Forensic Science, University of California at Berkeley

Leif Hembre, 2001

Professor and Chair of Biology
BA 1993, Biology, St. Olaf College
MS 1997, Ecology, Evolution, and Behavior, University of Minnesota
PhD 2001, Ecology, Evolution, and Behavior, University of Minnesota

Sarah Hick, 2007

Assistant Professor, Hamline School of Education
BA 1992, Political Science, Grinnell College
MES 1996, Ecosystem Science Management, Yale University
PhD 2008, Curriculum and Instruction in Science, University of Minnesota

Margaret Hobday, 2006

Associate Professor and Chair of Legal Studies, Paralegal Program Director
BA 1992, Liberal Studies (Great Books) and Spanish, University of Notre Dame
JD 1995, University of Minnesota

Brian Hoffman, 2002

Associate Professor and Chair of Anthropology
BA 1983, Anthropology, Augsburg College
MA 1994, Anthropology, University of Wisconsin-Madison
PhD 2002, Anthropology, University of Wisconsin-Madison

Nancy Holland, 1981

Professor and Chair of Philosophy
BA 1969, Philosophy, Stanford University
PhD 1981, Philosophy, University of California-Berkeley

David Hudson, 1989-99*, 1999

Professor of English
BA 1979, English and Journalism, University of Minnesota
MA 1987, English, University of Minnesota
PhD 1994, English, University of Minnesota

Samuel Imbo, 1996

Professor of Philosophy
BA 1985, Philosophy and Linguistics, University of Nairobi
MA 1990, Philosophy, Purdue University
PhD 1995, Philosophy, Purdue University

Suda Ishida, 2002

Professor of Communication Studies
Chair of Certificate in International Journalism Program
BA 1988, English, Chiang Mai University, Thailand
MA 1996, International Communication, Macquarie University, Sydney, Australia
PhD 2002, Mass Communication, University of Iowa

Deborah Keenan, 1988-1995*, 1995
Professor of Creative Writing
BA 1974, English, Macalester College

Stephen H. Kellert, 1994
Professor of Philosophy
BA 1985, Physics and Philosophy, Yale University
MA 1989, Philosophy, Northwestern University
PhD 1990, Philosophy, Northwestern University

Kaori Kenmotsu, 2007
Senior Lecturer of Theatre Arts
BA 1993, Japanese and History, University of Minnesota
MFA 2002, Choreography and Performance, University of Wisconsin-Milwaukee

Serena King, 2005
Associate Professor of Psychology
BA 1998, University of Michigan, Dearborn
MA 2002, PhD 2005, University of Minnesota

Kim Koeppen, 2004
Professor, Hamline School of Education
BA 1984, Political Science, Iowa State University
MS 1991, Curriculum and Supervision, Northern Illinois University
PhD 1996, Curriculum, University of Iowa

Jeanne Kosieradzki, 1992-96*, 1996
Professor of Legal studies
BS 1986, Paralegal Studies, Winona State University
JD 1991, William Mitchell College of Law

Marcela Kostihová, 2004
Professor of English
BA 1998, English and German, North Central College
PhD 2004, English Literature, University of Minnesota

Maria Jesus Leal, 2006
Associate Professor and Chair of Modern Languages and Literatures
BA 1998, English, University of Valladolid, Spain
MA 1995, Hispanic Philology, University of Valladolid, Spain
PhD 2007, Comparative Hispanic and English Linguistics, University of Valladolid, Spain

Ryan LeCount, 2012
Assistant Professor of Sociology
BA 2003, Indiana University
MS 2006, Purdue University
PhD 2014 Purdue University

J. Dan Lehmann, 2010
Senior Lecturer, Hamline School of Business
BS 1974, Agricultural Science, University of Illinois
MS 1975, Agricultural Economics, University of Illinois
PhD 1982, Finance, University of Illinois

Carolyn Levy, 1994-99*, 1999
Professor of Theatre Arts
AB 1973, Theatre Arts, Cornell University
MFA 1976, Directing, University of Wisconsin-Madison

Joe Lewis, 2006
Assistant Professor, Hamline School of Education
BA 1989, Grinnell College
MA 1999, University of Wisconsin-Milwaukee
EdD 2006, Columbia University Teachers College

William Lindquist, 2008
Assistant Professor, Hamline School of Education
BA 1976, Augsburg College
MA 1993, University of Saint Thomas
PhD 2001, University of Minnesota

Curtis Lund, 2016
Assistant Professor, Digital Media Arts
BFA 2001, Graphic Design, Iowa State University College of Design
MFA 2015, Design, University of Minnesota College of Design

Ann Mabbott, 1995
Professor, Hamline School of Education
BA 1973, College of Wooster
MA 1974, University of Wisconsin-Madison
PhD 1995, University of Minnesota

Rita Majerle, 2002
Associate Professor and Chair of Chemistry
BS 1978, Chemistry and Biology, University of Minnesota-Duluth
PhD 1989, Synthetic Organic Chemistry, University of Minnesota-Minneapolis

Irina Makarevitch, 2007
Associate Professor of Biology
BS 2000, Molecular Biology, Novosibirsk State University
MS 2002, Agronomy and Plant Breeding/Plant Molecular Genetics, University of Minnesota
PhD 2005, Agronomy and Plant Breeding/Plant Molecular Genetics, University of Minnesota

Kristin Mapel Bloomberg, 2001

Professor of Women's Studies
Hamline University Endowed Chair in the Humanities
BA 1989, English and Philosophy, Hamline University
MA 1992, English, St. Cloud State University
PhD 1998, English, University of Nebraska-Lincoln

Presley Martin, 1996

Professor of Biology
BS 1971, Biology, Indiana University
PhD 1978, Biology, Johns Hopkins University

Betsy Martinez-Vaz, 2006

Associate Professor of Biology
BS 1995, Chemistry, Universidad del Turabo
PhD 2001, Biochemistry, University of Minnesota

Larry Masterson, 2012

Assistant Professor of Chemistry
BS 2003 (A.C.S. Certification), University of Wisconsin La
Crosse
PhD 2008, Chemistry, University of Minnesota

John Matachek, 1984

Professor of Chemistry
BA 1979, Chemistry, University of Minnesota
PhD 1984, Inorganic Chemistry, Iowa State University

John Mazis, 2000

Professor of History
BA 1989, History, University of Minnesota
MA 1993, History, University of Minnesota
PhD 1998, History, University of Minnesota

Aaron McKain, 2011

Assistant Professor of English
BA 1988, English and Political Science, University of Nebraska
MA 2004, English, Ohio State University
MSL 2012, Law, Ohio State University
PhD 2012, Ohio State University

Anne M. McCarthy

Professor, Hamline School of Business
AB 1980, Economics, Georgetown University
MBA 1986, Accounting, University of Connecticut
PhD 1992, Strategic Management, Purdue University

Kim McKeage, 2010

Associate Professor, Hamline School of Business
BA, 1984, Mathematics, Mississippi University for Women
MS, 1988, Accounting, Oklahoma State University
MA, 2011, Women's Studies, Southern Connecticut State
University
PhD, 1996, Business Administration - Marketing, University of
Massachusetts/Amherst

Jane McPeak, 1992

Associate Professor, Hamline School of Business
BA 1969, St. Mary's College, Notre Dame
JD 1977, William Mitchell College of Law

Lewis Messenger, Jr., 1984-88*, 1988

Professor of Anthropology
BA 1971, History, Hiram College
MA 1975, Anthropology, Universidad De Las Americas
PhD 1984, Anthropology, University of Minnesota

Navid Mohseni, 1989

Professor of Sociology
BS 1978, Accounting, Tehran Business College
MA 1981, Economics, University of Kentucky
PhD 1990, Sociology, University of Kentucky

Susan Thurston Myster, 1990-96*, 1996

Professor of Anthropology
BA 1984, Anthropology, Hamline University
MA 1989, Bioarchaeology, University of Tennessee
PhD 2001, Forensic Anthropology, University of Tennessee

Paula Mullineaux, 2009

Associate Professor of Psychology
BA 1998, Psychology, Indiana University Southeast
MA 2003, Psychology-Brain and Cognitive Sciences Program,
Southern Illinois University
PhD 2006, Psychology-Brain and Cognitive Sciences Program,
Southern Illinois University

Rebecca Neal, 2015

Assistant Professor, Hamline School of Education
BS 1993, Special Education, Hampton University
MEd 1994, Special Education, College of William and Mary
PhD 2014, Special Education, Arizona State University

Kris Norman-Major, 2002

Professor, Hamline School of Business
BA 1987, Political Science and Business, Hamline University
MA 1990, Public Affairs, University of Minnesota
PhD 1996, Political Science, Vanderbilt University

Sheila O'Connor, 2012

Associate Professor of Creative Writing
BA 1982, English, University of Minnesota
MFA 1986, Poetry, Iowa Writers Workshop

Deanna O'Donnell, 2011

Assistant Professor of Chemistry
BS 2005, McMaster University
PhD 2010, University of Notre Dame

Mark Olson, 1994-97*, 1997

Professor of English
BA 1977, English and Philosophy, University of Wisconsin,
LaCrosse
MA 1981, English, University of Minnesota
PhD 1999, English, University of Minnesota

Matthew Olson, 1977

Professor of Psychology
BA 1973, Psychology, University of California-Davis
PhD 1977, Experimental Psychology, University of Michigan

Alina Oxendine, 2005

Associate Professor and Chair of Political Science
BA and MA 1997, International Studies, Political Science,
Emory University
PhD 2007, Political Science, University of Minnesota

Binnur Ozkececi-Taner, 2008

Associate Professor of Political Science
BA 1998, International Relations, Middle East Technical
University
MA 1999, Peace Studies, University of Notre Dame
PhD 2004, Political Science, Syracuse University

Patricia Palmerton, 1985

Professor of Communication Studies
BA 1972, Psychology, Macalester College
MA 1979, Speech Communication, University of Minnesota
PhD 1984, Speech Communication, University of Minnesota

Robin Hornik Parritz, 1992

Professor and Chair of Psychology
BA 1983, Psychology, Brandeis University
PhD 1989, Clinical Psychology, University of Minnesota

Angela Pelster-Weibe, 2015

Assistant Professor of Creative Writing
BA 2008, Drama and English, University of Alberta
MFA 2012, Nonfiction Writing, University of Iowa

Joseph Peschek, 1987

Professor of Political Science
BA 1974, Political Science, University of Washington-Seattle
PhD 1984, Political Science, University of Massachusetts-
Amherst

Jillian Peterson, 2015

Assistant Professor of Criminal Justice and Forensic Science
BA 2003, Sociology, Grinnell College
MA 2009, Social Ecology, University of California, Irvine
PhD 2012, Psychology and Social Behavior, University of
California, Irvine

Bonnie Ploger, 1995

Professor of Biology
BA 1981, Biology, Mount Holyoke College
MS 1985, Zoology, University of Oklahoma
PhD 1992, Zoology, University of Florida

Sharon Preves, 2001

Professor of Sociology
BA 1991, Psychology and Sociology, Hamline University
PhD 1999, Sociology and Feminist Studies, University of
Minnesota

Jack Reardon, 2008

Professor, Hamline School of Business
BA 1981, Economics, College of the Holy Cross
MA 1984, Economics, University of Notre Dame
PhD 1991, Economics, University of Notre Dame

Michael Reynolds, 2001

Professor of English
BA 1989, English, St. Lawrence University
PhD 2000, English, University of Southern California

Mary Rockcastle, 1991

Associate Professor and Director of The Creative Writing
Programs
BA, Douglass College
MA 1980, University of Minnesota

Marcia Rockwood, 1999

Assistant Professor, Hamline School of Education
BS 1974, St. Cloud State University
MA 1982, University of Minnesota

Ioannis Roussos, 1990

Professor of Mathematics
BS 1977, Mathematics, University of Athens
MS 1982, Mathematics, University of Minnesota
PhD 1986, Mathematics, University of Minnesota

Robert L. Routhieaux, 2006

Associate Professor, Hamline School of Business
Director of Nonprofit Management Programs
BS 1987, Business Administration, California State University,
Chico
MS 1993, Management and Policy, University of Arizona
PhD 1995, Organizational Behavior/Human Resource
Management, University of Arizona

Andrew Rundquist, 2000

Professor of Physics
BA 1993, Physics, College of St. Benedict/St. John's University
MS 1995, Physics, Washington State University
PhD 1998, Physics, Washington State University

David Ryan, 2012

Assistant Professor and Chair of Digital Media Arts
BA 1982, Communications and Theatre Arts, Taylor University
MFA 1987, Film, Ohio University

Shelly Schaefer, 2011

Assistant Professor and Chair of Criminal Justice and Forensic
Science
BA 2000, Psychology, Sociology, University of Minnesota
MA 2007, Psychology, Sociology, University of Minnesota
PhD 2011, Psychology, Sociology, University of Minnesota

Jim Scheibel, 2006*

Professor of Practice, Hamline School of Business
BA 1969, St. John's University
MPA 2014, University of Minnesota

John-Mark T. Schlink, 2012

Lecturer in Studio Arts
BA 1991, Studio Arts, Hamline University
MFA 2000, University of Nebraska-Lincoln

Nicholas Schlotter, 2002

Associate Professor of Chemistry
BA 1974, Chemistry, Carleton College
MS 1978, Physics, Chemistry, Stanford University
PhD 1979, Physics, Chemistry, Stanford University

David Schultz, 1999

Professor of Political Science
BA 1980, SUNY Binghamton Center
MA 1982, Rutgers University
MA 1986, SUNY Binghamton Center
PhD 1989, University of Minnesota
JD 1998, University of Minnesota
LLM 2002, University of London

Earl Schwartz, 1993*

Assistant Professor of Religion
Director of Social Justice Program
BA 1975, Jewish Studies, University of Minnesota
BS 1977, Education, University of Minnesota

Frank Shaw, 2006

Assistant Professor of Mathematics
BA 1976, English Literature, Oberlin College
MA 1977, Medieval Studies, University of York
MSE 1983, Civil Engineering, Duke University
PhD 1992, Mathematics, University of California-Riverside

Deb Sheffer, 2002

Assistant Professor, Hamline School of Education
BA 1977, Gustavus Adolphus College
MA 1998, Hamline University

Jermaine Singleton, 2005

Associate Professor of English
BA 1996, University of Illinois-Urbana Champaign
MA 1999, University of Illinois
PhD 2005, University of Minnesota

Chad Sponsler, 2009

Lecturer, Hamline School of Business
BA 2002, University of North Dakota
MBA 2003, University of North Dakota
JD 2008, Hamline University

Lisa Stegall, 2012

Assistant Professor of Biology
BA 1997, English, North Carolina State University
MS 2006, Exercise Science, The George Washington
University
PhD 2010, Exercise Physiology, The University of Texas at
Austin

Susie Steinbach, 1996

Professor of History
AB 1988, History and Literature, Harvard University
MA 1990, History, Yale University
MPhil 1992, History, Yale University
PhD 1996, History, Yale University

Jean Strait, 2004

Professor, Hamline School of Education
BS 1987, Elementary Education, University of Pittsburgh
MS 1991, Reading, Moorhead State University
PhD 1994, Curriculum and Instruction, University of Minnesota
PhD 1995, Educational Psychology, Adult Literacy and
Statistics, University of Minnesota

Ken Takata, 2006

Associate Professor of Mathematics
BA, American Studies, Yale University
PhD, Mathematics, University of Illinois-Chicago

Deanna Thompson, 1996

Professor of Religion
BA 1989, Religion and American Studies, St. Olaf
MAR 1992, Religion, Yale Divinity School
PhD 1998, Theology, Vanderbilt University

Kathy Thomsen, 1988-96*, 1996

Professor of Music
License in Dalcroze Eurhythmics, Longy School of Music, 2003
BA 1976, Music, Hamline University
MM 1980, Piano Performance, University of Michigan
DMA 2000, Piano Performance, University of Minnesota

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Instructor, Hamline School of Business
BS 1987, St. John's University
MBA 2010, Finance, Augsburg College

Julius (Jeff) Turner, 2002

Professor of Theatre Arts
BA 1984, English, Centre College
MA 1986, Theatre: Critical Studies, University of California-Los Angeles
MA 1991, Educational Counseling, Appalachian State University
PhD 2000, Theatre Studies, University of Colorado

Katrina Vandenberg, 2013

Assistant Professor of Creative Writing
BFA 1992, French and Creative Writing, Bowling Green State University
MFA 1997, Poetry, University of Arkansas

Karen Vogel, 1989

Professor of Political Science
BA 1980, Political Science and English, Pitzer College
MA 1982, Political Science, University of Oregon
PhD 1986, Political Science, University of Oregon

Craig A. Waldron, 2014

Lecturer, Hamline School of Business
BA 1972, University of Iowa
MA 1974, Minnesota State Mankato
DPA 2003, Hamline University

William Wallace, 1986

Professor and Chair of Theatre Arts
Designer and Technical Director of Theatre
BA 1972, Speech/Theatre and English, Concordia College, Illinois
MFA 1981, Design and Technical Theatre, University of Minnesota

Nancy Webber, 2008

Senior Lecturer, Hamline School of Business
BS 2002, Accounting, University of Minnesota
MBT 2004, University of Minnesota

Andrew Wykes, 2001

Professor of Studio Arts
Surrey Diploma in Foundation Art and Design 1978, 79, Richmond upon Thames College, London
BFA 1982, Painting, Epsom School of Art and Design, University of London
MFA 1997, Painting, American University

Yali You, 1996

Professor of Music
BA 1984, Cello Performance, Shanghai Conservatory of Music
MM 1987, Cello Performance, Cello Performance Certificate, 1988, Northwestern University
DMA 1996, Cello Performance, University of Cincinnati

Zhenqing Zhang, 2012

Assistant Professor of Political Science
BA 1998, English/Diplomacy, Foreign Affairs College, Beijing China
MA 2001, International Studies, Foreign Affairs College, Beijing China
PhD 2011, Political Science, University of Minnesota

Nurith Zmora, 1993

Professor and Chair of History
BA 1974, History and International Relations, Hebrew University of Jerusalem
MA 1983, History, Hebrew University of Jerusalem
MA 1985, History, Johns Hopkins University
PhD 1990, American History, Johns Hopkins University

Professors Emeriti

Rees Allison, 1970-2013

Professor Emeritus of Music
LRAM 1963, GRSM 1964, Recital Diploma
1965, Royal Academy of Music, London
MM 1978, Washington University, St. Louis
PhD 1970, Performance Practice, Washington University, St.
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Gary Anderson, 1958-1997

Professor Emeritus of Mathematics
BA 1956, Concordia College
MA 1958, University of Nebraska

George Appel, 1966-1989

Associate Professor Emeritus of English
BS 1951, Northwestern University
MA 1960, PhD 1973, University of Minnesota

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Professor Emeritus of Religion
BA 1950, Hamline University
BD 1953, Garrett Theological Seminary
PhD 1957, Duke University

Walter Blue, 1971-2008

Professor Emeritus of French
BA 1963, Muhlenberg College
MA 1965, Rice University
PhD 1975, Yale University

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Professor Emeritus of Accounting
BS 1972, Business Administration, University of Minnesota
MBA 1976, Finance, University of Minnesota
PhD 1982, Business Administration, University of Minnesota

Duane Cady, 1974-2011

Professor Emeritus of Philosophy
BA 1968, Hamline University
MA 1970, PhD 1971, Brown University

Russell Christensen, 1987-2013

Professor Emeritus of German
BA 1966, German Studies, Carleton College
MA 1969, PhD 1988, German Studies, University of Minnesota

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Professor Emeritus
Co-Director, Bush Library
BA 1973, Macalester College
MA, MALS 1978, University of Wisconsin-Madison

Cynthia Cone, 1973-2002

Professor Emeritus of Anthropology
BA 1956, MA 1971, PhD 1976, University of Minnesota

Clifford Creswell, 1962-1999

Professor Emeritus of Chemistry
BS 1958, Franklin and Marshall College
PhD 1962, Northwestern University

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Professor Emeritus of English
BA 1961, Grinnell College
MA 1963, PhD 1967, University of Minnesota

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Professor Emeritus of Education
BS 1977, University of Oregon
BS 1985, University of Minnesota
MS 1990, Mankato State University
PhD 1997, University of Minnesota

Mary Gotz, 1976-1995

Professor Emeritus of Education
BA 1958, College of St. Catherine
MA 1964, Notre Dame University

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Professor Emeritus of Psychology
BA 1971, Aquinas College
MA 1973, PhD 1974, University of Cincinnati

Quay Grigg, 1963-1993

Professor Emeritus of English
BA 1949, MA 1950, Duke University
PhD 1961, University of Pennsylvania

Robert Kim Guenther, 1977-2013

Professor Emeritus of Psychology
BA 1970, Psychology, University of Illinois
MA 1973, Psychology, San Diego State University
PhD 1977, Experimental Psychology, University of California-
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John Harrigan, 1969-1999

Professor Emeritus of Political Science
BS 1961, Loyola University
MA 1962, University of Chicago
PhD 1970, Georgetown University

Donovan Hull, 1969-1996

Professor Emeritus of Religion
BA 1952, University of Kansas
BD 1955, STD 1970, Garrett Theological Seminary

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Professor Emeritus of Sociology
BA 1941, MA 1950, University of Colorado
MS 1944, George Williams College
PhD 1957, University of Washington

Margaret Jensen, 1979-2013

Professor Emeritus of Sociology
Honors BA 1971, Sociology, McMaster University
MA 1974, Sociology, McMaster University
PhD 1980, Sociology, McMaster University

Paul Jessup, 1988-2008

Professor Emeritus of Management and Economics
BA 1963, MA 1983, University of Oxford
AM 1963, Harvard University
BS 1960, PhD 1966, Northwestern University

Steven Jongewaard, 1975-2012

Professor Emeritus of Education
BA 1969, University of Minnesota-Duluth
MEd 1971, PhD 1981, University of Minnesota

Richard C. Kagan, 1973-2005

Professor Emeritus of History
BA 1960, MA 1963 University of California-Berkeley
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Carol Kelly, 1973-1996

Professor Emeritus of Music
BM 1958, Eastman School of Music, University of Rochester
MM 1960, Indiana University

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Professor Emeritus of Theatre
BA 1958, Beloit College
MS 1962, PhD 1976, University of Wisconsin-Madison

Martin Knight, 1973-2014

Professor Emeritus of Physical Education
BS 1969, Physical Education, University of Minnesota
MA 1972, Physical Education, University of Minnesota
PhD 1988, Physical Education, University of Minnesota

Jerry Krause, 1999-2015

Professor Emeritus of Criminal Justice
BS 1978, Law Enforcement, Mankato State University
JD 1984, University of Wisconsin Law School

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Professor Emeritus of Studio Arts & Art History
BGS 1971, MA 1972, MFA 1972, University of Iowa

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Professor Emeritus of Political Science
BS 1956, University of Maryland
MA 1960, PhD 1966, University of Minnesota

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Professor Emeritus of Sociology
BA 1967, Sociology, Hofstra University
MA 1970, Sociology, State University of New York-Stony Brook
PhD 1972, Sociology, State University of New York-Stony Brook

Charles (Dick) Moyer, 1958-1994

Professor Emeritus of English
MA 1951, University of Chicago
PhD 1959, University of Kansas

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Professor Emeritus of Physical Education
BS 1948, MA 1949, University of Minnesota

Nadine Myers, 1979-1989*, 1990-2005

Professor Emeritus of Mathematics
BS 1967, Bemidji State University
MS 1969, PhD 1971, University of Iowa

Barbara H. O'Connell, 1980-2011

Professor Emeritus of Anthropology
BA 1969, University of Michigan
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Faith O'Reilly, 1989-2008

Professor Emeritus of Legal Studies
BS 1974, Western Carolina University
JD 1982, Drake University Law School

Rodney Olsen, 1962-1999

Professor Emeritus of Chemistry
BA 1958, University of Minnesota-Duluth
MS 1960, PhD 1962, Iowa State University

Richard Pontinen, 1959-1961*, 1961-2000

Professor Emeritus of Physics
BS 1955, Hamline University
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George Redman, 1976-2012

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BA 1963, Hamline University
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BA 1963, University of Toronto
MA 1966, PhD 1970, University of Illinois

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Professor Emeritus of Chemistry
BS 1952, Iowa State University
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Professor Emeritus of Creative Writing
BA, University of Michigan
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George Vane, 1948-1989

Professor Emeritus of English
AA 1942, MA 1948, University of Chicago
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BA 1954, MA 1957, PhD 1959, University of Minnesota

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AB 1954, Cornell
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BA 1955, Occidental College
BD 1958, ThD 1966, San Francisco Theological Seminary

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BA 1955, Spanish, University of California-Berkeley
MA 1962, Political Science, University of California-Berkeley
PhD 1971, Latin American Studies, University of Minnesota