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UMM Catalog

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Spring 2001

Morris Catalog 2001-03

University of Minnesota Morris

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Morris Catalog

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2001-2002 Academic Calendar

Fall Semester 2001

New student orientation	Thursday-Sunday, August 23-26, 2001
Fall semester classes begin	Monday, August 27, 2001
Labor Day holiday	Monday, September 3, 2001
Fall break	Monday-Tuesday, October 15-16, 2001
Thanksgiving holiday	Thursday-Friday, November 22-23, 2001
Last day of instruction	Thursday, December 13, 2001
Study day	Friday, December 14, 2001
Fall semester examinations	Monday-Thursday, December 17-20, 2001
Christmas holiday	Monday-Tuesday, December 24-25, 2001
New Year's holiday	Monday-Tuesday, December 31, 2001-January 1, 2002

Spring Semester 2002

Spring semester classes begin	Monday, January 14, 2002
Martin Luther King, Jr. holiday	Monday, January 21, 2002
Spring break	Monday-Friday, March 11-15, 2002
Floating holiday	Friday, March 15, 2002
Last day of instruction	Friday, May 3, 2002
Study day	Saturday, May 4, 2002
Spring semester examinations	Monday-Thursday, May 6-9, 2002
UMM Commencement	Friday, May 10, 2002

May Session 2002

May Session classes begin	Monday, May 13, 2002
Memorial Day holiday	Monday, May 27, 2002
May Session classes end	Friday, May 31, 2002

Summer Session 2002

Summer session Term 1	Monday, May 20-Friday, June 21, 2002
Summer session Term 2	Monday, June 24-Friday, July 26, 2002
Summer session Term 3	Monday, May 20-Friday, July 26, 2002
Independence Day holiday	Thursday, July 4, 2002

2002-2003 Academic Calendar

Fall Semester 2002

New student orientation	Thursday-Sunday, August 22-25, 2002
Fall semester classes begin	Monday, August 26, 2002
Labor Day holiday	Monday, September 2, 2002
Fall break	Monday-Tuesday, October 14-15, 2002
Thanksgiving holiday	Thursday-Friday, November 28-29, 2002
Last day of instruction	Thursday, December 12, 2002
Study day	Friday, December 13, 2002
Fall semester examinations	Monday-Thursday, December 16-19, 2002
Christmas holiday	Monday-Wednesday, December 23-25, 2002
New Year's holiday	Wednesday, January 1, 2003

Spring Semester 2003

Spring semester classes begin	Monday, January 13, 2003
Martin Luther King, Jr. holiday	Monday, January 20, 2003
Spring break	Monday-Friday, March 10-14, 2003
Floating holiday	Friday, March 14, 2003
Last day of instruction	Friday, May 2, 2003
Study day	Saturday, May 3, 2003
Spring semester examinations	Monday-Thursday, May 5-8, 2003
UMM Commencement	Friday, May 9, 2003

May Session 2003

May Session classes begin	Monday, May 12, 2003
Memorial Day holiday	Monday, May 26, 2003
May Session classes end	Friday, May 30, 2003

Summer Session 2003

Summer session Term 1	Monday, May 19-Friday, June 20, 2003
Summer session Term 2	Monday, June 23-Friday, July 25, 2003
Summer session Term 3	Monday, May 19-Friday, July 25, 2003
Independence Day holiday	Friday, July 4, 2003

University of Minnesota Mission Statement

The University of Minnesota, founded in the belief that all people are enriched by understanding, is dedicated to the advancement of learning and the search for truth; to the sharing of this knowledge through education for a diverse community; and to the application of this knowledge to benefit the people of the state, the nation, and the world.

The University's mission, carried out on multiple campuses and throughout the state, is threefold:

- **Research and Discovery**—Generate and preserve knowledge, understanding, and creativity by conducting high-quality research, scholarship, and artistic activity that benefit students, scholars, and communities across the state, the nation, and the world.
- **Teaching and Learning**—Share that knowledge, understanding, and creativity by providing a broad range of educational programs in a strong and diverse community of learners and teachers, and prepare graduate, professional, and undergraduate students, as well as non-degree-seeking students interested in continuing education and lifelong learning, for active roles in a multiracial and multicultural world.
- **Outreach and Public Service**—Extend, apply, and exchange knowledge between the University and society by applying scholarly expertise to community problems, by helping organizations and individuals respond to their changing environments, and by making the knowledge and resources created and preserved at the University accessible to the citizens of the state, the nation, and the world.

In all of its activities, the University strives to sustain an open exchange of ideas in an environment that embodies the values of academic freedom, responsibility, integrity, and cooperation; that provides an atmosphere of mutual respect, free from racism, sexism, and other forms of prejudice and intolerance; that assists individuals, institutions, and communities in responding to a continuously changing world; that is conscious of and responsive to the needs of the many

communities it is committed to serving; that creates and supports partnerships within the University, with other educational systems and institutions, and with communities to achieve common goals; and that inspires, sets high expectations for, and empowers the individuals within its community.

University Policies

Catalog Use—The University of Minnesota changed to a semester-based academic calendar beginning academic year 1999-2000. This catalog is the second semester-based catalog produced for the University of Minnesota, Morris. It covers academic years 2001-2002 and 2002-2003.

The *Morris Catalog* is in effect for nine years; this catalog is in effect from fall 2001 through the end of summer session 2010. The transition from quarters to semesters should not impede UMM students' progress toward graduation. Consult faculty advisers, the Academic Advising Office, or the vice chancellor for academic affairs and dean about semester conversion questions. *Students returning to UMM after an absence should contact the Registrar's Office to determine which catalog will best fit their program plans.*

This publication is available in alternative formats upon request. Please contact the Office of Admissions, University of Minnesota, 240 Williamson Hall, 231 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-2008; admissions@tc.umn.edu).

This catalog also is available in electronic format on the Internet and may be accessed at www.catalogs.umn.edu.

Evening and summer courses are featured in the *UMM Continuing Education Catalog* and the *UMM Summer Session Catalog* respectively.

Class Schedule—This annual publication lists course offerings with class times, rooms, instructors, and prerequisites, as well as registration instructions, fees, final examination schedules, and other useful information.

Equal Opportunity—The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

In adhering to this policy, the University abides by the Minnesota Human Rights Act, Minnesota Statute Ch. 363; by the Federal Civil Rights Act, 42 U.S.C. 2002e; by the requirements of Title IX of the Education Amendments of 1972; by Sections 503 and 504 of the Rehabilitation Act of 1973; by the Americans With Disabilities Act of 1990; by Executive Order 11246, as amended; by 38 U.S.C. 2012, the Vietnam Era Veterans Readjustment Assistance Act of 1972, as amended; and by other applicable statutes and regulations relating to equality of opportunity.

Inquiries regarding compliance may be directed to Julie Sweitzer, Director, Office of Equal Opportunity and Affirmative Action, University of Minnesota, 419 Morrill Hall, 100 Church Street S.E., Minneapolis, MN 55455 (612-624-9547).

Immunization—Students born after 1956 who take more than one University class are required under Minnesota law to submit an Immunization Record form.

The form, which is sent along with the official University admission letter, must be filled out and returned to the Health Service within 45 days after the beginning of the first

term of enrollment in order for students to continue registering for classes at the University. Complete instructions accompany the form.

Extracurricular Events—No extracurricular events requiring student participation may be scheduled from the beginning of study day to the end of finals week. Exceptions to this policy may be granted by the chancellor, upon recommendation from the Scholastic Committee. Any exemption granted pursuant to this policy shall be honored, and students who are unable to complete course requirements during finals week shall be provided an alternative and timely opportunity to do so. Persons seeking an exception to this policy should contact the Office of the Chancellor.

Smoke-Free Campus Policy—Smoking is prohibited in all buildings of the University of Minnesota, Morris campus except for designated private residence hall rooms.

Morris Campus

Located in west central Minnesota, the University of Minnesota, Morris continues the educational service that began on the campus in 1887. The campus was originally an American Indian boarding school, operated for 22 years, first by the Sisters of Mercy and then by the federal government. In 1909, as the federal government reduced the number of nonreservation boarding schools, the campus and facilities were deeded by Congress to the state of Minnesota on the condition “that Indian pupils shall at all times be admitted to such school free of charge for tuition and on terms of equality with white pupils.” Beginning in 1910 and for the next 53 years, the West Central School of Agriculture offered a boarding school experience for rural youth under the auspices of the University of Minnesota’s Institute of Agriculture. To meet changing educational needs, as the School of Agriculture was being phased out, the Board of Regents in 1960 established the University of Minnesota, Morris.



Conceived at the outset as a four-year liberal arts college, UMM was to serve not only the population of west central Minnesota, but also was to provide an educational opportunity for students throughout the state who sought a rigorous and focused undergraduate liberal education in a small college setting. The guiding principles of selective admission, controlled growth, and academic excellence in a residential campus atmosphere have not changed for four decades.

With approximately 1,900 students and 120 teaching faculty, UMM combines the residential environment of the small liberal arts college with the advantages of being a college of the University of Minnesota. The members of the faculty, representing more than 25 academic fields, are organized into four divisions: Education, Humanities, Science and Mathematics, and Social Sciences. A 16-to-1 student-faculty ratio and a strong institutional commitment to individual attention bring UMM students into frequent contact with faculty; undergraduates often collaborate with faculty in research and professional activities.

The UMM student body is diverse and talented. The campus currently is the collegiate home for students from throughout Minnesota and more than 30 other states and 15 foreign countries. In 1999, 27 percent of entering freshmen ranked in the top 5 percent of their high school class; 43 percent were in the top 10 percent; and 62 percent were in the top 20 percent.

There are more than 85 student organizations at UMM. Throughout the year, a variety of cultural and cocurricular activities— theatre productions, concerts, recitals, music festivals, lectures, athletic events—are enjoyed by the campus community and the residents of the region.

UMM helped found the Council of Public Liberal Arts Colleges in 1992. This national organization has 17 member colleges which share a common commitment to academic excellence and concern for

undergraduate student development. The council sponsors professional development conferences for faculty in various disciplines and helps tell the public liberal arts story.

In addition to UMM, the council currently includes the College of Charleston (SC), The Evergreen State College (WA), Fort Lewis College (CO), Henderson State University (AR), Keene State College (NH), Mary Washington College (VA), Massachusetts College of Liberal Arts, New College of the University of South Florida, Ramapo College of New Jersey, Sonoma State University (CA), St. Mary’s College of Maryland, State University of New York College at Geneseo, Truman State University (MO), University of Maine at Farmington, University of Montevallo (AL), and University of North Carolina at Asheville.

Mission

The mission of the University of Minnesota, Morris as an undergraduate, residential, liberal arts college is distinctive within the University of Minnesota. The Morris campus shares the University’s statewide mission of teaching, research, and outreach, yet it is a small college where students play a major role in shaping their own education. The campus serves undergraduate students primarily from

Minnesota and its neighboring states, and it is an educational resource and cultural center for citizens of west central Minnesota. Through its instructional excellence, commitment to research, many extracurricular programs and services, and strong sense of community, the University of Minnesota, Morris is recognized as one of the best liberal arts colleges in the nation.

Accreditation

The University of Minnesota, Morris is accredited by the North Central Association of Colleges and Schools. Professional accreditation for elementary and secondary teacher preparation has been granted by the National Council for the Accreditation of Teacher Education and the Minnesota Board of Teaching.

Academic Programs

UMM's academic programs offer basic preparation for most of the professions and several specialized occupational areas. Each student program includes studies in three broad areas of knowledge—the humanities, the natural sciences, and the social sciences.

UMM students may choose a four-year curriculum leading to the bachelor of arts degree in any of the following fields.

- Art History
- Studio Art
- Biology
- Chemistry
- Computer Science
- Economics
- Education
 - Elementary Education
 - Secondary Education (licensure only)
 - Coaching (endorsement only)
- English
- European Studies
- French
- Geology
- German
- History
- Latin American Area Studies
- Liberal Arts for the Human Services
- Management
- Mathematics
- Music
- Philosophy
- Physics

- Political Science
- Psychology
- Social Science
- Sociology
- Spanish
- Speech Communication
- Theatre Arts
- Women's Studies

UMM students can also work closely with faculty and counselors to design their own interdisciplinary program, or choose from among one- to four-year liberal arts curricula that offer preparation for admission to a variety of professional schools. (See the Professional Degrees in Other Colleges section in this catalog.)

Honors Program

The UMM Honors Program offers a distinctive opportunity for students to enhance their college experience. It encourages students to explore the world of ideas and creativity in a variety of ways that offer challenges and excitement. It is a combination of courses, activities, and individual projects that is flexible, allowing students to determine the ways in which they study and develop. Any interested UMM student may enroll in the program by filling out an application form, available from the Honors Office, 225 Community Services.

The Honors Program offers a selection of special courses that go beyond the scope of the regular curriculum. Typically, they are small classes and represent the special interests of the faculty who design them. Honors students have opportunities for extended and stimulating independent study. They also come together regularly at a variety of public or special events on and off campus. Successful completion of the Honors Program provides a UMM degree “with honors” as recognition of superior achievement in academic and cocurricular endeavor.

To graduate “with honors,” participants must complete one honors course annually, attend and respond to at least four honors activities per year of participation, successfully complete a senior honors project (which counts as an honors course), and earn A's for half of their UMM credits. The Honors Program is administered by a faculty director. A more detailed description of the Honors Program appears in the Academic Information section in this catalog.

Continuing Education at UMM

Continuing Education (CE) shares in UMM's liberal arts mission but is also linked to the University's Twin Cities campus. CE organizes and administers evening and summer session offerings, including a wide range of undergraduate and graduate, credit and noncredit courses. In conjunction with colleges on the University's Twin Cities and Duluth campuses, CE offers a number of post-baccalaureate programs. CE develops and sponsors conferences, institutes, and workshops; administers regional public service programs; coordinates interactive television programming and scheduling on the Morris campus; and provides academic advising and educational counseling for nontraditional students. CE serves as a liaison between the University and west central Minnesota communities by assisting with economic development initiatives, technology transfer, grant projects, and conducting research on the educational needs of communities, groups, and individuals in the area. CE also offers academic advising to regional adults (see Regional Advising Service in the Academic Information section of this catalog).

Facilities

The UMM campus is situated on rolling prairie along the Pomme de Terre River adjacent to the city of Morris. The attractive, tree-shaded campus, with its 26 buildings, is located around a pedestrian mall. The major buildings, including the Science and Math Complex, the Rodney A. Briggs Library, the Humanities Fine Arts Center, the Physical Education Center, the Student Center, the Food Service, and three of the residence halls, are modern in design and of relatively recent origin. They are blended with several older buildings of a gracious early twentieth-century style which recalls the campus' early history, first as an American Indian boarding school, then as the University's West Central School of Agriculture. All major instructional areas as well as most administrative space are accessible to persons with mobility limitations.

The Humanities Fine Arts Center received the prestigious First Design Award from *Progressive Architecture* magazine. It houses

two theatres, a recital hall, a gallery, art studios, music rehearsal rooms, two television studios, and a variety of special purpose classrooms.

The Physical Education Center houses three basketball courts in its main gymnasium. Seating capacity for games is 4,000. It also features a large multipurpose gymnasium and wrestling room, an exercise therapy and weight room, handball courts, and classrooms. It has a spacious natatorium consisting of an official Olympic-size eight-lane swimming pool and a separate diving tank.

The Rodney A. Briggs Library provides reading and study space for 600 students and contains over 180,000 volumes. Through excellent interlibrary loan arrangements, students can borrow books and receive photocopies from the entire University of Minnesota library system as well as from other libraries throughout the state and region. The library also serves as a depository for certain government documents and houses the West Central Minnesota Historical Research Center, the Writing Room, and the Academic Assistance Center.

UMM has laboratory facilities for psychology and a simulation laboratory for political science students as well as many laboratories for the natural sciences. Students also have access to the modern Computing Services center, which supplies support services for instructional, research, and administrative programs on campus.

The Student Center opened in 1992. Intended as the community center for students, faculty, staff, alumni, and guests, the center contains meeting rooms, a café, a major auditorium, lounges, recreation rooms, study space, a banquet and ballroom, student activities and student organization offices, and the campus radio station.

The new science building and soon-to-be-completed renovation of existing science facilities give the campus a state-of-the-art science complex. The new 60,000-square-foot science building houses laboratories and computer classrooms to support the science and mathematics curriculum.

In the fall of 1999, the campus and region completed a \$5 million, 40,000-square-foot Regional Fitness Center. It includes a walking/jogging track, low impact cardiovascular area, warm water pool/water slide, and multipurpose court areas.

Admissions

The Office of Admissions and Financial Aid is the primary source of information about the University for prospective students; it provides college catalogs, brochures, and other printed materials regarding all phases of the institution and its policies and programs. In addition, the office arranges personal visits with admissions counselors or with University faculty to discuss programs in which a student is interested. For more information about admissions and financial aid or to arrange a campus visit, call 1-800-992-8863. Persons with disabilities seeking accommodation during the admissions process may contact the disability services coordinator in Room 362, Rodney A. Briggs Library (320-589-6179).

Admission Requirements

Persons seeking admission to the University of Minnesota, Morris on the basis of a high school diploma or through transfer from another college should check the admission requirements detailed on the following pages.

Applicants may obtain an application form from their high school principal or counselor or by writing to the Office of Admissions and Financial Aid, University of Minnesota, Morris, Behmler Hall, 600 East 4th Street, Morris, MN 56267. Each application submitted must be accompanied by a nonrefundable fee of \$25 payable by check or money order to the University of Minnesota, Morris (please do not send cash through the mail). Online applications are also available at www.mrs.umn.edu/admissions and must be accompanied by a nonrefundable fee of \$10.

Freshman Admission

Because of the nature of the curriculum, the standards of academic performance required, and the need to maintain the small size of the college, a selective admission policy is necessary. UMM currently admits 505 freshmen to its fall semester class, most of whom are in the top 25 percent of their high school class. The current student body represents 30 states and 15 foreign countries; large and small, public and private high schools; and a variety of social, economic, and cultural backgrounds. Success with high school preparatory courses, class rank, ACT or SAT test scores, educational

objectives, extracurricular activities, and other relevant information are all taken into consideration in the admission decision.

Students may apply to the entering class under one of three admissions options: Decision I, II, or III. Applicants follow the same procedures, submit the same supporting materials, and are evaluated by the same criteria under each option. The options are offered to accommodate applicants who arrive at a final choice of college later than others. However, interested students are encouraged to apply early regardless of which decision option they choose.

Confirmation Deadline

All admitted applicants are required to confirm their acceptance with a \$100 nonrefundable confirmation fee due on or before the confirmation deadline for their chosen admission option. The confirmation fee reserves space in the class, and the date of receipt of a student's confirmation fee affects housing assignment and course registration. Students are encouraged to send their confirmation fees as soon as possible. Deadline extensions will be considered on an individual basis; however, confirmation fees must be received by May 1, the national candidate's reply date.

	Application Deadline	Notification Date	Confirmation Deadline
Decision I (early)	December 1	December 20	January 30
Decision II	February 1	February 15	March 15
Decision III	March 15	April 1	May 1
Transfer students	May 1	Upon receipt of final transcript	Within 14 days of notification

High School Preparation Requirements

UMM policy requires that students must have completed the following courses in high school.

1. *Four years of English*, with emphasis on writing, including instruction in reading and speaking skills and literary understanding and appreciation.
2. *Three years of mathematics*, including one year each of elementary algebra, geometry, and intermediate algebra. Students who plan to enter the natural sciences, health sciences, or quantitative social sciences should have additional preparation beyond intermediate algebra.
3. *Three years of science*, including one year of biological and one year of physical science.
4. *Two years of a single foreign language*. American Indian languages and American Sign Language may be used to fulfill this requirement.

General Information

5. *Two years of social studies*, including U.S. history.

Students are strongly urged to include visual and performing arts and computer skills courses in their college preparation program. For more information on specific courses that fulfill University requirements, contact the UMM Office of Admissions and Financial Aid.

Applicants with some deficiencies may be admitted if other factors in their applications warrant an exception, but if admitted, they will be required to make up any deficiencies within the first two years of enrollment at UMM.

Standardized Test Scores

Freshmen must submit scores from the American College Testing (ACT) Assessment Program or Scholastic Aptitude Testing (SAT). As a basis for admission, applicants' ACT/SAT scores should clearly indicate strength in their aptitude and preparation. Applicants should complete the ACT/SAT Assessment during one of the national testing periods (preferably before January 1) and have their assessment report sent to UMM (ACT code 2155, SAT code 6890). In certain instances in which the ACT/SAT is not readily available, scores from other aptitude tests will be accepted for admission. Nevertheless, the ACT or SAT assessment, which provides the basic information used in the freshman advising program, must be taken before the student will be considered for admission.

Freshmen With College Credit

Advanced Placement and International Baccalaureate—Entering freshmen may receive recognition for advanced scholastic achievement demonstrated on the Advanced Placement or International Baccalaureate Examinations. Advanced placement recognition and credits are granted for scores of 3 and above. Credits granted may be applied toward college degree requirements. Contact the UMM Office of Admissions and Financial Aid for more information on specific credits granted for Advanced Placement and International Baccalaureate coursework.

Former PSEO (Post-secondary Enrollment Options Act) Students—Students who have acquired college credits from regionally accredited institutions through Minnesota's Post-secondary Enrollment Options Act must provide the UMM Registrar's Office with an official transcript of courses taken at a college or university during their junior and/or senior year in high school. The registrar will prepare

an official evaluation of all completed courses, and credit will be given for courses that provide a substantial amount of liberal arts content.

Special Admissions Status

Former UMM Students—UMM students who interrupt their enrollment for less than one year must be reenrolled through the Registrar's Office before they can register for classes. Those in good standing, who interrupt their enrollment for more than one year, need to be readmitted through the Office of Admissions and Financial Aid. Former Morris students will be considered for readmission on the basis of their past performance as space is available. Former Morris students in good standing, who interrupted their enrollment to transfer to another college, must meet the requirements for admission as transfer students listed under "Applying for Transfer Admission to UMM" on page 12 and "Transfer Within the University" on page 14.

Special Student—"Special Student" enrollment is reserved for students, whether part or full time, who are not degree candidates, who are admitted on a term-by-term basis, and who have access to courses if space is available. "Special Student" status is reserved for five categories of students: 1) adults taking courses of special interest; 2) probationary admissions who will later become regular degree candidates; 3) UMM faculty and staff; 4) PSEO high school students taking courses for enrichment; and 5) PSEO students carrying a full-time Morris freshman course load. "Special Student" admissions will be limited and will be based on an approved Learning Plan. Students should contact the Office of Admissions and Financial Aid directly for application materials.

Deferred Admission

Students choosing to delay their matriculation into UMM after being admitted may defer their admission. To seek deferred admission, students first complete all admissions procedures. Once admitted, they request deferred status; after deferment has been granted, the \$100 nonrefundable confirmation fee will reserve space for up to one year.

International Students

Citizens of other countries are encouraged to apply for admission to the University of Minnesota, Morris. They are evaluated on an individual basis, with consideration given to the academic record of each student in relation to the educational system of her or his native

country. Applicants must show evidence of exceptional academic achievement and probability of success at Morris. Letters of reference from individuals under whom the applicant has studied and evidence of good health are required. The Test of English as a Foreign Language (TOEFL) is also required of all students applying from outside the United States unless their native language is English. A minimum score of 550 is expected of Morris applicants. The TOEFL is offered worldwide at selected locations. Students who cannot locally obtain a TOEFL *Bulletin of Information for Candidates, International Edition*, and registration forms should write to the Test of English as a Foreign Language, Box 899, Princeton, NJ 08540, USA.

Senior Citizens

Minnesota residents age 62 years or older may be admitted to UMM classes at a minimal cost when space is available after tuition-paying students have been accommodated. Persons wishing to take a course without credit pay only materials or other special fees. Those seeking credit for a course pay \$6 per credit as well as materials or other special fees. Further information is available from the UMM Office of Admissions and Financial Aid.

Reciprocity

The University of Minnesota, Morris has reciprocity agreements with Kansas, Michigan, Missouri, Nebraska, North Dakota, South Dakota, Wisconsin, and Manitoba. A student who is a resident of any of these states or this province may qualify for reciprocity tuition rates, which are lower than nonresident tuition rates and, in some cases, comparable to resident rates. For more information, contact the Office of Admissions and Financial Aid, University of Minnesota, Morris, Behmler Hall, 600 East 4th Street, Morris, MN 56267 (320-589-6035 or 1-800-992-8863), or the Resident Classification and Reciprocity Office (612-625-6330).

Multi-U Enrollment—The University of Minnesota campuses have a consortium agreement. The agreement allows students planning to earn their degree at their home college to attend another University of Minnesota college. Requests to enroll through the consortium agreement are approved for academic reasons supported by the student's adviser or for extenuating circumstances such as a student needing to be close to a medical facility or in times of family crisis. Students

register at their home college; financial assistance is not interrupted. Tuition and fees vary according to rates at the instructional unit(s). Petition forms for attending another campus are available in the Registrar's Office.

Residents

Because the University is a state-supported institution, Minnesota residents pay lower tuition than nonresidents. To qualify for resident status, students must reside in Minnesota for at least one calendar year before the first day of class attendance. For more information, contact the Resident Classification and Reciprocity Office, University of Minnesota, 240 Williamson Hall, 231 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-6330), or the Office of Admissions and Financial Aid on the Morris campus.

Nonresidents

Students who have had permanent homes in Minnesota for at least one calendar year are eligible to pay resident tuition rates; most other students must pay nonresident rates. Certain nonresident students may qualify for resident tuition rates or scholarships (see p. 24). Completion of a year's stay in Minnesota does not by itself establish residence for University purposes. Persons who move to Minnesota and who are students may not be able to demonstrate that they qualify for residence here. Students from out of state who have established Minnesota residence must assume the burden of proving conclusively that they have been residents for the requisite time and that they have, in fact, established their permanent home in this state.

Students may lose their Minnesota residence, for University purposes, under certain circumstances. These may include employment outside of Minnesota or change of their parents' domicile to another state.

When a student's status warrants a change of classification—for either loss or establishment of residence—it is the student's responsibility to initiate action. Students who have any questions about their classification should apply to the Office of Admissions and Financial Aid for consideration of their status. Reclassification requests must be made in writing.

General Information

Planning to Transfer to Morris?

Minnesota's public colleges and universities are working together to make transfer easier. Students can help if they **PLAN AHEAD**, **ASK QUESTIONS**, and check into established transfer agreements.

Preparing for Transfer to UMM

Students currently enrolled in another college or university should

- discuss transfer plans with a UMM admissions counselor (320-589-6035 or 1-800-992-8863).
- call or visit UMM. Students should request the following materials:
 - college catalog
 - information on financial aid (how to apply and by what date)
 - transfer brochure
 - information on UMM admission criteria and materials required for admission (e.g., transcripts, test scores). Note that elementary education, secondary education, and management programs require special admission in addition to general UMM admission. In these instances, admission to UMM does not guarantee admission to the program. These special admission requirements are listed under the respective majors in the Division Structure and Course Descriptions section in this catalog.
- after reviewing these materials, make an appointment to talk with the transfer coordinator. Be sure to ask about course transfer and degree requirements.

Applying for Transfer Admission to UMM

- Application for admission is always the first step in transferring. Fill out the application as early as possible before the deadline (see admission deadlines under Confirmation Deadline above). Enclose the application fee. Priority will be given to those transfer students applying before May 1 for fall semester and by November 1 for spring semester. A \$100 confirmation fee is due within 14 days after notification of admission. Students with less than one year of college must include high school transcripts and also meet the UMM admission requirements for freshmen. In general, transfer students with credits from an accredited college or university who have

maintained at least a C+ average (2.50 cumulative GPA) in all credits attempted will be considered for admission.

- Request that official transcripts be sent from every previous institution attended, whether courses were completed satisfactorily or not. Provide a high school transcript or GED test scores as well.
- Check to be certain all the necessary paperwork is received by the UMM Office of Admissions and Financial Aid. The admissions decision cannot be made until all required documents are received.
- Students who have heard nothing from the Office of Admissions and Financial Aid after one month should call to check on the status of the application.
- After the student has applied for admission, the student's transcript will be evaluated. An Academic Progress and Advising System (APAS) report showing how the courses meet specific degree requirements will be available when the student registers for classes.
- If the student has questions about the evaluation, the student may call the registrar. If not satisfied, the student can appeal. See "Rights as a Transfer Student" below.

Understanding How Transfer of Credit Works

- UMM, as the receiving college, decides what credits transfer and whether those credits meet UMM degree requirements.
- As a general policy, UMM accepts transfer coursework from institutions that are regionally accredited and whose mission includes providing courses that are intended for transfer to baccalaureate programs. In addition, the transfer coursework must be comparable in nature, content, and level to courses offered by UMM and applicable to the bachelor of arts degree; "like" transfers to "like."
- Religious studies from regionally accredited colleges will go through the normal transfer review. Religious studies from colleges that do not have regional accreditation will go through a special review with credit limitations.
- In addition to coursework from the traditional liberal arts disciplines, UMM will accept for transfer courses in those specialized programs offered on the Morris campus—education, management, and business administration.

- To be acceptable for transfer, coursework must be college level, not remedial. Coursework is remedial if the majority of the content is found in the usual secondary school curriculum.
- To maintain consistency, UMM will accept transfer courses that are appropriate for application to the mission of a liberal arts college. Courses that are technical and applied will not transfer to UMM. Coursework in the generally accepted liberal arts disciplines (e.g., mathematics, philosophy, history, geology) is usually accepted.
- UMM does not accept transfer coursework from proprietary technical colleges, business colleges, and similar postsecondary schools. However, credit from these programs for knowledge acquired in liberal arts may be obtained by special examination. In lieu of regional accreditation, determination will be made that instruction is collegiate level and appropriate for UMM's liberal arts mission before credit will be awarded.
- When coursework is transferred, UMM accepts the validity of an accredited transfer institution's decisions regarding credit value, grades, content as described, and level of instruction of its courses, and transfers those courses accordingly.
- UMM accepts for transfer coursework with the grade of D or above, subject to the restrictions of UMM's own degree requirements. (See Grading Policy in the College Regulations section of this catalog.)
- When grading systems are not compatible, credits are transferred with a grade of "S."
- UMM honors the transfer institution's decisions regarding exemptions, advanced placements, and waivers of requirements.

Understanding UMM Degree Requirements for Transfer Students

- Not everything that transfers will help the student graduate. UMM's bachelor of arts degree program requires coursework in several categories: general education, major/minor courses with their prerequisites, and electives. The key question is, "Will the student's credits fulfill requirements of the degree or program chosen?"
- The MINNESOTA TRANSFER CURRICULUM, an agreement for transferring general education requirements as a package from colleges within

Minnesota Schools, Colleges, and Universities (MNSCU) will be honored for students who have fully completed that curriculum before transfer to UMM. The UMM degree requirements that will remain for transfer students who have completed the Minnesota Transfer Curriculum are—foreign language, one year at the college level;

—a total of 60 liberal education credits outside the discipline of the student's major, including applicable transfer credits;
 —major or area of concentration;
 —30 credits in residence;
 —2.00 cumulative GPA;
 —120 minimum credits for the degree.

- Application of courses to UMM general education requirements for students who are transferring to UMM from a participating college or university but who have not fully completed the Minnesota Transfer Curriculum will be done on a course-by-course basis. In general, the designation of courses from the previous college's version of the Minnesota Transfer Curriculum can be used as a guide.
- If the student changes the career goal or major, it might not be possible to complete all degree requirements within the 120 minimum total credits required for graduation.

Rights as a Transfer Student

A transfer student is entitled to

- a fair credit review and an explanation of why credits were or were not accepted;
- a formal appeals process. Appeals steps are 1) transfer students provide supplemental information to the registrar—a syllabus, course description, or reading list; 2) the registrar may ask a department(s) to review supplemental materials; 3) the student will receive an updated APAS showing the outcome of the appeal; and 4) if the student is dissatisfied with the outcome, the student can make a further appeal to the Scholastic Committee.

For help with transfer questions or problems, see the UMM campus transfer coordinator in the Advising Office.

Transfer Within the University

A student who wishes to change from one college, school, or campus of the University of Minnesota to UMM must meet the UMM requirements for admission. Students may complete the Minnesota Transfer Curriculum prior to transfer. Students who have partially completed the Minnesota Transfer Curriculum must meet the UMM requirements for completion of the bachelor of arts degree.

- Transfer applicants from other colleges within the University to UMM who have maintained at least a 2.50 GPA will be considered for admission.
- Students with less than a year of college must meet the admission requirements for freshmen and should have at least a 2.50 GPA in their college coursework as well.
- Application for transfer within the University of Minnesota should be made at the Registrar's Office on the campus where the student is currently enrolled or was last registered. The *Change of College* form serves as the application for admission.
- Students should apply as early as possible before their expected date of transfer.

Registration

Registration and up-to-date registration publications and information are available on the Registrar's Office Web site at www.mrs.umn.edu/services/registrar.

New Students

Designated registration periods are held for entering first-year students and transfer students who plan to enroll fall semester. Faculty advisers assist new students with academic planning and course selection.

New Student Orientation

UMM offers a comprehensive new student orientation program, which provides information on UMM's educational opportunities, services, and resources. Returning students help new students find their niche in campus life. New Student Orientation is held just before the beginning of the academic year. Students entering UMM spring semester take part in orientation activities held the first day of the semester.

Students in Attendance

Registration for students in attendance occurs during the previous term. Registration instructions and materials are issued from the Registrar's Office.

Annual Planning—Long-range academic planning between students and their advisers occurs in the spring, preceding fall registration. Annual Planning provides an opportunity for significant discussion of the breadth and quality of students' liberal education; career objectives, interests, and plans; and technical details of degree requirements. Students who will be freshmen or sophomores in the fall plan their next year; those who will be juniors plan their two remaining years. For students with fewer than 60 semester credits (freshmen and sophomores), notification of the adviser's approval of the Annual Plan is required in the Registrar's Office before students may register for fall semester.

Leave of Absence (LOA)

Students at Morris are encouraged to request a leave of absence if they plan to leave school for more than two semesters. Students in good academic standing who interrupt their academic work for no more than one calendar year will not be required to apply for readmission. *Leave of Absence* forms are available in the Registrar's Office. Students whose leaves are approved, and who return at the agreed upon time, do not need to apply for readmission when they return.

At the time the leave is requested, students can find out whether they will be allowed to complete old or new program requirements upon their return. If the leave of absence is for more than two academic years (i.e., four semesters), the student may need to follow new program requirements. Students on leave will be sent registration information, a [UMM Class Schedule](#), and will be given an enrollment queue time.

Re-enrollment

Students at Morris who have not been granted a leave of absence and who do not register for two consecutive semesters excluding summer will be placed on inactive status. They will need to contact the Office of Admissions and Financial Aid for approval to regain active status before registering for another term.

Withholding Permission to Register

UMM reserves the right to deny students permission to register for a subsequent term or to withhold the release of grades, transcripts, or diplomas if students have not complied with academic or disciplinary regulations or financial obligations to the University. A student who believes that the policy of withholding transcripts, grade reports, diplomas, or permission to register has been unjustly applied in a particular case may appeal directly to the Office of the Chancellor for a resolution.

Change in Registration

Cancel/Add procedures are printed in the [UMM Class Schedule](#) and on the Web at www.mrs.umn.edu/services/registrar/register.html. *Cancel/Add Request* forms are available in the Registrar's Office or on the Web at www.mrs.umn.edu/services/registrar/forms.html. After the first week of the semester, faculty signatures are required for all course additions. Scholastic Committee approval is required for changes in grading systems and for course additions after the end of the second week of the semester. However, because of the individualized arrangement, Directed Study courses may be added at any time during the semester without Scholastic Committee approval. Procedures for Directed Study are printed on the back of the forms available in the division offices. For more information, see Directed Study and Internships in the Academic Information section of this catalog.

Cancel/Add (withdrawal) deadlines are published under "Registration Related Information" on the Web at www.mrs.umn.edu/services/registrar/register.html. The refund schedule is published on the Web at www.mrs.umn.edu/onestop/refund.html.

Withdrawals

The withdrawal policy is found in the [UMM Class Schedule](#) and in the all-university grading policy on the Web at www1.umn.edu/usenate/policies/gradingpolicy.html. Students should note carefully the cancel/add period in which withdrawal removes a course from the transcript, the period following cancel/add in which withdrawal will place a W on the transcript, and the date after which students

may no longer withdraw from classes unless there are documented extenuating circumstances.

Withdrawal from classes may also affect grants-in-aid, loans, and scholarships. Students who receive any type of financial assistance should check with the financial aid staff before withdrawing from a class.

Canceling Out of College

Students who choose to discontinue their enrollment after registering for classes must process a complete cancellation from college.

Students obtain a Cancellation of Enrollment form at the Registrar's Office. Cancellation processing includes notification of other campus offices and may involve financial aid repayment. Final clearance for cancellation is in the Registrar's Office. Until an official notice of cancellation is received in the Registrar's Office, spaces in the classes are reserved, and tuition and fees charges continue to accrue regardless of nonattendance.

Access to Student Educational Records

In accordance with regents' policy on access to student records, information about a student generally may not be released to a third party without the student's signed release. (Exceptions under the law include state and federal educational and financial aid institutions.) The policy also permits students to review their educational records and to challenge the contents of those records.

Some student information—name, address, electronic (e-mail) address, telephone number, dates of enrollment and enrollment status (full-time, part-time, not enrolled, withdrawn and date of withdrawal), college and class, major, adviser, academic awards, honors received, and degrees earned—is considered public or



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directory information. Students may prevent the release of public information. To do so, they must complete a *Request to Suppress Directory Information* form in the Registrar's Office or via Web access to student records.

Students are notified annually of their right to review their educational records. The regents' policy, including a directory of student records, is available for review at the Chancellor's Office on the Morris campus. Inquiries may be directed to the administrator of the unit responsible for maintaining the records in question or to the Vice Chancellor for Student Affairs, 309 Behmler Hall.

Refunds

In response to the federal Higher Education Amendments of 1992, the University of Minnesota has established a refund policy that follows the federal regulations with flexibility to serve both day school and Continuing Education students. There is an eight-week refund period.

Fall semester, which begins on Monday, will end week one on Monday of the following week. Spring semester, which begins on Tuesday, will end week one on Tuesday of the following week. This will allow Continuing Education students whose first course meeting is Monday of week two in spring semester at least one day of class before a penalty for cancellation is imposed.

Students are entitled to a full or partial refund or credit of tuition, student services fees, and special course fees as follows (Refund schedules, including May session and summer session, can also be found on the Web at www.mrs.umn.edu/services/business/refundschedules.html) or in the *Class Schedule*).

Fall Semester Refund Schedule

100% through Tuesday of week 2
90% through Monday of week 3
50% through Monday of week 5
25% through Monday of week 9

Spring Semester Refund Schedule

100% through Tuesday of week 2
90% through Monday of week 3
50% through Monday of week 5
25% through Monday of week 9

The Office of Admissions and Financial Aid, the Business Office, and the Registrar's Office work together to verify the date of cancellation. Any aid that has been received by the student will be recovered first, as required by the aid programs involved. The Business

Office cashier will either process a refund to or collect the balance from the student depending upon remaining funds and outstanding obligations to the University. Refund examples are available upon request by contacting the Office of Admissions and Financial Aid.

Students participating in approved study abroad or student teaching, internships, or other individual projects at remote off-campus locations may be granted a waiver of the student services fees (with the exception of nonrefundable fees) for the period of their absence from the campus. Students should contact the registrar for further information on student services fee waivers. Prorated room and board rebates are also available in many cases. See the *Residential Life Handbook* for details.

Expenses

All UMM fees, deposits, and refund policies are subject to change without notice. Current information may be obtained from the UMM Business Office.

Estimated Cost of Attendance

Per Year—The approximate yearly cost of attendance for a Minnesota or reciprocity state resident living on campus is currently \$10,383. This amount includes tuition and fees, room and board, and an estimate for textbooks and supplies. Not included are personal expenses such as clothing, travel, and recreation, which are best estimated by the individual student. Nonresident tuition rates are higher than the rates for residents. (Reciprocity tuition rates vary from state to state.)

Per Semester—A breakdown of expenses per semester for a typical student in 2000-2001 follows:

	Resident	Nonresident
Tuition (15 to 20 credits)	\$2,516.25	\$5,032.50
Room and board (19 meals/week)	\$2,051	\$2,051
Student services fees	\$267	\$267
Textbooks and supplies	\$350	\$350
Total	\$5,184.25	\$7,700.50

Tuition Fees

Semester rates for students taking 15 to 20 credits:

Resident	\$2,516.25
Nonresident	\$5,032.50

Per-credit-hour tuition for students taking fewer than 15 or more than 20 credits per semester:

Resident	\$167.75 per cr
Nonresident	\$335.50 per cr

Student Services Fees

Activities Fee—A fee of \$78 per semester is charged to all students registered for 6 or more credits. Those registered for fewer than 6 credits may elect to pay the fee to participate in the activities, events, and services it funds, which include cultural and social events sponsored by student organizations and other UMM units.

Athletic Fee—A fee of \$15 per semester is charged to all students registered for 6 or more credits.

Health Service Fee—A fee of \$52.50 per semester is charged to all students registered for 6 or more credits. Those registered for fewer than 6 credits may elect to pay the fee in order to have access to the Health Service, which provides limited outpatient care. (Students must have adequate health insurance coverage to supplement this care.)

Student Center Fee—A nonrefundable fee of \$39.00 per semester is charged to all students: \$25.50—debt service for the new facility (built in 1992), \$7.50—services and operating expenses, \$6.00—facility repair and improvement.

Technology Fee—A fee of \$52.50 per semester is charged to all students registered for 6 or more credits. This fee helps fund technological enhancements on campus that are of direct benefit to students and their educational programs.

RFC (Regional Fitness Center) Fee—A fee of \$30 per semester is charged to all students and helps fund student memberships and programs at the Regional Fitness Center.

Special Course Fee (Charged in addition to tuition):

Music Lesson Fee—A fee of \$170 per credit is charged to students registered in Individual Performance Studies (Mus 1200 through 1219) and Class Piano (Mus 1044). Music majors at advanced performance levels (those enrolled in Mus 3200 through 3219, after passing the jury examination) are entitled to a waiver of this fee. (Note: Applied music instructors are not expected to make up sessions for unexcused student absences from scheduled lessons.)

Supplemental Fees

Application Fee—A nonrefundable fee of \$25 must be submitted with a paper application for admission to UMM. The online application fee is \$10.

Admissions Confirmation Fee—A fee of \$100 is necessary for students to show their intent to enroll at UMM.

Credit by Examination Fee—A fee of \$30 per examination is charged to students seeking credit for acquired knowledge that they believe is comparable to that required to complete a specific course offered at UMM.

Health Insurance Fee (optional except for noncitizens)—Health insurance coverage is available to students through a UMM group plan. Annual coverage cost is \$416. Students from foreign countries are required to purchase the UMM group health insurance or seek a waiver based on proof of equivalent coverage. For more information, call Health Services at 320-589-6070.

U-Card Replacement Fee—A fee of \$15 is charged to replace a U-Card, the University's identification card. The fee applies to registered UMM students who have lost or damaged their cards.

Locker Fee (optional)—A fee of \$10 per year is charged for use of a locker and towel service in the Physical Education Center. The lock deposit of \$3 is refundable at the time the lock is returned—see Deposits on page 18.

MPIRG Fee (optional)—The Minnesota Public Interest Research Group (MPIRG) is a nonprofit, nonpartisan, student-run organization funded by an optional student fee of \$4.13 per semester. A statewide advocacy group, MPIRG provides students the opportunity to speak out on public issues and work for social change. Students may, at the time of registration, elect not to be billed for this fee or may recover it during a refund period scheduled each semester by local representatives.

Parking Fee (optional)—A fee of \$60 per academic year is charged for a permit to park in campus lots.

Placement Service Fee (optional)—A fee of \$40 is charged for use of the college placement service in seeking employment.

Testing Service Fees—Students are assessed administration and scoring costs for national testing services. The Test Center is located in the Student Counseling office.

Transcript Fees—Unofficial transcripts are available at no cost to currently registered students for advising purposes. Official transcripts are issued for off-campus use at the student's signed request. There is a fee for official transcripts. Transcripts are processed in two to three working days. Same-day and fax

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service are also available at a higher rate. For current prices, students should call the Registrar's Office (320-589-6030) or go to the Web at <www.mrs.umn.edu/services/registrar>. For overnight delivery, students must provide a prepaid and completely addressed express mailer.

SLC Fee (optional)—A fee of \$3.18 per semester is charged to students, by Regents' authority, to support the Student Legislative Coalition. SLC lobbies to express student views on University quality, affordability, and accessibility. Students may, at the time of registration, elect not to be billed for this fee.

Deposits

Housing Deposit—A \$200 nonrefundable deposit must be paid by all newly admitted UMM students seeking on-campus housing.

Key Return Deposit—A \$10 refundable deposit is charged for each key issued for an outside door of, or a room in, a campus building to ensure its return.

Lock Deposit—A \$3 refundable deposit is charged for the loan of a combination lock for use on a campus locker—see Locker Fee on page 17.

Payments

Students must pay tuition, student services fees, special course fees, room and board, and other financial obligations by the due date shown on the billing statement. It is the student's obligation to pay bills on time in order to avoid late fees.

Installment Option Fee

An installment payment fee of \$10 is charged to students who wish to pay the above fees in three installments instead of all at once. The election is made at the cashier windows on or before the due date shown on the billing statement, at which time the first installment also is payable.

Late Payment Fees

For those paying the above fees in full, a late payment fee of \$25 is charged if they are not paid by the due date shown on the billing statement. Another \$15 is charged if the fees are not paid by the due date on the second billing statement, and another \$15 is charged if the fees are not paid by the end of the semester. For those paying in installments, a late payment fee of \$15 is charged if the second installment is not paid by the due date on the second billing statement and another \$15 is charged if the installment is not paid by the end of the semester.

Financial Aid

The goal of the UMM financial aid program is to enable all qualified students to attend UMM regardless of their available financial resources. The program is designed to provide financial assistance to as many students as possible in an equitable and consistent manner. Typically, more than 90 percent of the UMM student body receives some type of financial aid in the form of scholarships, grants, student employment, and loans.

Eligibility

The primary tool that the University uses to determine student eligibility for financial aid is the Free Application for Federal Student Aid (FAFSA). This system analyzes the financial resources of students and their families in a standardized manner.

The amount of aid that a student is eligible to receive is based on financial need. Financial need is determined by subtracting what the federal government determines a student and his or her parents can afford to pay from the actual cost of attending UMM. Items normally calculated in the cost of attending college include tuition, fees, room and board, books, supplies, personal living expenses, and transportation.

The family's share of the college expenses comes from the student's and the parents' income, assets, and other outside resources.

UMM uses information from the FAFSA only as a guide. Individual attention is given to the special circumstances of each student's financial situation. Once this situation is evaluated, the UMM Office of Admissions and Financial Aid will award scholarships, grants, loan funds, or student employment to meet the student's demonstrated need.

Application Procedures

Students who want to be considered for all types of financial aid should complete the following:

1. An application for admission to the University of Minnesota, Morris.
2. The Free Application for Federal Student Aid (FAFSA). Submit the FAFSA and indicate University of Minnesota, Morris, federal school code number 002389. (Note: Completion of the FAFSA requires student and parent federal tax return information.)

To receive priority consideration for financial aid, complete the FAFSA by March 1. Any FAFSA received by UMM after the deadline will be considered as funds are available. Financial aid is awarded on a continuous basis throughout the school year.

Renewal

Financial aid is renewable each year as long as academic progress requirements are met and the student's financial circumstances continue to justify need. A student must reapply for financial aid annually by completing the Free Application for Federal Student Aid (FAFSA) or the renewal application. As a student's financial situation changes, the aid award is adjusted accordingly. For complete details of the academic progress requirements, see Academic Progress Requirements in the College Regulations section of this catalog.

Primary Types of Aid

Scholarships and Grants

National Merit Scholarship Program—Finalists in the National Merit Scholarship Program are eligible for a four-year full-tuition scholarship. These students must be admitted to UMM and indicate UMM as their first-choice school to the National Merit Corporation. Funding for the full-tuition scholarship comes from National Merit and UMM and is renewable. No separate application is needed; however, documentation and verification of finalist status may be required.

National Merit Semi-Finalists and Commended scholars named by National Merit are eligible for a \$1,000 scholarship per year for four years.

Presidential Scholarship—The University of Minnesota, Morris participates in the Presidential Scholarship Program. Recipients are selected according to criteria based on academic performance, evidence of leadership, and potential for scholastic achievement and contribution to the University community. The Presidential Scholarship of \$2,000 per year is renewable.

President's Outstanding Minority Scholarship—The University of Minnesota, Morris participates in the President's Outstanding Minority Scholarship program. Recipients are selected from minority student applicants who are high school seniors, have superior academic records and college aptitude test scores, and demonstrate qualities of leadership and creativity. This program provides awards

ranging from \$1,000 to \$3,000 per year, renewable each year for a maximum of four years.

UMM Academic Scholarship—UMM has an Academic Scholarship Program for freshmen in the upper 20 percent of their high school graduating class. The following scholarships are awarded based on resident tuition and are renewable (for a total duration of four years):

- **Chancellor's Scholarship**—A scholarship of \$2,000 each year is awarded to all recent graduates in the top 5% of their graduating class (95-99 percentile).
- **Dean's Scholarship**—A scholarship of \$1,500 each year is awarded to all recent graduates in the top 10% of their graduating class (90-94 percentile).
- **Founder's Scholarship**—A scholarship of \$500 each year is awarded to all recent graduates in the top 20% of their graduating class (80-89 percentile).

Transfer Academic Scholarships—These scholarships are available to those transferring to UMM with at least one year's worth of credits from another accredited institution. Transfer students with a cumulative Grade Point Average (GPA) of at least 3.75 qualify for a one-half tuition scholarship, and those with a GPA of at least 3.50 qualify for a one-fourth tuition scholarship. These scholarships can be used during the student's first year at UMM and are based on resident tuition.

Josephine L. Merriam Scholarship—This scholarship is awarded to male high school graduates for use during their freshman year at the University of Minnesota.

William W. Stout Scholarship— This scholarship is awarded to female high school graduates for use during their freshman year at the University of Minnesota.

Federal Supplemental Educational Opportunity Grant (SEOG)—The Federal Supplemental Educational Opportunity Grant is restricted to undergraduate students who demonstrate financial need. This grant ranges from \$100 to \$4,000 based on financial need, enrollment status, the availability of funds, and the amount of other aid the student is receiving.

Federal Pell Grant—This grant is awarded to students who are pursuing a first undergraduate degree or teaching certification. The amount of the Federal Pell Grant is based on financial need. The actual Federal Pell Grant Award will depend on the cost of education, the amount of federal funds available, and the student's enrollment status during the academic year.

Minnesota State Grant—The Minnesota Higher Education Services Office (MHESO) offers this grant to Minnesota resident students attending an eligible Minnesota institution. Minnesota State Grant is restricted to undergraduate students who demonstrate financial need. State grant eligibility is limited to full-time enrollment for eight semesters or the equivalent.

University Scholarship—Scholarships from University funds are awarded to students who demonstrate financial need as determined by Office of Admissions and Financial Aid criteria.

Endowed Scholarship—There are a number of endowed scholarships available as a result of gifts from alumni and friends of the University. Income from these funds is awarded to students meeting the specific requirements of the scholarships. See Special Scholarship Programs below.

Loan Programs

Federal Perkins Loan—The Federal Perkins Loan carries an interest rate of 5 percent. The actual amount of the loan is determined by financial need, the availability of loan funds, the amount of other aid, and the school’s financial aid awarding criteria. Full-time students may borrow a maximum of \$4,000 per year not to exceed \$20,000 for undergraduate study. Disbursements are made in halves.

Repayment of the Federal Perkins Loan begins nine months after the student graduates, withdraws, or ceases to be enrolled at least half time. No interest accrues on the loan while the student is enrolled.

Ford Federal Direct Subsidized Loan—This low-interest loan is available from the government to students who demonstrate financial need.

If eligible, students may borrow as indicated below.

Credits completed	Maximum amount per year
29 or less	\$ 2,625
30 through 59	3,500
60 or more	5,500

Undergraduates may borrow a total of \$23,000. The government deducts a 3 percent origination fee from each disbursement. Disbursements are made in halves.

The interest rate is variable, not to exceed 8.25 percent. The federal government pays interest on the loan for students until the start of the repayment period. Payment begins six months after students leave school or cease to be enrolled at least half time.

Ford Federal Direct Unsubsidized Loan—This low-interest loan is available from the government to students who do not demonstrate financial need. Students are charged interest on this loan but can defer the interest while enrolled at least half time. If students decide to defer the in-school interest, the accrued interest is capitalized and added to the loan principal when students begin repayment.

The combined total amount of Ford Federal Direct Subsidized Loan and Ford Federal Direct Unsubsidized Loan cannot exceed the following.

Credits completed	Maximum amount per year
29 or less	\$ 2,625
30 through 59	3,500
60 or more	5,500

Dependent undergraduate students may borrow a total of \$23,000. Independent undergraduate students may borrow \$46,000 (only \$23,000 of this amount may be in subsidized loans).

The government deducts a 3 percent origination fee from each disbursement. Disbursements are made in halves.

The interest rate is variable, not to exceed 8.25 percent. Payment begins six months after students leave school or cease to be enrolled at least half time.

Student Educational Loan Fund (SELF)—The SELF loan is a Minnesota program that help students who are not eligible for Ford Federal Direct Subsidized Loans, need to borrow more than existing programs allow, and have limited access to other financial aid programs. The Minnesota Higher Education Services Office (MHESO) is the program’s lender.

Students may borrow as indicated below.

Credits completed	Maximum amount per year
59 or less	\$ 4,500
60 or more	6,000

Undergraduates may borrow a total of \$25,000. Disbursements are made in halves.

To qualify, every student who applies for a SELF loan must have a credit-worthy cosigner.

The SELF loan interest rate varies each semester for the life of the loan. The SELF loan is always in repayment. There is no grace period or payment deferment. SELF program applications are available in the Office of Admissions and Financial Aid.

Ford Federal Direct Parent Loans for Students (PLUS)—This loan is for parents of dependent undergraduates. Parents may borrow up to the cost of attendance minus other financial aid. The loan is applied to the student's tuition, fees, room, board, and other school charges. If any money remains, the parents or the student receive the balance.

The government deducts 3 percent origination fee from each disbursement. The interest rate is variable, not to exceed 9 percent. Disbursements are made in halves.

Repayment begins within 60 days of receiving the check. Interest, however, begins accruing upon disbursement.

Student Employment

There are three types of student employment: federal work-study, state work-study, and institutional employment. Eligibility requirements differ for each; however, students must be registered for a minimum of 6 credits per academic term to remain eligible for student employment.

Employment is awarded by the Office of Admissions and Financial Aid and may be part of students' financial aid award. A list of eligible students, along with their skills and majors, is given to departments and offices on campus.

Every UMM department and office employs students; however, positions are limited. Students should contact campus departments and offices during spring semester to arrange employment for the following academic year. Some off-campus positions provide students the opportunity to perform community service work.

Once students have secured a job, a *Work-Study Eligibility and Employment Contract* must be completed. Before beginning work, students must complete a set of payroll documents in the Office of Admissions and Financial Aid. A driver's license and Social Security card are necessary for completing these documents in a timely manner.

When payroll documents and the employment contract are completed, student employment checks will be received on a bi-weekly basis, as time sheets are submitted. Student employment checks are given directly to students for use as needed for educational expenses. Students are allowed to work more than one job, if they so desire; however, they are limited to a maximum of 20 hours per pay period.

For more information, refer to the *Student Employment Policy and Rules* book available in the Office of Admissions and Financial Aid.

Internships

Minority Alumni Mentorship Program—This program benefits full-time minority students who are sophomores, juniors, or seniors and offers the experience of working one-on-one with UMM faculty. Contact the Minority Student Program Office for more information.

Morris Administrative Internships—This program benefits full-time juniors and offers the experience of working one-on-one with UMM faculty, professional academic staff, and civil service staff. Contact the Office of the Vice Chancellor for Academic Affairs and Dean for more information.

Morris Academic Partners—This program benefits full-time juniors and offers the experience of working one-on-one with UMM faculty. Contact the Office of the Vice Chancellor for Academic Affairs and Dean for more information.

Special Scholarship Programs

Recipients of the following scholarships are chosen by the Office of Admissions and Financial Aid in consultation with specific academic disciplines based on the special criteria established by the donor(s). No application is required or available for these scholarships. Recipients are notified directly by the Office of Admissions and Financial Aid.

Beta Sigma Psi/Chi Phi Scholarship—Established by alumni of two former UMM fraternities. The Beta Sigma Psi fraternity was on campus from 1968 to 1985; the Chi Phi fraternity from 1985 to 1990. Both groups were Christian based and involved in a number of community and campus volunteer activities. Based on financial need and academic merit, the scholarship is awarded to male freshmen.

Bridgford Orvis Scholarship—Established by Betty Bridgford Orvis and her husband, Robert Orvis, in memory of Betty's father, Roy Bridgford. Roy was an instructor in agronomy and soils at the West Central School of Agriculture from 1918 to 1956. Based on financial need and academic merit, it is preferably awarded to a student with a background in agriculture.

Vern Brown Scholarship—Established to recognize Vern Brown's 32 years of service at UMM in its Business Services area. Candidates must be majoring in management and/or

economics with preference given to those with financial need and coming from a farm background.

Community First Scholarship—Established in 1995 by the Community First Bank Contributions Committee. The scholarship is awarded annually to a student within the bank's service area who demonstrates financial need.

Herb Croom Scholarship—The UMM Alumni Association endowed this scholarship in honor of the late Herbert G. Croom. Awarded annually to a freshman based on academic merit and financial need. Eligible students are direct descendants of UMM or West Central School of Agriculture (WCSA) alumni.

Ethel M. Curry Scholarship—Awarded to at least one-fourth Native American, full-time freshmen. Preference is given to Minnesota residents. This scholarship is renewable for four years based on good academic standing. See the Academic Progress Requirements section in this catalog.

Brion Dalager Memorial Scholarship—Awarded annually to students who have demonstrated outstanding ability in the UMM Concert Band. Established by the family and friends of Brion Dalager, former UMM music student.

Lynette M. Eystad Memorial Scholarship—Lynette Eystad was employed at UMM from January 1989 through November 1994. This scholarship was established by her husband Dan and their four children. The scholarship is awarded annually to a returning student majoring in management or economics. Preference is given to women and to Hancock or Morris Area High School graduates.

First Federal Savings Bank Scholarship—Established in 1993 by the bank's board of directors. It is awarded to a student from the bank's service area—Morris, Breckenridge, or Benson—on the basis of financial need and academic merit. The scholarship may be renewed.

Russel M. Fischer Scholarship—Awarded annually to an upper division student who is a resident of South Dakota and participates in UMM extracurricular activities that provide leadership skills. Russel Fischer joined the UMM Chancellor's Advisory Council in 1995.

Linda Freeman Scholarship—Linda Freeman established this scholarship to assist an upper division, nontraditional student majoring in English. It is based on financial need. Freeman

graduated from UMM while raising her two daughters, working full time, and serving in a number of civic organizations.

Joseph P. Gandrud Endowed Scholarship—Established by Robert and Nancy Gandrud in honor of Robert's father Joseph, a longtime Glenwood area farmer. This scholarship is awarded annually to a student who has graduated from the Minnewaska Area High School and demonstrates financial need.

Clayton A. Gay Memorial Scholarship—Established in memory of Clayton A. Gay, a Morris attorney who helped establish UMM as a four-year liberal arts campus. It is given on the basis of financial need to freshmen who reside in Stevens County.

Gertrude Gaffney Hanlon Memorial Scholarship—Established in 1993, this scholarship provides assistance to UMM students with financial need. Funds are provided from the estate of Dorothy Hanlon, daughter of Gertrude Gaffney. Dorothy Hanlon was a teacher and administrator with the Bureau of Indian Affairs for many years.

Hansen Memorial Scholarship—Established by the children of Daisy Regis Hansen and Harry A. Hansen. Daisy was a UMM faculty member who taught stringed instrument technique and, for a time, served as concert mistress of the UMM Orchestra. Harry worked as custodian in the Morris public schools. The scholarship is presented to a student majoring in music or music education on the basis of academic merit, including outstanding musical performance.

John Q. Imholte Scholarship—Established in 1990 on the occasion of Jack Imholte's stepping down after 21 years as UMM chancellor. It is awarded to upper division students who have completed 90 credits of coursework and demonstrated outstanding academic ability.

Helen and Carl Iverson Memorial Scholarship—Carl Iverson was a state senator and helped establish the state college system, UMM, and the University of Minnesota College of Veterinary Medicine. He and his wife, Helen, established scholarships for students from Otter Tail and Grant Counties.

Dorothybelle and Edward Kaufman Appleton Scholarship—Recipients of this scholarship, established by Dorothybelle and Edward Kaufman of Appleton, MN, must have a permanent home residence within the boundaries of School District #784 and have completed a minimum of 75 credits at UMM with a GPA of at least 3.50. They must complete a degree at UMM on a full-time basis.

Mary Jo Kwako Scholarship—Established in honor of the late Mary Jo Kwako, former UMM student (1965-68), by family and friends. The scholarship is awarded to UMM students who have demonstrated academic merit and financial need.

LaFave Scholarship—Awarded to women 20 years of age or older who are admissible degree candidates and have been out of high school for at least two years. The scholarship is donated by Edward and Patricia LaFave, longtime Morris residents who helped establish UMM.

Estelle Lee Scholarship—From the estate of Estelle Lundring Lee, a longtime Morris resident and UMM friend. The scholarship is awarded to those planning to teach in elementary, secondary, or higher education.

Theodore S. and Tone H. Long Scholarship—Ted Long taught English at the West Central School of Agriculture from 1925 to 1960 and at UMM from 1960 to 1969. His wife, Tone, taught home economics at the agriculture school from 1927 to 1937. The scholarship is awarded on the basis of merit and motivation.

Dian and Andy Lopez Scholarship—Established in 1994 by Dian and Andy Lopez, UMM computer science faculty, this scholarship is awarded to women or American minority computer science majors. Recipients must be third-year students with a GPA of at least 3.00.

Carol and Roger McCannon Scholarships—The McCannon Nontraditional Scholarship is awarded to a student 24 years of age or older and attending UMM or taking courses at UMM through Continuing Education. The McCannon Student Athlete Scholarship is awarded to a student in good academic standing who intends to be or is a UMM intercollegiate athlete and demonstrates a commitment to community service. Roger McCannon has been the director of Continuing Education at UMM since 1975. Carol McCannon is currently the student activities program adviser and Campus Compact coordinator.

McCree/Kaufman Scholarships—Established by Dorothybelle and Edward Kaufman of Appleton, MN, in memory of their parents. The A. Amos McCree scholarship is given to a student majoring in mathematics or computer science, the Alice Mills McCree scholarship to a student majoring in theatre arts, the Andrew Kaufman scholarship to a student majoring in the natural sciences, and the Kate McCoy Kaufman scholarship to a student majoring in elementary education. Students must have demonstrated academic excellence and potential in the field.

Matthew Mehr Scholarship—Established by Clear With Computers, Inc. in memory of Matthew Mehr. This scholarship is awarded annually to students pursuing a career in physical therapy or occupational therapy.

Minnegasco Scholarship—Given by Minnegasco, an area gas and electric business, to an outstanding minority student of U.S. citizenship majoring in computer science or pre-engineering.

Morrison Scholarships—Given by Edward and Helen Jane Morrison of Morris, who helped establish UMM, in memory of Ed's parents. J. C. Morrison was owner-publisher of the *Morris Sun* and *Morris Tribune* from 1898 to 1954. The Edna Murphy Morrison Scholarship is awarded to outstanding music majors. The J. C. Morrison Scholarship is given to English majors. Both are awarded on the basis of academic merit.

Otter Tail Power Company Scholarship—Awarded to a needy and deserving freshman student. Otter Tail Power has been an important part of the Morris community for many years and a longtime supporter of UMM.

Bill Stewart Minority Student Scholarship—Established to honor Bill Stewart, longtime director of UMM's Minority Student Program, and reaffirm UMM's commitment to diversity. This scholarship is awarded to financially needy minority students who are planning to major in math or one of the sciences and intending to pursue a graduate degree.

Mark C. Sticha Scholarship—Mark Sticha is a 1975 graduate of UMM and established this scholarship in honor of his parents, Miles and Laverne Sticha. The scholarship goes to a freshman from Todd County who is from a working farm family.

Ted Uehling Scholarship—Established to honor Ted Uehling, former professor of philosophy at UMM. This scholarship is to be awarded to African American students majoring in philosophy.

UMM Alumni Association Scholarship—Gifts from the UMM Alumni Association make this scholarship possible. It is designated for first-year students and intended to support UMM's Freshman Academic Scholarship program.

University Association-Lucy Imholte Scholarship—Presented to full-time sophomores from the Morris area who have demonstrated scholastic achievement during their freshman year at UMM. Lucy Imholte, former president of the University Association, has been active in a number of Morris community organizations.

General Information

Alice Weickert Memorial Scholarship—This scholarship is awarded to UMM students demonstrating need and academic achievement. Alice Weickert was a longtime Morris elementary school principal.

Leroy Welfare Scholarship—Established by his granddaughter Judy Blair, a UMM alumna. This scholarship is awarded annually to a political science major.

Carrie Wickstrom Scholarship—Awarded annually to students seeking teaching licensure in elementary education and based on financial need.

Seventh District Minnesota Federation of Women's Club Scholarship—Awarded to deserving students based on financial need.

Other State and Federal Programs

Robert C. Byrd Honors Scholarship—This federal program provides renewable scholarships of \$1,500 for the first year of postsecondary education to high school seniors who have demonstrated outstanding academic achievement. Students can apply through their high school and should contact their principal or counselor for the application. For more information, contact the Minnesota Department of Education, Office of State and Federal Programs.

Division of Rehabilitation Services Grant (DRS)—Educational benefits are available to students with a disability that is considered a handicap to employment. The amount received is based on individual needs and program requirements. Contact the local DRS Office or the Minnesota State Office (651-296-5616) to apply for these benefits.

Minnesota Indian Scholarship and Tribal (BIA) Scholarship—These scholarships are awarded to students who show membership in a state or federally recognized American Indian tribe. To receive funding from the Minnesota Indian Scholarship Program (MISP), a student needs to have at least one-fourth blood quantum and be a Minnesota resident. The scholarship is based on financial need.

Students enrolled with a state or federally recognized tribe are encouraged to apply for BIA funds by directly contacting the BIA Higher Education Program. The amount awarded is based on financial need and availability of funds. Students are encouraged to apply with their tribe as early as possible before beginning their enrollment.

Students receive an official notification of an award from the Minnesota Indian and/or Tribal Scholarship Program and the Office of Admissions and Financial Aid.

Special Eligibility Programs

Students With Disabilities—In addition to the usual financial aid, students with disabilities may be eligible for other types of aid.

- Blind students may be eligible for additional assistance available through the Minnesota State Services for the Blind, 2200 University Avenue West, Suite 240, St. Paul, MN 55114.
- The Survivors' and Dependents' Educational Assistance Program provides assistance and training opportunities to eligible dependents of certain veterans. Contact the Department of Veterans Affairs, Regional Office and Insurance Center, Bishop Henry Whipple Federal Building, 1 Federal Drive, Fort Snelling, St. Paul, MN 55111 (1-800-827-1000, TDD 1-800-829-4833).

Financial aid for other students with disabilities may be available through the Minnesota Division of Rehabilitation Services. For more information, contact the DRS Liaison Office, 390 North Robert Street, St. Paul, MN 55101 (651-296-5616), or a local DRS office.

American Indian Tuition Waiver—In recognition of the Morris campus's history as an Indian Boarding School in the 1800s, the Minnesota legislature mandated that American Indians attending Morris are not required to pay tuition. To be eligible for the tuition waiver, students must show membership in a state or federally recognized American Indian tribe or provide other documentation or certification of American Indian ancestry/heritage. Applicants are not required to be residents of Minnesota. For more information, contact the Office of Admissions and Financial Aid, 105 Behmler Hall, 600 East 4th Street, Morris, MN 56267-2199.

Nonresident Students—Nonresident students in the top 25 percent of their high school graduating class and nonresident transfer students with at least one year of transferable credits and a GPA of 3.00 or greater qualify for Minnesota resident tuition rates.

Tuition Reciprocity—Tuition reciprocity allows residents of other states that have agreements with Minnesota to pay in-state tuition rates. Students from South Dakota, North Dakota, and Manitoba qualify for the Minnesota in-state tuition rate. Students from Wisconsin pay their comparable state rate.

Midwest Student Exchange Program—The Midwest Student Exchange Program is an agreement with Kansas, Michigan, Missouri, and Nebraska. Students from these states pay 150 percent of the Minnesota resident tuition.

Minority Encouragement Program—This academic support program for St. Paul, Minnesota, school students enables more minority students to complete four-year college degrees. Each year, students with potential are selected by the St. Paul Public School District to participate in this program. UMM covers the cost of tuition, fees, and course books once students have been admitted to UMM as full-time students. Financial assistance is available until the student graduates or for a maximum of five years.

Disadvantaged Students—Nonresident students who demonstrate a very high level of financial need and no means of family support for college expenses may be considered for resident tuition. Requests for such consideration should be made in writing to the Office of Admissions and Financial Aid, 105 Behmler Hall, 600 East Fourth Street, Morris, MN 56267-2199.

Veterans' Education Benefits—UMM is approved by the Minnesota State Approving Agency to participate in all Veterans' Education Assistance Programs. These programs include benefits for those who have served on active duty and their eligible dependents, as well as members of the Reserve and National Guard.

At UMM, students will find a wide range of activities and services that can enhance their education and enrich their personal experience. They will be part of a learning community that is continually changing and growing. UMM is a friendly campus where students will come to know many fellow students and staff members on a first-name basis. Each person is not just another student, but an individual responsible for making his or her own decisions and using the many resources of the campus to make the most of her or his education.

Many of the student services and extracurricular opportunities available at UMM are described below. Campus services from Financial Aid to Health Service support students during their college experience. Varied social, educational, and recreational programs extend learning beyond the classroom and provide a full range of night and weekend activities. Opportunities include participation in more than 85 student clubs and organizations where students write for the campus newspaper, deejay on the student radio station, and pursue interests from theatre to international affairs. A complete program of intercollegiate athletics, intramural/club sports, and personal fitness is available for women and men, teams and individuals. Each of these services and activities enhances the UMM college experience. For the most complete listing of resources and student services on the Morris campus, students should refer to the *Student Life Handbook*, available online at <www.mrs.umn.edu/services/reslife/>.

Briggs Library

Rodney A. Briggs Library serves as an information center to provide a full range of library services in support of UMM's academic programs. Its collection includes more than 184,000 volumes and 900 journal subscriptions. The library is also a partial federal and state documents depository, providing access to census and other statistical and governmental information. It maintains a quality collection of children's books and teaching preparation materials to support students majoring in education. It also has a computerized catalog that can be searched from computers both in the library and from remote locations. The library's Web site is a gateway to a variety of free and fee-based Internet resources. All new students are offered instruction in finding and using electronic indexes and print reference sources in the information literacy component of the First-Year Seminar.

The library is open every day for a total of over 90 hours a week during the academic year. It provides individual study carrels, group study rooms, and an "absolute quiet" study floor.

In addition to materials and services available on campus, Briggs Library is linked through the Internet to the University of Minnesota, Twin Cities campus libraries and other libraries around Minnesota and the world. The library's interlibrary loan service has a very high success rate for obtaining materials from other libraries allowing UMM students to do academic work that would not otherwise be possible from a campus this size.

Media Services

Media Services supports the instructional, research, and outreach mission of the UMM campus by providing a wide range of instructional media services. It maintains a pool of instructional equipment, including laptop computers and data projectors, that is available for instructional and institutional use. All general-purpose classrooms are equipped with an overhead projector and screen, and many rooms are equipped with videotape players and television monitors. Select classrooms are equipped with data/video projection systems.

Media production services include video and audio production, photography, slide production, multimedia, and digital graphics. Workshops are provided to the campus community on the use of computer graphics software, including PowerPoint, Photoshop, digital imaging, and Web page design. Television studios and associated video production equipment are available for curricular and extracurricular activities. Media Services maintains four interactive television sites, which provide ITV service through two networks: 1) all-University and 2) statewide to all higher education institutions.

As well as producing classroom materials for faculty, Media Services helps students when their coursework calls for the use of media, equipment, or the production of instructional materials.

Computing Services

Computing Services supports all UMM instructional, research, and administrative programs. It provides the UMM campus network, ResNet access in all residence halls,

central Web and e-mail services, Internet access, the central campus computer help desk, and seven public student labs with free printing on about 120 Macintosh and Windows computers. The help desk, staffed 66 hours a week, is located in Computing Services' main facility in 10 Behmler. Three of the computer labs are open 24 hours a day during the academic year.

The Computing Services Web site provides easy online access to user handouts, information, articles, online forms, and free training workshops. Access to all UMM computing facilities is free to all students. Software including Web and Internet utilities, electronic mail, word processing, statistical packages, graphics, spreadsheets, databases, and compilers are all available on Computing Services lab computers. All UMM students have e-mail and Web server accounts, and all students retain their system accounts until they leave UMM.

UMM's Internet domain name for Web services and e-mail is *mrs.umn.edu*. The electronic library system, all University of Minnesota student services, campus printers, and other central services are all accessible directly from high-speed switched ResNet network connections in every UMM residence hall room.

Computing Services is also available on the Web (see the UMM Web directory in this catalog).

Registrar's Office

Staff members in the Registrar's Office are available to help students, faculty, and staff with questions and problems concerning academic records. Assistance is available on a walk-in basis, by appointment, or by telephone. The Registrar's Office is located in 212 Behmler Hall (320-589-6030).

The Registrar's Office integrates the Morris campus academic record-keeping system, the transcript system, and student self registration through the Student Access System on the Web. Students may also come to the Registrar's Office, where staff will assist them with registration. The office manages registration procedures, controls the permanent records for day school students, and monitors fulfillment of general education, degree, and honors requirements.

Other services available to students include provision of Academic Progress and Advising System (APAS) reports, transcripts of academic records, certification of full-time attendance for loan deferments and scholarships, processing of graduation applications, and certification of eligibility for good-student discounts on auto insurance.

Student Counseling

Students face more than just academic challenge while attending UMM. Many of them face their passage into adulthood. Student Counseling at Morris helps students through this passage on intellectual, physical, spiritual, emotional, occupational, and social levels. Counseling staff help students become aware of potential problems, pitfalls, and opportunities during this exciting, challenging, and often difficult transition in life.

Students are offered short-term, individual, personal, or undecided major/career counseling. Many students use this service to share feelings and concerns or to discuss problems in a comfortable and confidential setting. All students are entitled to this service free of charge.

Student Counseling is committed to working closely with student leaders. In an advisory capacity, the counseling staff supports the resident advisers, the Third Ear Program, and Peer Health Educators. The Third Ear Program is a student organization that serves as a referral and information service and provides programming and peer support on emotional issues and concerns. Peer Health Educators is a select group of volunteer students who provide information and programs to students on primarily physical health and wellness issues. Both groups work in the Wellness Center on the ground floor of Gay Hall, next to the Health Service.

Student Counseling is UMM's testing center for institutional placement exams (mathematics and foreign language), exams for credit (CLEP), and national undergraduate and graduate school admission or licensing exams (ACT, GRE, MCAT, MAT, DAT, PCAT, OCAT, VCAT, LSAT, GMAT, PPST). Questions regarding test registration and procedures can be answered by the staff. Student Counseling also provides clinical and personality testing inventories for UMM students.

Student Counseling staff also serve as a confidential resource for students who feel victimized by sexual, racial, or transgender harassment. When students believe they have been harassed, they can speak to staff in a completely confidential and safe environment.

The Career Center

The Career Center offers a variety of career planning, field experience education, and job placement services. These services are available to both current students and alumni who need assistance in establishing career planning and job search strategies.

Career planning activities offer the opportunity to evaluate skills, values, and interests that affect career decision making. The process of career planning may include personal counseling, exploration of current information in the Career Library, occupational testing, and participation in life/work planning and career outreach groups.

Field experience education at UMM is offered through an internship program. Internships provide the opportunity to earn credit for study and work in one's chosen field. UMM has established internships in business, counseling, public relations, television and radio production, social work, public administration, computer programming, education, scientific research, and many other fields.

Placement services assist students and alumni in seeking employment or admission to graduate or professional schools. These services include publishing job vacancies in education, government, business, and industry; establishing and maintaining credentials for education graduates and alumni who register with the office; arranging on- and off-campus interviews between employers and registrants; collecting and maintaining current information about salary and employment trends; and offering assistance with résumé and letter writing, job search, and interviewing techniques.

Minority Student Program

The Minority Student Program (MSP), instituted as a response to the educational and socioeconomic problems fostered by racism and prejudice in our society, is dedicated to working with student affairs and academic offices to provide assistance to meet the special concerns of ethnic minority students. MSP works to ensure a stable, strong, and supportive environment for ethnic minority students by providing academic assistance and other quality student supportive services designed to improve the opportunities for minority students to participate fully in the life of the University.

Commission on Women, Women's Resource Center, and Women of Color

UMM is the home of various organizations that promote the growth and development of women faculty, staff, and students. The Commission on Women (CW) is an all-University organization of women faculty and staff created in 1988 by the University's *Minnesota Plan II* as part of a system-wide initiative to improve the working and learning environments for women at the University. Under the leadership of a coordinator, the UMM Commission on Women Advisory Board sponsors campus events that promote discussion of issues of interest to women. The UMM Commission on Women and the Women's Resource Center share an office in the lower level of the Student Center (Room 28) (320-589-6419).

The Women's Resource Center (WRC) is a campus organization for all students who support women's rights and equality. The WRC is also an educational center with books and periodicals available to the public.

Women of Color is a campus organization that promotes understanding of the experiences of women of color while helping to develop the diverse strengths and cultural values of these women. For more information, contact the Office of Student Activities, Student Center (320-589-6080).

Gay, Lesbian, Bisexual, Transgender, and Allied Resources

Two UMM organizations address issues concerning gay, lesbian, bisexual, and transgender (GLBT) people—the Queer Issues Committee and E-Quality.

The Queer Issues Committee, a subcommittee of the Student Services Committee, is composed of staff, faculty, and students who identify with or support the GLBT community. This committee sponsors the annual “Hearing All the Voices” week, coordinates the Safe Haven Program, and works to create a supportive campus environment.

E-Quality is a student organization that also identifies with and supports the GLBT community. Through social events, educational programs, and political activism, E-Quality promotes understanding to end stereotyping. E-Quality members coordinate the Gay, Lesbian, Bisexual, Transgender, and Allied Resource Center which is located in the Windflower Room on the lower level of the Student Center (320-589-6091). The center contains many publications relevant to GLBT issues, including videotapes, pamphlets, books, current newspapers, and national magazines. The center is staffed by UMM students, faculty, and staff dedicated to creating and maintaining a safe, confidential space for open dialogue and learning about issues of diverse sexuality. The center is open to the public.

Health Service

The Health Service functions as an outpatient clinic providing services similar to those of a family physician. The Health Service is located in Clayton A. Gay Hall.

All regularly enrolled students who pay the health service fee may use the Health Service. The following clinical services are free of charge: outpatient treatment of injuries and illnesses, immunizations, medications, and certain laboratory work. All Health Service records are confidential. Students should report emergencies and illnesses requiring a physician’s care directly to the Health Service. When the Health Service is closed, students may use the Stevens Community Memorial Hospital emergency room.

Because the health service fee does not pay for medical or surgical inpatient services at a hospital, all students should have insurance to cover these services. Student health insurance is offered through the Health Service. Applications are sent with registration materials. (See Health Insurance Fee under Supplemental Fees.)

Students With Disabilities

Because UMM is a small, student-centered college, it is a suitable choice for students with disabilities. Students with disabilities receive personal attention and are accommodated on an individualized basis.

UMM’s Disability Services office is located in 362 Briggs Library along with the Academic Assistance Center. Disability Services provides support for students with physical, mental, and/or cognitive disabilities. The disability services coordinator works with students to ensure that they receive appropriate accommodations and learn self-advocacy skills to protect their rights.

Students with disabilities are accommodated through a variety of means such as alternate print formats, alternate testing, note-takers, building orientation, classroom relocation, priority registration, sign language interpreters, and taped lectures and books. A strong peer-tutoring program, under the direction of the Academic Assistance Center, offers additional academic support. Disability Services also maintains a computer work station that is equipped with software such as JAWS, Kurzweil 3000, Naturally Speaking, and ZoomText.

The UMM campus is a mixture of old and new structures, and several of the older buildings on campus are only partially accessible. All teaching facilities and the library, student center, administration building, and food service building are accessible and have elevators. Students requiring wheelchair access to inaccessible buildings are served by faculty and staff at alternate locations. There is accessible living space in both conventional residence halls and campus apartments.

Students with disabilities are responsible for requesting accommodation far enough in advance for accommodations to be made. Persons with disabilities seeking assistance or information should contact Disability Services in 362 Briggs Library (320-589-6178 V/TDD; e-mail angfa@mrs.umn.edu).

Residential Life

Living on campus at UMM means being part of a very special community. Residence hall living gives students a unique opportunity to meet new friends and interact with a variety of people. Living on campus means being close to classes and facilities and encourages involvement in college activities. All residence hall rooms have direct UMM computer network access—one connection for each resident.

Variety makes living on campus attractive. UMM has five residence halls, ranging from a small, traditional setting like Pine or Blakely Hall to a large, contemporary setting like Independence or Gay Hall. Apartment living is also available in furnished, two-bedroom units designed for four students. Residential life at UMM includes the following options.

Blakely Hall is one of the original residence halls at UMM. Offering the only fireplace in a campus residence hall and a home-like atmosphere, Blakely Hall accommodates about 70 students. It is coeducational by alternate floors and has open visitation.

Clayton A. Gay Hall accommodates 235 students with 35 students living on each floor. There are two separate lounge areas and kitchenette-utility rooms on every floor. Gay Hall is coeducational by wing, floor, or alternating rooms and has open visitation.

Independence Hall accommodates 250 students in double rooms, with 20-30 students living in each wing. There are kitchenette-utility areas on each floor. Independence Hall is coeducational by either alternating rooms or wings and has open visitation.

Pine Hall, known for its unique location of privacy in a secluded area near the Humanities Fine Arts Center, houses 85 students. A kitchen and game room are located on the ground floor. All floors have an open guest policy and are coeducational by alternating floors.

Spooner Hall is a traditional-style residence hall. Designed to accommodate 90 students, it features large rooms and a comfortable atmosphere distinguished by the Inner Lounge, which is noted for its charm and warmth. Spooner Hall is coeducational by alternate floors and has open visitation.

The apartment complex at UMM offers facilities for 284 students. The four-person apartments have wall-to-wall carpeting, two double bedrooms, a kitchen-living room, and a

private bath. They provide the privacy of off-campus living arrangements with the convenience of being on campus.

Students living in the residence halls may choose to have single rooms, if space is available, at a slightly higher rate than that for double rooms. The residence halls are served by a central Food Service facility that is within easy walking distance. The apartments have cooking facilities in each unit.

For more information about on-campus housing, write to the Office of Residential Life (ORL) at Office of Residential Life, University of Minnesota, Morris, Morris, MN 56267-2134 (or by e-mail at housing@mrs.umn.edu). ORL can also be found on the UMM Web site at www.mrs.umn.edu/services/reslife/.

Student Center

The Student Center opened in 1992 and serves as a community center for UMM students, faculty, staff, alumni, and guests. The Student Center includes three primary gathering places: the Turtle Mountain Cafe, a popular location for lunch, studying, socializing, and meetings; Oyate Hall, a large multipurpose room with a fireplace lounge and panoramic view of the mall; and Edson Auditorium, home to many campus performances and events. In addition, the Student Center provides a campus information center, lounge and study space (including a 24-hour student lounge and computer lab), offices and meeting places for student activities and organizations, outdoor recreation and international travel services, and recreation areas including a TV lounge, game room, and vending area.

The facility is a center for cocurricular activity on the campus. The activities, events, and functions that take place in the Student Center—club meetings, dances, comedy performances, conferences and rallies, issue forums and spontaneous debate, world-class performances and lectures—enrich student life and are an integral part of the UMM experience.

Student Activities

The Office of Student Activities coordinates and supports UMM's extracurricular social, educational, cultural, and recreational programs. It provides professional assistance to student organizations and is perhaps the single best source of information and technical

expertise for individuals or groups of students who would like to get something done, see something happen on campus, or simply become involved. Through participating in student organizations, UMM students develop leadership and organizational skills, meet new people, make a difference on campus, and have fun.

Student Organizations

UMM has more than 85 student organizations, clubs, committees, and special interest groups. These organizations provide opportunities for involvement in the academic, social, cultural, religious, and recreational activities of the campus, as well as in local, national, and international issues. During new student orientation, UMM sponsors an Activity Fair that serves as a showcase for the many student organizations. The Activity Fair provides new students with an opportunity to meet students active in a particular organization and learn about the group's activities and events, gain an understanding of each organization's purposes and goals, and join the organizations that match their interests.

UMM student organizations include the Art Club, Asian Student Association, Big Friend/Little Friend, Black Student Union, Campus Activities Council, Concert Choir, Chronicle Alternative, Circle of Nations Indian Association, Dance Ensemble, E-Quality, Fencing Club, Imani, International Student Association, Inter-Varsity Christian Fellowship, Jazz Ensembles, KUMM student radio, Meinings, Minnesota Public Interest Research Group (MPIRG), Morris Campus Student Association, Nontraditional Student Association, Orchestral Society, Outdoor Club, Peer Health Educators, Psychology Club, Saddle Club, Soccer Club, United Latinos, *University Register* (student newspaper), and Women's Resource Center.

Morris Campus Student Association

The Morris Campus Student Association (MCSA) exists to represent the interests of students on the Morris campus of the University of Minnesota. The central policy-making body of UMM, the Campus Assembly, consists of faculty, staff, and elected student representatives. These students, along with

other elected or appointed student representatives, form the student government, the MCSA Forum. The Forum provides nearly all of the recommendations for student membership on campus committees. It is the major source for expressing student opinion and initiating legislative action to promote and protect student interests. Freshmen can become involved in the MCSA through the First-Year Council, an organization that provides information, social activity, and involvement in student government.

Campus Activities Council

The Campus Activities Council (CAC) is the major activities and events planning organization on the UMM campus. Through funds provided by the Activities Fee, CAC offers a wide variety of cultural, social, recreational, and educational programs. CAC events range from professional music, theatre, and dance performances to an annual lecture series, free weekly films, stand-up comedy, live music, and community-building picnics and activities. Each year CAC works to "bring the world to UMM."

Involvement in CAC may range from simply attending and enjoying a variety of events to becoming an active member of any of the five student committees: Concerts, Performing Arts, Homecoming and Traditions, Films, and Convocations (lectures). Each committee selects, organizes, and promotes events in its specific program area. Committees also work with other campus organizations to present unique special events.

Campus Activities Programming

In addition to the activities presented by the Campus Activities Council, a variety of other options for cultural enrichment and entertainment are available. A large number of student organizations and residence hall groups organize events and programs of their own. The UMM bands, choirs, and theatre also present outstanding performances.

Several week-long themes are addressed through a variety of program activities on campus each year. Early in the fall, *Homecoming* activities include a pepfest, a parade, the traditional football game, a homecoming dance, and more. The UMM Women's Resource Center addresses women's issues and recognizes women's accomplishments during *Women's Week*. *Black History Month* and *Cultural Heritage Week* focus campus attention on the issues, accomplishments, culture, history, and art of U.S. ethnic minorities.

Fine Arts Programs

The Campus Activities Council Performing Arts Series sponsors several performances by artists of national and international stature each year. The seven-event series of dance, music, and theatre includes the annual spring Jazz Festival featuring professional guest artists and jazz at its finest.

The UMM art and art history faculty arrange regular exhibits in the Art Gallery during the year. These exhibits include original works of artists from many periods and mediums, as well as displays of paintings, drawings, and sculptures by UMM students and faculty.

University theatre students and faculty produce classical and contemporary plays each semester during the academic year. In addition, the Meiningens, a student group dedicated to providing theatre experience for its members, offers dramatic productions.

Concerts are scheduled throughout the year by the UMM Concert Band, Orchestral Society, University Choir, Concert Choir, Jazz Choir, and Jazz Ensembles. Student and faculty recitals, vocal and instrumental, are scheduled frequently for student and community enjoyment.

Frequently changed displays of rare books are exhibited in the library. Included are general and specialized exhibits of books ranging from the medieval period to modern times.

Campus Media

KUMM—the U-90 Alternative (89.7FM) and *The University Register* provide the campus community with campus news, information, student opinions, and entertainment. KUMM broadcasts alternative radio seven days a week,

24 hours a day during the academic year. The student newspaper, *The University Register*, is published weekly throughout the academic year and is available in campus news boxes or online. KUMM and *The University Register* are student run organizations staffed by hundreds of dedicated volunteers.

Religious Organizations

Religious student organizations offer fellowship, service, and religious activities for UMM students. The Alpha and Omega, Inter-Varsity Christian Fellowship, United Campus Ministries, Morris Community Church Campus Ministries, and Free Church Campus Ministries provide an opportunity to meet together in study, prayer, and fellowship. The Catholic and Lutheran Campus Ministries provide off-campus fellowship and worship at their respective centers and offer a diversity of events throughout the year.

Sports and Recreation

Recreational activities and organized sports are important features of life at UMM. Since their inception, the intercollegiate and intramural athletic programs have attempted to contribute to the individual participant's general education. Opportunities for personal fitness, recreation, and team competition include state of the art fitness facilities in the new Regional Fitness Center, intercollegiate and club sports, intramural leagues, wellness and sports science courses, and indoor and outdoor recreation clubs. Through these athletic and recreational experiences, students have the opportunity to improve their level of personal fitness. The staff in wellness and sport science, intramurals and recreation, and the Regional Fitness Center are dedicated to helping the individual participant realize this goal.

Intercollegiate Athletics: UMM is a member of the Northern Sun Intercollegiate Conference (NSIC) and the National Collegiate Athletic Association (NCAA). The UMM Cougars compete in seven sports for men and nine sports for women. Men's NSIC varsity sports include football, basketball, wrestling, baseball, golf, tennis, and track and field. Women's NSIC varsity sports include volleyball, basketball, track and field, softball, tennis, golf, cross-country, and soccer. In addition, there is a U.S.A. wrestling program for women.

Intramural Sports: Men's, women's and co-ed intramural leagues are offered each semester in a variety of sports including flag football, basketball, volleyball, slow pitch softball, and hockey. Weekend tournaments and opportunities for individual competition typically include 3 on 3 basketball, ultimate frisbee, tennis, 4 on 4 basketball, and the annual Tinman Triathlon.

Sports Clubs: A number of sports clubs have been organized as a result of student-faculty interest. Soccer, men's volleyball, swimming, fencing, karate, and saddle clubs have many enthusiastic members.

Regional Fitness Center: The new Regional Fitness Center's recreation and fitness facilities serve members of the UMM and area communities. Cardio and strength machines, aerobics courses, court time, and a walking running track offer indoor recreation and fitness opportunities year round. Swimmers and divers spend many hours in the regulation NCAA/AAU pool, diving tank, and warm water pool.

A wide variety of leisure-time recreational opportunities are available to all students. There are pool and table tennis facilities in the residence halls. All students and faculty are encouraged to use the Regional Fitness Center and Physical Education Center facilities whenever possible.

Finally, for the outdoor enthusiast, there are excellent recreational facilities for fishing, hunting, boating, and skiing within a few miles of the Morris campus. An outdoor recreation club is active on the campus.

Each term, all UMM students receive the publication *Profile*, which is produced by the UMM Office of University Relations in cooperation with the Office of Alumni Relations.

Students can visit the Office of Alumni Relations on the Web (see the UMM Web Directory in this catalog).

Community Service

UMM belongs to the National Campus Compact Association that promotes and supports both community service and service-learning at colleges and universities. Community service activities at UMM include extracurricular service programs, such as the Tutoring, Reading, and Enabling Students (TREC) Program in the Morris school system; individual volunteerism including Big Friend/Little Friend mentor pairs; and short-term group projects such as a service project for first year students during orientation. The goals of these activities are to develop leadership skills, encourage civic participation, and connect UMM students with community members in the area. For more information on community service at UMM contact the Campus-Community Liaison in the Office of Student Activities. See also the section on Service Learning in the Academic Information section of this catalog.

Alumni Association

The UMM Alumni Association offers students opportunities for networking with alumni across the United States and around the world. Alumni often are willing to assist students in locating internships and jobs as well as offer advice about the "real world." An annual Alumni Career Fair brings alumni to campus for a day spent discussing educational and career development. The Minority Student Program Alumni Association, operating within the overall UMM Alumni Association, extends the alumni network specifically to students of color.

Grading Policy

1. This policy became effective in the fall of 1997 for the Crookston, Morris, and Twin Cities campuses, replacing all previous grading policies. It may not be applied retroactively to any grades or symbols awarded before that time.
2. The above campuses have two grading systems, A-B-C-D-F (with pluses and minuses) and S-N. Students may receive grades only from the grading system under which they have registered for a course. In addition, there are registration symbols that do not carry grade points or credit.
3. Instructors must clearly define for a class, at one of its earliest meetings, the performance necessary to earn each grade or symbol. The amount and quality of work required for an S may not be less than that required for a C-. No student may request a change of a grade more than one calendar year after the grade was assigned.
4. No student may receive a bachelor's degree unless at least 75 percent of the degree-qualifying residence credits carry grades of A, B, C, or D (with or without pluses or minuses). Each campus, college, and department may choose not to accept academic work receiving a D (with or without a plus).
Each campus, college, and department determines to what extent and under what conditions each grading system is used, may specify what courses or proportion of courses must be on one system or the other, and may limit a course to either system.
5. When both grading systems are available, students must choose one when registering for a course. The choice may not be changed after the end of the second week of classes (the first week in summer terms).
6. The University's official transcript, the chronological record of the student's enrollment and academic performance, is released by the University only at the student's request or in accord with state or federal statutes; mailed copies have the University's official seal printed on them. Students may obtain an unofficial transcript, at their request, except when they have a transcript hold on their record.

7. The University calculates for each student, both at the end of each grading period and cumulatively, a grade point average (GPA), the ratio of grade points earned divided by the number of credits earned with grades of A-F (including pluses and minuses). Both the periodic and cumulative GPA appear on each student's record.
8. A student may repeat a course once. When a student is allowed to repeat a course, both grades for the course appear on the transcript, the course credits may not be counted more than once toward degree and program requirements, and only the last enrollment for the course counts in the student's GPA. Courses with grades of C-, S, or higher may only be repeated with Scholastic Committee permission.
9. Students may petition the college scholastic committee or other appropriate body about this policy.
10. The following grades (with grade points as indicated) and symbols are used on transcripts.

A 4.00 Represents achievement that is outstanding relative to the level necessary to meet course requirements.

A- 3.67

B+ 3.33

B 3.00 Represents achievement that is significantly above the level necessary to meet course requirements.

B- 2.67

C+ 2.33

C 2.00 Represents achievement that meets the course requirements in every respect.

C- 1.67

D+ 1.33

D 1.00 Represents achievement that is worthy of credit even though it fails to fully meet the course requirements.

S Represents achievement that is satisfactory, which is equivalent to a C- or better. The S does not carry grade points and is not included in GPA calculations, but the credits count toward the student's degree program if allowed by the department.

F or N Represents **failure** or **no credit** and signifies that the work was either (1) completed but at a level of achievement that is not worthy of credit or (2) was not completed and there was no agreement between the instructor and the student that the student would be awarded an I. The F carries 0.00 grade points and is included in GPA calculations; the N does not carry grade points and is not included in GPA calculations.

I Incomplete, a temporary grade that indicates coursework has not been completed.

The instructor assigns an I when, due to *extraordinary* circumstances, the student was prevented from completing coursework on time. An I requires a written agreement between the instructor and student specifying the time and manner in which the student will complete the course requirements during the next year.

Work to make up an I must be submitted within one year of the last day of final examinations of the term in which the I was given. If not submitted by that time, the I will automatically change to an F (if A-F registration) or N (if S-N registration), even after a student has graduated. If an I changes automatically to an F or N, the instructor has the discretion to reinstate the I for another year.

The instructor is expected to turn in the new symbol within four weeks of the date work is submitted.

When an I is changed to another symbol, the I is removed from the record. Once an I has become an F or N, it may be converted to any other symbol by petition of the instructor (or department if the instructor is unavailable).

- K Indicates the course is still in progress and a grade cannot be assigned at the present time.
- T Transfer, a prefix to the original grade that indicates credits transferred from another institution or from one University college or campus to another.
- V Visitor, indicates registration as an auditor or visitor; does not carry credit or grade points.
- W Withdrawal, indicates a student has officially withdrawn from a course. If a student withdraws from a course during the first two weeks of classes, that course registration is not recorded on the student's transcript. The W is recorded if the student withdraws from the course during the third through ninth week of class (second or third week of summer terms). Withdrawal in the tenth or later week of classes requires college approval and will be granted solely for extenuating nonacademic reasons.
- Each student may, once during his or her undergraduate enrollment, withdraw from a course without college approval, and receive a W, at any time up to and including the last day of class for that course.
- X Indicates a student may continue in a sequence course in which a grade cannot be determined until the full sequence of courses is completed. The instructor submits a grade for each X when the student completes the sequence.

Academic Dishonesty—Academic dishonesty in any portion of the academic work for a course shall be grounds for awarding a grade of F or N for the entire course.

Academic Transcript—The transcript is the record of the student's enrollment and academic performance. The University of Minnesota campuses share a student records computing system, which includes transcript information from all of the University of Minnesota campuses the student has attended during her or his undergraduate program. Coursework is displayed in a manner consistent with the all-University transcript and grading policies as well as with the unique policies of the college of registration. Unofficial transcripts are available at no cost to currently registered students. Official transcripts are issued to current students and alumni for all off-campus use. "Official transcripts" are those issued to any second party. A second party is anyone other than the student (or alumnus) requesting the transcript.

In compliance with the federal Family Educational Rights and Privacy Act, transcript requests must contain the student's signature. Transcripts will not be issued without the student's *signed* authorization. Grades cannot be given to the student by telephone. Transcript requests can be submitted in person, by mail, or by fax to the Registrar's Office, University of Minnesota, Morris, Morris, MN 56267 (fax: 320-589-6025). Current prices are available by calling the Registrar's Office at 320-589-6030. *Regular Service* transcripts are the most economical, but students should allow time for processing. *Same Day Service* is available for urgent requests. For *Overnight Delivery*, students must provide the express mailer prepaid and completely addressed. Fax service is available if students provide a credit card number. Requests by mail should include payment, the student's full name, UMM ID number, dates of enrollment, the complete address to which the transcript should be sent, and the student's signature. Students must have met all financial obligations to the University before official transcripts can be released for any purpose.

Student Access to Records

Students have password access to their personal information. One password accesses information at the following sources:

- *Registrar's Office:* <www.mrs.umn.edu/services/registrar/>
- *Grades:* <www.mrs.umn.edu/services/registrar/grades.html>
- *Registration:* queue times, holds, section status, class schedule, and much more. <www.mrs.umn.edu/services/registrar/register.html>
- *Morris Student Line (320-589-6490):* registration queue times, holds, and grades.

Classes, Schedules, and Final Examinations

Mandatory Attendance at First Class Session—Students must attend the first class meeting of every course in which they are registered, unless they obtain approval from the instructor for an intended absence before the first class meeting; without such prior approval,

a student may lose his or her place in the class to another student.

If a student wishes to remain in a course from which he or she has been absent the first day without prior approval, the instructor should be contacted as soon as possible. In this circumstance, instructors have the right to deny access to the class if other students have been enrolled and the course is full. Instructors are encouraged, however, to take into account extenuating circumstances (e.g., weather) which may have prevented a student from attending the first class session. Absence from the first class session that falls during a recognized religious holiday (e.g., Rosh Hashanah) does not require instructor approval, but the instructor must receive prior notification of the absence and the reason; in this instance, the place for the student will be retained.

Students must *officially* cancel any course for which they have enrolled and subsequently been denied admission.

Class Attendance—In addition to officially sanctioned excuses, an instructor may excuse a student for any reason the instructor deems acceptable. Instructors have the responsibility of informing their classes of attendance policies.

Students should not be penalized for absences due to unavoidable or legitimate circumstances. Such circumstances include, but are not necessarily limited to, verified illness; participation in group activities sponsored by the University, including athletic events; serious family emergencies; subpoenas; jury duty; military service; and religious observances. It is the responsibility of the student to notify faculty of such circumstances as far in advance as possible and to obtain an official excuse.

At UMM, official excuses, which faculty are obligated to honor, are available from either the Health Service, in the case of verifiable illness, or the Vice Chancellor for Student Affairs' Office, in the case of a personal and family emergency or when the student is performing a function in the interest of the University. In these cases students remain responsible for making up the work that they have missed and faculty are responsible for making a reasonable effort to assist students in completing work covered during excused absences.

Standard Class Schedule and Class Period—A standard class schedule at the University of Minnesota, Morris consists of 65-minute classes on MWF or 100-minute classes on TTh with an

appropriate change period between classes. Classes of lengths other than 65 or 100 minutes are permitted, subject to University Senate policies governing the relationship between contact hours, credits, and student workload.

Examinations during the term (e.g., mid-terms) may be given only during the regular class sessions; they may not be held at times other than the regularly scheduled class period, subject to the following conditions:

- Exceptions may be made by instructors only for the purpose of giving make-up examinations.
- Any examinations outside of regular class time during the term must be approved by the vice chancellor for academic affairs and dean.
- Any examinations to be held outside of regular class time must be listed in the published [Class Schedule](#).
- Accommodation must be provided to any student who encounters an academic conflict, such as between an examination scheduled outside of regular class time and the regular class period of another course, or if two exams are scheduled to be held simultaneously outside of regular class time.
- Take-home examinations, by their very nature, are specifically exempted from this policy.

Overlapping Classes—No student will be permitted to register for classes that overlap. Classes that have any common meeting time are considered to be overlapping, as are any back-to-back classes that have start and end times closer together than 10 minutes.

Only under extenuating circumstances will petitions for overrides for such conflicts be permitted, and will require the signatures of all faculty members involved. The decision to approve or disapprove such an override petition is entirely discretionary with each faculty member involved.

Final Examination Policy—The examination week is part of the regular school year and must be taken into account by students in planning for any other activities or work outside of school hours. The final examination schedule is printed in the UMM [Class Schedule](#) and on the Web. Final examinations for summer session will be scheduled during the regular meeting time of the course on the last day. Students are expected to know the times for their final examinations and to attend the examinations as scheduled.

Students who have final examinations scheduled at conflicting times, or who have three (or more) examinations in one calendar day, should contact the Office of the Vice Chancellor for Academic Affairs and Dean. Students will be expected to make the appropriate rescheduling arrangements with the instructors by the end of the second week of the term, so that conflicts will be eliminated well in advance of the final examination period. Instructors must agree to give an alternative final examination to these students.

Instructors are not permitted to hold their final examinations ahead of the regularly scheduled time except under unusual circumstances and by approval of the appropriate division chairperson. These regulations which require faculty to abide by the final examination schedule are not, however, intended to prohibit faculty from accommodating the special needs of students by offering examinations at other times. If a final is given at another time, faculty should also offer a final at the scheduled time.

It is University Senate policy to prohibit classes, University-sponsored trips, or extracurricular events on study day and during the final examination period. Under certain rare circumstances, exceptions to the prohibition on trips or events are possible from the chancellor, upon recommendation of the Scholastic Committee. To obtain approval the unit must provide written documentation showing the numbers involved and the educational benefit to the participants, and demonstrating that the trip or event cannot be scheduled at another time. An exemption granted pursuant to this policy shall be honored and students who are unable to complete course requirements during final examination period as a result of the exemption shall be provided an alternative and timely means to do so.

Repeating a Course

Credit will not be awarded twice for the same or an essentially equivalent course. (Topics courses may be repeated when the topic changes.) After consultation with their advisers, students may repeat courses for which they have received a grade of D, F, or N. Courses with a grade of C-, S, or higher may be repeated only with the permission of the Scholastic Committee. In accordance with all-University grading policy, (a) all grades for the course will appear on the official transcript, (b) the course

credits may not be counted more than once toward degree and program requirements, and (c) only the last enrollment for the course shall count in the student's GPA. *Repeat Course Forms* are available in the Registrar's Office.

Special Ways to Earn Credit or Advanced Placement

Examinations for Credit—Credit for acquired knowledge that is comparable to the content of specific University courses may be obtained by special examination. Special examinations for credit may provide official University recognition for a variety of previous educational activity (classes at unaccredited, international, private proprietary, vocational/technical, or armed services schools; certificate learning; foreign study or travel; noncredit-based transfer work; training programs; job experience; independent preparation). The examination administered by a department may be a typical final examination, an oral test, written papers or projects, or any other combination of work which will satisfy the examiners that the student has adequately achieved the values of the course. Special examinations do not allow credit for skill courses in reading, writing, or speaking a native tongue, or for high school-level language or mathematics courses.

Minimum standards for awarding credits by examination are determined by the academic department giving the examination. No department will be required to give examinations for credit.

To receive assistance in determining whether they have prior learning that may translate into college credits, students should contact the Regional Advising Service (320-589-6456). To arrange a special examination for credit, students should obtain a *Request for Special Examination* form from the Registrar's Office and take it to the coordinator of the Scholastic Committee, 223 Community Services, for processing. The committee determines eligibility to receive credit and the appropriate grading system before the examination is scheduled and before the special fee of \$30 is paid. The coordinator of the committee notifies the division chairperson of the request for a special examination, who in turn arranges for an instructor to give it. The instructor then notifies the student of the

scheduled time, and the student pays the fee at the Registrar's Office before taking the examination. No fee is charged for examinations for credit taken during the student's first term in residence or the first term after an absence of a year or more. Otherwise, the fee is charged. Credits earned by examination do not count as resident credit. The instructor reports the results to the Registrar's Office on the *Request for Special Examination* form.

A student must do "C-" quality work on an examination for credit to earn credit; a notation is then placed on the transcript showing the course and credits earned. The discipline awarding the credit determines whether or not a grade is to be assigned in addition to the notation of credits earned. If a grade is assigned, it will count in the GPA. If the student fails to do "C-" quality work on the examination, no notation will be made on the transcript.

Portfolio Evaluation—This method of evaluation involves faculty review of a portfolio in which the student translates prior learning experiences into educational outcomes, and documents those experiences for academic credit. A special fee is required. For more information, contact the Regional Advising Service.

Proficiency Examinations—Proficiency examinations in math, French, German and Spanish are administered by the Counseling Office, require no fee, and yield no credit or grade. These examinations may be taken by appointment. Proficiency examinations in other languages are arranged through the Scholastic Committee, 223 Community Services. If the student shows proficiency, a notation is made on his or her transcript.

Nationally Administered Examinations for Credit—The Scholastic Committee, with the concurrence of the appropriate discipline, recognizes and awards credits based on nationally administered examinations which are taken as part of the Advanced Placement (AP) Program, the College Level Examination Program (CLEP), and the International Baccalaureate (IB) Program. Scores are established by the Scholastic Committee based on all-University policy. The national examinations are reviewed every five years. The Scholastic Committee has approved the use of AP, CLEP and IB credits in the GER and the use of CLEP and AP credits in specific majors.

Examinations for Advanced Placement—

Entering freshmen may receive recognition in 30 subject areas for advanced scholastic achievement demonstrated on the Advanced Placement (AP) Examinations of the College Entrance Examination Board. Advanced Placement Examination scores of 3 or above qualify for recognition. Following consultation with appropriate faculty, the Scholastic Committee has approved use of CLEP credits in meeting GER categories and introductory courses in specific majors. Nonresident credit is granted. CLEP credits may not be used to fulfill residency requirements. Entering freshmen who seek credit or advanced placement through evidence other than the AP scores should consult with the Scholastic Committee.

CLEP—Registered students will be awarded credit for obtaining satisfactory scores on the nationally standardized general examinations of the College Level Examination Program (CLEP). These credits may be counted toward the 60-credit liberal arts requirement and the 120 credits required for graduation. CLEP credits do not satisfy the residency requirement, however. Four of the CLEP general examinations may be taken for credit: Humanities, Mathematics, Natural Science, and Social Science.

The CLEP general examinations are available to freshmen during freshman orientation week and by arrangement. Students may sign up for examinations by contacting Student Counseling. A fee is charged.

Students may also earn credit by successfully passing the CLEP subject examinations, which measure achievement in specific college courses. There are over 30 CLEP subject examinations covering the content of a variety of courses ranging from Spanish to psychology. UMM allows credit for most. A special fee is charged. To earn credit a student must meet the national qualifying score, based on a norm group of college students who have already passed the course for which the examination is intended. Interested students should inquire about the full list of CLEP subject examinations at Student Counseling where the examinations are given.

For each examination passed, credits will be entered on a student's transcript without a grade. If a student has earned or is registered for college credits in the area of the examination *before* taking it, he or she will receive only the difference between these credits and the credit maximum permitted. If a student has previously earned and/or is registered for more credits than

the area of the examination awards, no credit will be given for successful completion of the test. However, a student will be permitted to receive credit for courses taken *after* successful completion of a CLEP examination in a particular subject area. In order to receive credit for a CLEP examination, a student must earn a score that equals or exceeds the 75th percentile among a national sample of college sophomores.

Students who have taken CLEP examinations elsewhere should submit an official transcript of their scores to Student Counseling, where they will be processed for appropriate credit allocation. Students are notified of scores received and credit granted. The Registrar's Office makes appropriate entries on students' transcripts in cases where credit is granted.

International Baccalaureate—Students who complete an international baccalaureate (IB) diploma with a score of 30 or higher and have no examination scores lower than 4 are awarded credit for each of the higher-level examinations, plus credits for each of the subsidiary exams, for a total of 30 credits. No credit is given for subsidiary-level exams other than those included as part of the IB diploma, but students may receive credit for any higher-level exams with a score of 5 or higher. The Scholastic committee has approved use of IB credits to meet specific general education categories. Use of IB credits in the major is determined through discussions between students and faculty in each major. To receive credit, students who have completed IB examinations should provide an official record of their scores to the Office of Admissions and Financial Aid. The Registrar's Office makes an appropriate entry on the student's transcript when credit is granted.

Military Service School Experience—UMM does not grant college credit for military service. The Scholastic Committee will, however, grant credit for military service school experience when formal training courses have substantial content and have counterparts in the normal liberal arts curriculum. In evaluating such training, the Scholastic Committee uses the *Guide to the Evaluation of Educational Experiences in the Armed Forces* published by the Commission on Accreditation of Service Experiences of the American Council on Education. To obtain credit, a student must verify the service school attendance as well as successful completion of the work for which credit is requested. For more information, consult the registrar, 212 Behmler Hall.

Organizational Sponsored Instruction—The University of Minnesota, Morris may grant credit for formal educational programs and courses sponsored by noncollegiate organizations if they have substantial content and have counterparts in the normal liberal arts curriculum. In evaluating such training, the Scholastic Committee uses the *Guide to Educational Programs in Non-Collegiate Organizations* of the American Council on Education and similar guidelines published by other national agencies. To obtain credit, a student must verify successful completion of the work for which credit is requested. For more information, consult the coordinator of the Scholastic Committee, 223 Community Services.

Academic Progress Requirements

The UMM Campus Assembly has established minimum academic progress requirements that apply to both student status and eligibility for financial aid, with provisions for possible suspension and loss of eligibility for aid. The authority for administering the requirements and taking action, when necessary, rests with the Scholastic Committee.

Academic progress is audited annually at the end of spring semester; students who meet the annual requirements will continue in good standing and will remain eligible for financial aid during the subsequent year. Students who do not meet the requirements for good standing but fall within specified guidelines will be placed on Level One Probation. Students who fall below the requirements for Level One Probation will be suspended. Students who successfully appeal their suspension will be allowed to return on conditions for one semester; this period of conditions is called Level Two Probation. Students on probation remain eligible for financial aid.

Minimum Academic Progress Requirements

There are two criteria for meeting minimum academic progress requirements: one considering performance over time (cumulative GPA) and the other measuring performance during the short term (annual completion ratio of 75%). The student must meet *both*.

College Regulations

To remain in good standing, all students who earn more than 5 credits must maintain a minimum cumulative GPA of 2.00 and an annual completion ratio of 75 percent. A lower GPA or completion ratio will result in probation or suspension.

Credits earned	Cum GPA	Annual Completion Ratio*
0-29	2.00	75%
30-59	2.00	75%
60-89	2.00	75%
90-120	2.00	75%

*UMM uses a formula for determining the completion ratio (N and I are included in the calculation; W , V , K , and X are not):
percentage of successful completion = $ABCS/ABCSDFN$ I.

Probation

Students whose annual completion ratio is between 50 percent and 75 percent, or whose cumulative GPA falls in the ranges given below, will automatically be placed on probation.

Criteria for Level One Probation:

Credits earned	Cum GPA	Annual Completion Ratio
0-29	1.50-1.99	50-74%
30-59	1.65-1.99	50-74%
60-89	1.80-1.99	50-74%
90-120	1.95-1.99	50-74%

Students who are placed on Level One Probation are sent letters of notification from the Scholastic Committee, as are their advisers, along with information about resources for improvement. Students on probation need their adviser's signature in order to register. A signature implies that the student and adviser have discussed the registration. Level One Probation students can be returned to good standing for the following semester by earning a cumulative GPA of 2.00 and a semester completion ratio of 75 percent.

Suspension

Students with an annual completion ratio below 50 percent or a GPA below the requirements for Level One Probation will be suspended and will lose their eligibility for financial aid. Students may appeal their suspension to the Scholastic Committee. If their appeal is approved, special conditions will be imposed for the following semester. The conditional period in lieu of suspension is called Level Two Probation.

One appeal beyond the Scholastic Committee will be allowed. This appeal should be directed to the vice chancellor for academic affairs and the dean, whose decision is final. Typically, this final appeal should provide new

information having a bearing on the appeal, although the decision of the Scholastic Committee may be reviewed.

The Scholastic Committee has the authority to prescribe special academic requirements for those students who successfully appeal their suspensions, requiring them to complete a specified number of credits and to maintain an acceptable GPA (e.g., 12 credits of C or better) during the single semester of their return. Students and their advisers will be notified of the conditions imposed through the successful appeal. The adviser's signature will be required on the student's registration form.

Readmission

Students who have been suspended and have lost their aid eligibility may apply to the director of admissions for readmission after one semester. Readmission following suspension is not automatic. The director will consult with the Scholastic Committee for a recommendation. It is expected that prior to readmission, the student will present an academic plan for improvement; evidence of successful completion of evening, summer, or transfer courses; and/or evidence that his or her personal difficulties are being addressed. Previous records, circumstances, and intervening experiences, including successful college work, employment, or other indicators of potential success, will be evaluated by the Scholastic Committee. Readmitted students must again meet academic progress requirements. Under certain circumstances, the Scholastic Committee may prescribe special requirements.

Exemption From Regulations

Through the college regulations, the Campus Assembly expresses its judgment concerning the best procedures for most students. These regulations are, in most cases, general statements that give students an opportunity to make certain choices. Occasionally students may find that, even with the choices open to them, the regulations work to their educational disadvantage. In this event, they may petition the Scholastic Committee for an exemption. Petitions should contain a clear statement of the reason for the request and be prepared in consultation with the Scholastic Committee coordinator, 223 Community Services. After the

Scholastic Committee has acted on a petition, notification of its decision will be sent to the student, the student's adviser, and the Registrar's Office.

Grievance Procedures

Students with complaints about an instructor or criticisms about course content, procedures, or grading should, in almost all instances, bring the matter directly to the instructor. Where this is clearly inappropriate or when such action does not bring about a mutually satisfactory solution, the student should take the problem to the chairperson of the division administratively responsible for the course (see the section on Division Structure located elsewhere in this catalog). The chairperson will attempt to resolve the matter informally. Grievances involving an instructor's judgment in assigning a grade based on academic performance may be resolved only through the informal resolution procedures. In other instances, if a resolution is not achieved, a UMM Grievance Committee will be appointed. Appeals of the UMM Grievance Committee's decisions may be referred to the all-University Grievance Committee in accordance with the Regents' Policy on Student Academic Grievance, available from the UMM Office of the Vice Chancellor for Academic Affairs and Dean.

Sexual Harassment

It is the University's goal to maintain a work environment free from sexual harassment. The Regents Policy on Sexual Harassment applies to all members of the University community, i.e., any University of Minnesota faculty member, student, or staff member, or other individual engaged in any University activity or program.

"Sexual harassment" means unwelcome sexual advances, requests for sexual favors, and/or other verbal or physical conduct of a sexual nature when: (1) submission to such conduct is made wither explicitly or implicitly a term or condition of an individual's employment or academic advancement in any University activity or program; (2) submission to or rejection of such conduct by an individual is used as the basis of employment or academic decisions affecting this individual in any University activity or program; or (3) such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an

intimidating, hostile, or offensive working or academic environment in any University activity or program.

At UMM, any person seeking assistance in either resolving or making a complaint in a matter of sexual harassment should contact the Office of Human Resources at 320-589-6021. Students may also seek confidential assistance from Student Counseling at 320-589-6060. Staff may also seek confidential assistance from the Employee Assistance Program: SCMC Life Center at 320-589-1313 or Prairie Counseling Center at 320-589-2222.

Racial/Ethnic Harassment

UMM is committed to providing a safe environment for all students and employees. It is committed to equal educational access and opportunity for all persons without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

Acts of racial or ethnic harassment are incompatible with these commitments. Whenever complaints of harassment are filed, UMM will make every effort to protect the rights and concerns of both the complainant and the respondent.

At UMM, students or staff seeking confidential assistance with a racial or ethnic harassment incident may contact Student Counseling at 320-589-6060. Additional resources are identified in a racial/ethnic harassment brochure available in the Office of the Vice Chancellor for Student Affairs.

Academic Integrity and Student Disciplinary Action Procedures for UMM

The Board of Regents has adopted a University-wide Student Conduct Code that specifically prohibits scholastic dishonesty, falsifying information provided to the University, falsely identifying one's self, failing to comply with a proper order, disorderly conduct, threats, theft and property damage, violations of residence and other University rules, possession of

weapons on campus, disruptive demonstrations or noise, and violation of federal or state laws of special relevance to the University. The entire Student Conduct Code is reproduced in the student handbook, *Student Life at UMM*.

The Policy on Academic Integrity, the All-University Policy Statement on Sexual Harassment, and the Student Conduct Code brochure further explain prohibitions regarding scholastic dishonesty and sexual harassment. Copies of those documents may be obtained from the Office of the Vice Chancellor for Student Affairs.

The UMM Campus Assembly has enacted a set of policies and procedures to maintain a climate of academic integrity and responsible behavior on the Morris campus. These policies and procedures are governed by a Committee on Academic Integrity and a Student Behavior Committee.

Academic Integrity

The major objective of the formal disciplinary system at the University of Minnesota, Morris is to maintain standards of conduct and order commensurate with the educational goals of the institution. These procedures help students understand and accept the consequences of their behavior in relation to themselves and others. The procedures are designed to guarantee the rights of the accused and to protect the welfare of all members of the University community. The regents affirm the right of students to equitable and prompt action on alleged violations of student conduct. In this regard it is expected that most complaints can be heard and settled informally. Under circumstances in which these preferred methods fail to resolve the difficulty, formal disciplinary action with proper procedural safeguard will be taken by the Student Behavior Committee.

The Student Behavior Committee is a subcommittee of the Student Services Committee. The Student Behavior Committee is made up of three faculty, three students, and a representative appointed by the chancellor who serves as secretary without a vote. Formal disciplinary action at UMM is the responsibility of the Student Behavior Committee. The committee normally does not take action in cases involving violations of civil law, except when such violations are clearly detrimental to the interests of the academic community.

The Committee on Academic Integrity is a subcommittee of the Scholastic Committee and is made up of four students and four faculty members charged with the responsibility of educating students regarding the need for standards of academic honesty, advising faculty and students on questions of procedure in the event of a suspected violation of these standards, and determining the guilt or innocence of students involved in cases of alleged academic dishonesty brought before the committee.

The college prefers that questions of academic dishonesty be settled directly by the instructor and student(s) involved. Procedures specify that if the standards of academic integrity have been violated, the instructor should meet with the student(s) involved and, after informing the student(s) of the allegation and supporting evidence, attempt to reach an agreement regarding the veracity of the charges and whether a penalty will be levied. If a decision is reached, the instructor will prepare and submit a written report to the vice chancellor for student affairs, presenting the details of the incident, evidence, and penalties imposed. A copy of the report will be provided to the student(s) in question; students have the right to file their own versions of the incident with the vice chancellor for student affairs, should they desire to do so. These reports will be maintained in a confidential University file. If an agreement between the student(s) and the instructor cannot be reached, the matter may be referred by either of the parties to the Committee on Academic Integrity for resolution.

Advice or consultation regarding any matter of academic integrity or student conduct may be obtained from the chairperson of the appropriate committee or the vice chancellor for student affairs. Detailed statements of policies and procedures regarding academic integrity and student disciplinary action are available from the Office of the Vice Chancellor for Student Affairs.

UMM is committed to providing as many learning opportunities for students as possible. The faculty are dedicated not only to teaching, but to research, writing, creative work, and involvement in state, regional, national, and international professional organizations. Many encourage students to work with them on research projects, and a number of UMM students have co-authored scholarly articles or papers.

UMM offers 28 majors as well as interdisciplinary and preprofessional programs. Programs and courses in education, the humanities and fine arts, the social sciences, and science and mathematics provide a breadth of knowledge that is an excellent background for a major. Students can complement their coursework through the Honors Program, study abroad, internships, field trips, and directed studies. In addition, many lectures, concerts, films, and special programs are offered on campus to enhance the educational experience.

Helping students make the most of their education is UMM's primary goal. UMM's programs challenge students to think critically, make decisions wisely, develop their creativity, and increase their awareness of the world around them.

Program Planning

Students are responsible for planning programs that will satisfy their own educational and vocational goals. Academic advisers, teaching faculty, and the staffs of Student Counseling and Academic Advising are available to assist with such program planning, and students should seek this assistance to assure well-organized and balanced programs of study as well as to avoid errors that might arise in planning. In preparing their programs, students should use this catalog in conjunction with the UMM *Class Schedule*. The *Class Schedule* lists all of the courses offered each semester and the hours during which each class meets.

Academic Progress Audit System (APAS)

Before registration each semester, the Registrar's Office distributes APAS reports to students. APAS (Academic Progress Audit System) is a computerized report that provides helpful information about degree and course

requirements. It helps determine how each student's courses satisfy those requirements. Each report indicates how one student's coursework applies to general education and degree requirements for a specific major.

The report assists students, advisers, and the University in determining students' progress toward completion of their program requirements and serves as a graduation check. Advisers may obtain APAS reports for their advisees at any time by contacting Academic Advising, 223 Community Services (320-589-6010).

Advising

Academic advising by faculty is considered an integral part of UMM's central mission. Connections between students and faculty outside the classroom contribute to a successful educational experience.

Faculty Advisers—Academic Advising, 223 Community Services, is responsible for coordinating the advising program. Adviser assignments are based on students' particular needs and academic interests. Faculty advisers help with academic planning, encouraging students to pursue their interests within the liberal arts. First- and second-year students are required to discuss their course selections with their advisers each semester. Students must prepare an academic plan: freshmen for their sophomore year and sophomores for their final two years. Advisers can help students enhance their college experience by eliciting academic goals, talking through ways to meet requirements, and considering the effects of their choices on preparing for a career or graduate training.

Changing Advisers—Advisers have expertise in the general education program as well as in the discipline of the major and can provide important information about career preparation or further study. Students may arrange to have different advisers assigned at any time by contacting Academic Advising.

Career Planning—Student Counseling, 231 Behmler Hall, can assist students who are undecided about a major. Trained professional counselors help students consider their options for majors and/or careers through workshops, individual counseling, and the use of interest and vocational inventories. Student Counseling is also the Test Center for graduate school admission examinations, CLEP exams for college credit, and math and foreign language placement exams.

Regional Advising Service

Continuing Education's Regional Advising Service is a "first stop" for regional adults who want to learn more about the educational opportunities available to them at UMM, the University of Minnesota, or nearby colleges in west central Minnesota. Prospective students need not know what they wish to study before contacting the center. Staff help PSEO (Post-Secondary Enrollment Options Act) students, nontraditional students, or students with highly individual needs define their educational goals and identify learning resources such as UMM's day, summer, and evening courses; independent and distant learning; certificate programs; and prior learning evaluation. They work with students on and off campus to design individual areas of study or to chart a course over a period of time to work toward a degree. Call 1-800-842-0030 toll free or 320-589-6456 to arrange to talk with an adviser.

Academic Assistance Center

The services provided by UMM's Academic Assistance Center (AAC) help students achieve their academic goals, whatever they might be. AAC programs are available free of charge to all students at UMM.

The AAC provides peer tutors for most courses offered at UMM, drop-in assistance for mathematics courses, workshops in study skills and reading efficiency, Spanish conversation practice sessions, and English as a Second Language tutoring. AAC provides some computer-assisted instruction in a variety of disciplines. In addition, AAC provides services for students with disabilities (see also Students With Disabilities under the Student Services and Opportunities section).

The AAC is located in Room 360 of the Briggs Library. Call 320-589-6178 or visit our Web site at www.mrs.umn.edu/services/dsoaac/aac.

Academic Enrichment

UMM believes in providing a variety of opportunities for students to participate in academic endeavors. They will find many ways to become involved in nontraditional learning experiences and to use the professional tools of their field.

For example, UMM students might spend a semester as an intern at the state capitol, become an assistant for UMM's Gateway Program, travel to Ecuador on an anthropology field trip, help to organize a model United Nations program, or use primary research materials to recreate historical events for a paper filed in the archives of the West Central Minnesota Historical Research Center. They might do an internship in social service organizations ranging from welfare agencies to group homes, or they might have their poetry published on UMM's Prairie Gate Press or their artwork exhibited. They might work with a faculty member on atmospheric or energy research or a study of birds of prey.

There are opportunities to write computer programs, learn important skills as a teaching assistant, and take field trips, exploring a broad variety of habitats ranging from the coastal areas of Florida and Texas to the desert areas of Arizona, New Mexico, and Oklahoma to various areas within Minnesota and the surrounding region.

There are also opportunities to become involved in the kinds of research that at many schools are reserved for graduate students only. Students may have a chance to collaborate with faculty members, and they may, as a number of students have done, publish scholarly work with the faculty.

Undergraduate Research Opportunities Program (UROP)

The Undergraduate Research Opportunities Program (UROP) is a competitive, merit-based program throughout the University of Minnesota that offers financial awards to undergraduates for research, scholarly, or creative projects undertaken in partnership with a faculty member. UROP awards include stipends (up to \$1,000) and expense allowances (up to \$300). All full-time undergraduates at UMM are eligible to apply. All UMM faculty may serve as UROP sponsors. Further information about UROP awards may be obtained from the UROP Office, 225 Community Services.

Minority Mentorship Program

The Minority Mentorship Program was developed to increase the retention and graduation rates of students of color at UMM. Students with second-year standing (30 to 60 semester credits) are matched with faculty/staff who have similar academic and career interests. Participants enjoy a yearlong working relationship with their mentors and have an educationally meaningful experience. A yearly stipend of \$1,000 (paid in two installments at the end of each semester) is awarded to selected students for work supervised by their mentors. Further information about the Minority Mentorship Program may be obtained from the Minority Student Program Office, 110 Minority Resource Center.

Morris Academic Partners (MAP)

UMM has established a program for advanced students called Morris Academic Partners (MAP). Receiving a stipend of \$2,000 for the year, Morris Academic Partners undertake assignments that enhance their intellectual competence and increase their interest in graduate or professional study. Projects involve assisting faculty and professional staff in their research and/or teaching and are more complex than typical work-study assignments. Students entering their third year of study are nominated by faculty for a Morris Academic Partnership and are named by the appropriate division chairperson with the concurrence of the dean. Further information about the MAP program may be obtained from the Office of the Vice Chancellor for Academic Affairs and Dean, 315 Behmler Hall.

Morris Administrative Interns (MAI)

The Morris Administrative Internship (MAI) program pays a stipend of \$2,000 per year. The internships are designed to enable selected students in the junior year to work in administrative or faculty offices performing tasks that are essentially managerial in nature. Interns might, for example, administer and compile surveys, help to organize cocurricular organizations, or assist in planning significant campus events. Further information about the MAI program may be obtained from the Office of the Vice Chancellor for Academic Affairs and Dean, 315 Behmler Hall.

Service Learning

Service learning is a teaching methodology that engages students in hands-on academic projects in the community to meet learning objectives and strengthen communities. Recent course-

based service-learning classes at UMM include a combinatorial math class in which students used their math skills to determine the best route for the city's snow plow to travel and Psychology 3920, where students facilitate Girls' Circle—a program for area girls from ages 9-18. Through service learning, students develop problem solving and critical thinking skills as they work to address needs and problems in the community. Service learning also helps to develop leadership skills and encourage civic engagement. For more information, contact the service learning director in the Faculty Center for Learning and Teaching. See also Community Service in the Student Services and Opportunities section of this catalog.

Study Abroad

UMM is committed to providing an education that prepares students to become global citizens by expanding their world view and deepening their understanding of world issues. Because firsthand knowledge of other societies and cultures builds international awareness, UMM encourages students to study abroad as part of their academic program. UMM maintains a study abroad office, the Center for International Programs (CIP), that, together with a student-run International Study and Travel Center (ISTC), provides overseas study, work, and travel information for students. The CIP office is located at 225 Community Services and the ISTC office is in 17 Student Center.

As a part of the University of Minnesota system, UMM students may take part in an especially broad range of programs all over the world. These programs are offered by UMM, other campuses of the University of Minnesota, other Minnesota colleges and other institutions nationwide. Note: for the purpose of applying for federal student aid, enrollment in a study abroad program offered by another institution and approved for credit by UMM is the same as enrollment at UMM. Students may consult guides and publications on foreign study and travel online and in the CIP and ISTC offices. Students also are assisted by staff with expertise in foreign study opportunities.

Directed Study and Internships

The term "directed study" refers to those on- or off-campus learning experiences individually arranged between a student and a faculty member for academic credit in areas not covered in the regular curriculum. Directed study courses (with 1993, 2993, 3993, or 4993 course numbers) should be arranged before the

term begins, but may be added to the registration later in the term. A directed studies project may, with the approval of the Honors Program Committee, be counted as an honors course (the form needed for requesting this approval is available in the Honors Office, 225 Community Services). An “internship” is a supervised opportunity to apply one’s academic learning at a job site. It is arranged among a student, an on-site supervisor, and a University faculty member. For more information about finding an internship, contact the Career Center at 320-589-6065. Directed study and internship offerings include the following courses:

Discipline Directed Study—1993, 2993, 3993, 4993 (1-5 cr per semester)

Interdisciplinary Directed Study—IS 1993, 2993, 3993, 4993 (1-5 cr per semester)

Interdisciplinary Internship—IS 3996 (1-16 cr per semester)

Prior Learning Directed Study—IS 3893 (1-4 cr per semester)

Prior Learning Internship—IS 3896 (1-16 cr per semester)

In addition to listing the directed study or internship course on the regular *Course Enrollment Request* or Cancel/Add form, a special *Directed Study Approval* form or *Internship Approval Form and Learning Contract* is required for registration. These forms, available at the division offices, essentially establish a contract between the student and the supervising faculty member. The contract includes a statement of the objectives of the project, the methods to be employed, and the procedures for evaluating the project.

In addition to faculty evaluation, student evaluation of the project is mandatory. When the work of the project is completed, the faculty member will provide the student with an evaluation questionnaire, which is part of the approval form. The student completes the questionnaire and delivers it to the Office of the Vice Chancellor for Academic Affairs and Dean. The faculty member will not submit a grade until the student’s evaluation of the project has been completed.

Credits

Amount of work is expressed in semester credits. Each credit represents an average of three hours a week of a student’s time and effort, one hour in class with two hours of preparation or three hours of laboratory work, for example.

A student with fewer than 30 credits is classified as a freshman; 30 to 59 credits, sophomore; 60 to 89 credits, junior; 90 credits or more, senior.

At least 120 credits are required for graduation. Programs must include specified general education requirements and a major or area of concentration (see below). The number of courses required for graduation varies because courses are assigned varying amounts of credit.

The college year is divided into two semesters of approximately 15 weeks each, followed by an optional May session. Except in special cases, full-time students carry 12 to 16 credits each semester; an average course load is 16 credits, usually three or four courses, per semester.

Majors Offered

The University of Minnesota, Morris offers the following majors:

Art History	Management
Art, Studio	Mathematics
Biology	Music
Chemistry	Philosophy
Computer Science	Physics
Economics	Political Science
Elementary Education	Psychology
English	Social Science
European Studies	Sociology
French	Spanish
Geology	Speech Communication
German	Theatre Arts
History	Women’s Studies
Latin American Area Studies	
Liberal Arts for the Human Services	

Students may also choose to complete an area of concentration. This is an individualized, often interdisciplinary, group of courses that meets the requirements for a major.

Specific requirements for UMM majors are listed in the Division Structure and Course Descriptions section in this catalog. Completion of a given major, however, usually involves fulfillment of more than the minimum requirements. Once a student has selected a major, she or he should seek the counsel of a faculty member in the discipline to plan a well-organized and balanced program.

Many students enter college with no clear choice of a major in mind. General education requirements, many of which are completed during the first two years, will often acquaint students with disciplines from which they may select a major that best fits their interests and abilities.

Teacher Education

The requirements for teacher education programs are listed in the Division Structure and Course Descriptions section of this catalog. These programs are selective. An admission process must be completed for entry into either the elementary or secondary education programs. Students who intend to seek licensure as an elementary school teacher should contact the Division of Education as soon as possible (no later than the fall semester of their sophomore year) if they expect to complete degree and licensure requirements in four years.

Students who intend to seek licensure as a secondary school teacher must select a major or field that is taught in the secondary schools and must complete a sequence of courses in secondary education. Such students should contact the Division of Education as soon as possible (no later than the spring semester of their junior year) if they expect to complete degree and licensure requirements in four years.

Honors Program

The Honors Program represents an opportunity for UMM students to enhance their education and work toward graduation “with honors.” All UMM students are eligible to participate in the Honors Program. Applications are available at the Honors Office, 225 Community Services. Students wishing to register for an honors course must be enrolled in the Honors Program. If spaces remain in an honors course at the end of registration, non-honors students may enroll with the permission of the instructor.

To graduate “with honors,” participants must (1) complete one honors course per year of participation; (2) participate in four honors co- and extracurricular activities per year of participation; (3) complete the mentor/student program; (4) successfully complete a senior honors project (which counts as an honors course), Morris Academic Partners (MAP) project, or an Undergraduate Research Opportunities Program (UROP) project; and (5) earn A’s for half of their UMM credits. Transfer students who wish to graduate from UMM “with honors” must complete the requirements expected of a student entering the program as a sophomore. They take two honors courses, complete the senior honors project, and engage in the number of honors activities required for each year they are in the Honors

Program. Honors courses taken at another institution will count in the UMM Honors Program if the director of the program finds them equivalent.

Honors courses are limited to a class size of 20. The courses encourage active learning through writing, experimentation, creative activity, or discussion and emphasize primary texts and materials. Honors students do original work that demonstrates a consistently high level of academic commitment. Honors courses are based, therefore, on evaluating the quality, not the quantity, of students’ active participation, and they differ significantly from other curricular offerings either in content or pedagogy. *A directed studies project (courses numbered 1993, 2993, 3993, 4993) may, with the approval of the project’s faculty director and the honors program director, be counted as an honors course.* The form used for requesting this approval is available in the Honors Office. Academic programs abroad, such as the English Language Teaching Assistant Program (ELTAP), Global Campus programs, or UMM summer programs abroad may be counted as honors courses with advanced approval of the faculty and the honors program director. To obtain honors credit for such courses, students must submit a supplementary reading list approved by the faculty director of the project, and write a critical paper on some aspect of their overseas experience. In general, honors courses provide learning opportunities not ordinarily available in the UMM curriculum.

Proposals for new honors courses should be discussed with the honors program director before submission to the appropriate division office for approval and forwarding to the Curriculum Committee. The appropriate forms are available from the division offices.

Although honors courses are rigorous, the grading standards are the same as for all UMM courses. Honors courses are not intended to produce an abnormally heavy workload. Because of staffing constraints, the list of honors courses may change from year to year. *The listing below represents a sampling of courses that have been offered in the past and which may be offered in the 2001-2003 biennium.* Actual course offerings appear in the [Class Schedule](#).

Honors activities are designated by the honors director. These activities include lectures, artistic performances, field trips, and colloquia. Honors students attend and respond to *at least four* activities per year, at least two

per semester. Juniors and seniors act as mentors in the program. See the Honors Program brochure for details.

The senior honors project is a substantial scholarly or creative work that shows the student's engagement in the intellectual life of the discipline(s) in which the project is completed. It is the responsibility of the student to secure a project adviser from an appropriate discipline, as well as a second adviser from outside the project's discipline, to oversee each project. Participants submit a proposal for their project by the end of their junior year. The project advisers certify to the Honors Program director that the project has been completed satisfactorily. Each project is appropriately presented to the UMM community of scholars (e.g., public presentation, archived paper, performance, or exhibit). Finally, a copy or a description of the project is submitted to the Honors Program director.

Sample Honors Courses—Updated listings are available through the Honors Program director. For complete course descriptions, see the Division Structure and Course Descriptions section; symbols are explained near the beginning of that section.

Note: The following courses all require approval from the instructor for students not in the Honors Program.

Anth 2302Hs. Honors: Women in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Chem 1102Hs. Honors: General Chemistry II. (Sci-L; 4 cr; prereq 1101)

Econ 3131Hs. Honors: Comparative Economic Systems. (IP; 2 cr; prereq 1111, 1112 or #; not offered 2002-2003)

Econ 4121Hs. Honors: International Trade Theory. (SS; 2 cr; prereq 3201 or #; not offered 2002-2003)

Econ 4131Hs. Honors: International Finance. (SS; 2 cr; prereq 3202 or #)

Ed 3101Hf. Honors: Ethics and Decision Making in Education I. (E/CR; 4 cr; prereq upper div status)

Ed 3102Hs. Honors: Ethics and Decision Making in Education II. (1-4 cr; prereq 3101H)

Eled 3101H. Honors: Teaching and Learning Strategies. (4 cr; prereq admission to the elem teacher ed program)

Engl 3041H. Honors: Chaucer. (Hum; 4 cr; prereq 1100, 2011; offered when feasible)

Fren 1021H. Honors: French Language and Culture in Paris I. (FL; 4 cr)

Fren 1302Hs. Honors: French Cinema. (IP; 4 cr)

Fren 3060H. Honors: French Language and Culture in Paris II. (IP; 4 cr; repeatable to 8 cr; prereq 1002)

Geol 1101Hf. Honors: Physical Geology. (Sci-L; 4 cr; not offered 2000-2001)

Hist 3152H. Honors: Modern Middle East, Imperialism to Independence, 1876-1948. (Hist; 4 cr)

Hist 3452H. Honors: Minnesota History. (Hist; 4 cr)

Hum 1300H. Honors: Variable Topics in French Literature and Culture. (See specific topics for general education categories; 4 cr; repeatable when topic changes)

Hum 1301H. Honors: Literature and Culture of French-Speaking Africa and the Caribbean. (IP; 4 cr)

Hum 1302Hs. Honors: French Cinema. (IP; 4 cr)

Hum 1303H. Honors: Paris as Text/Image/Sound. (IP; 4 cr; not offered 2002-2003)

Hum 1451Hs. Honors: German Literature in Film. (IP; 4 cr; does not count toward German major or minor; not offered 2002-2003)

Hum 1500Hs. Honors: Contemporary Latin American Novel in Translation. (IP; 4 cr; repeatable with #; does not count toward Spanish major or minor)

NSci 3201. Honors: Relativity and Cosmology. (Sci; 4 cr; prereq Math 1102, Phys 1102; offered when feasible)

Pol 3264Hs. Honors: American Political Culture. (Hist; 4 cr; prereq 1201 or #; not offered 2001-2002)

Psy 3221Hf. Honors: Behavioral Biology of Women. (Sci; 2 cr; not offered 2001-2002)

Soc 2302Hs. Honors: Women in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111)

___ 1993f,s, 2993f,s, 3993f,s, 4993f,s. **Directed Study.** (1-5 cr; repeatable; prereq #)

One or more of these courses are available in each discipline and may be taken as honors courses subject to approval of the Honors Program Committee.

___ 4994f,s. **Senior Honors Project.** (1-5 cr; repeatable; prereq participation in Honors Program, #)

This course is available in each discipline.

Honors and Awards

Honors and awards recognize exceptional scholarship and related achievements within the student body. Such scholarship can be demonstrated in a variety of ways. General academic excellence, as traditionally measured by the grade point average (GPA), is one way. Exceptional scholarship, however, may not always be reflected by the GPA. For this reason, UMM also recognizes creative scholarship as demonstrated in a particular discipline.

Graduation With Distinction—Students graduating “with high distinction” have an overall GPA of 3.90 or higher; those graduating “with distinction” have a GPA from 3.75 to 3.89. These standards apply to students who entered fall 1998 or later. Students who entered at an earlier date should consult the catalog for their year of entry.

Graduation With Honors—Students graduating with honors have successfully completed the UMM Honors Program, including honors courses, honors activities, and a senior honors project, and have earned A's for half of their UMM credits. (See Honors Program above for detailed program requirements.)

Dean's List—The Dean's List recognizes students who have achieved an outstanding academic record during a given semester. To qualify, students must have earned a GPA of 3.67, have registered for a minimum of 12 credits, taken at least two-thirds of these credits on the A-B-C-D-F grading system, and completed all credits for which they were registered during that semester. The Dean's List is announced each semester by the vice chancellor for academic affairs and dean, and a certificate is sent to each student named on the list. The Dean's List is also sent to the hometown newspapers of all students named to that semester's Dean's List.

There are instances in which coursework may extend beyond a single academic semester or a serious illness or justifiable emergency may make it impossible for work to be completed by the end of a semester. In such cases, students who meet all other criteria for the Dean's List stated above may petition the Functions and Awards Committee, in writing, for an exception; petitions must be filed within two weeks after the beginning of the next semester for which students register. Students who seek such exceptions should consult with the Office of the Registrar for more information.

Scholar of the College Award—Presented annually to students who have demonstrated scholarly work by making a valuable contribution to one or more of the academic disciplines. Nominations are made by the faculty, reviewed by the Functions and Awards Committee, and approved by the Campus Assembly.

In addition to the above scholastic honors, the University of Minnesota, Morris recognizes campus-wide student leadership through the following awards:

Art History Book Award—Given to a graduating senior art history major in recognition of academic excellence and potential for further achievement in the arts.

Abbott Award in Physics—Presented to a graduating senior who plans to attend graduate school and shows great potential for achieving a professional career in physics. This award honors the contributions of Robinson and Rose Marie Abbott to the UMM community and their three sons who graduated from UMM with majors in physics. Robinson Abbott, a biology professor, was a faculty member for 30 years and served as the Division of Science and Mathematics chairperson in the 1960s. Rose Marie Abbott also taught at UMM.

American Indian Salt Springs Cultural Award—Presented to outstanding American Indian students on the basis of academic excellence and contribution to the Indian and campus community. To be eligible, the student must return to UMM the following year.

Natalie Benoit Memorial Award—Presented to a junior or senior art student. Established in honor of the late Natalie Benoit by her parents, George and Joan Benoit.

Chris Berg Memorial Award—Presented annually to an outstanding senior majoring in economics who has demonstrated academic excellence in that field. It is presented by the economics/management faculty in memory of their late colleague.

Keith Carlson Memorial Jazz Award—Presented annually to the outstanding jazz musician at UMM. This award was established in memory of Keith Carlson by Mr. and Mrs. Jack Carlson.

Chancellor's Award—Presented to outstanding students on the basis of academic excellence and contribution to campus life. The Executive Committee of the Morris Campus Student Association and student members of the Campus Assembly nominate students for this award. Students in turn are endorsed by the Functions and Awards Committee. UMM's Chancellor makes the final selection.

pdf Chemistry Award—Presented annually to a senior chemistry major who has demonstrated outstanding scholarship, potential, and service in chemistry.

Allen W. Edson Award—Presented annually in recognition of a student's total contribution to campus life. Selection is made by the Executive Committee of the Morris Campus Student Association, student members of the Campus Assembly, and the faculty. Allen Edson was superintendent of the West Central School of Agriculture and Experiment Station from 1948 until his death in 1958.

Edith Rodgers Farrell Memorial Award—Granted to a graduating senior whose research is judged to be excellent by a jury of faculty. Edith Rodgers Farrell was a professor of French and advocate of undergraduate research.

Gieske Academic Award—Offered annually to an outstanding political science major in the senior year. Recipients will have an exceptional record of accomplishment at UMM as well as strong prospects for success after graduation. The award is in memory of Millard R. Gieske, professor of political science from 1963 to 1991.

Roy Grohs Award—Presented to an outstanding management or economics junior who has demonstrated academic excellence, provided service to the discipline, and will be returning to UMM. The award is in honor of Roy Grohs, assistant professor of economics from 1969 through 1984.

Arnold Henjum Award—Presented to a senior athlete on the basis of academic and athletic excellence and integrity. The award is in honor of Arnold Henjum, professor of education from 1964 to 1992.

Willis Kelly Award—Presented annually to a senior woman athlete who most exemplifies the spirit of competition in women's athletics at the University of Minnesota, Morris. The award is in memory of Willis Kelly, a physical education coach and athletic director at UMM for more than 20 years. She became the first director of women's athletics in 1975 and served as director of men's and women's athletics from 1982 until her retirement in 1987.

Curtis H. Larson Award—Presented to the graduate chosen as senior class speaker. Established in honor of the late Curtis H. Larson, the first class speaker in 1964, who died in an automobile accident while serving in the Peace Corps in Ecuador.

Mary Martelle Memorial Award—Presented annually to a student and to a staff member deemed to have made outstanding contributions to campus life. This award perpetuates the memory of Mary Martelle, senior secretary in the Office of Student Activities from 1965 to 1976. Recipients of this award are named by a special selection committee appointed by the chancellor.

Betty Peterson Memorial Accompanying Award—Presented annually to recognize students, music or non-music majors, whose accompanying is of exceptionally high quality.

Jay Y. Roshal Award—Presented to a senior student majoring in biology at UMM who demonstrates promise and interest in a career in the biological sciences. The award is in honor of Jay Y. Roshal, professor of biology at UMM from 1960 to 1983.

William R. Scarborough Award—Presented annually to a senior student enrolled in either the elementary or secondary education program, this award recognizes a student's demonstrated competence and potential for becoming an outstanding member of the teaching profession. The award perpetuates the memory of William Scarborough, who joined the UMM faculty in 1966 and served as chairperson of the Division of Education until his death in 1979.

Student Leadership Award—Presented annually to recognize student achievements in student initiated and directed activities. These include the student organizations, committees, and special groups whose activities or programs are coordinated with or administered by Student Activities or Residential Life.

Ted Underwood Award—Presented to a graduating senior with a major or minor in history or a history concentration in the social science major who has demonstrated distinguished academic performance in history. The award is named for Ted L. Underwood, history faculty member from 1967 through 1999.

Wall Street Journal Award—Presented annually to an outstanding senior majoring in economics who has shown individual initiative through independent study, directed study projects, and honors courses, and who has provided service to the discipline.

For more information about these and other awards, contact the respective division chairperson.

May Session

The May session is a three-week term scheduled after spring semester ends. It is designed to offer unique courses especially suited to a short, intense time frame. Courses include, but are not limited to, short-term domestic and international study programs; topics that are innovative, experimental, interdisciplinary, and examined in greater depth; or special internships. Course offerings and enrollment requirements are determined by the UMM Summer Session Office.

Degree Requirements

University of Minnesota Degrees

Degrees from the University of Minnesota are granted by the Board of Regents upon the recommendation of the faculty of the University school or college, in this case the Morris campus, in which the student is enrolled. Requirements vary to some extent among the undergraduate colleges of the University, and students must meet all course, credit, and grade point average requirements of the college in which they are enrolled. The *Morris Catalog* is in effect for nine years; this catalog is in effect from fall 2001 through the end of summer session 2010. However, students may choose to use the catalog in effect their first term and year at UMM (provided it has not expired) or any subsequent catalog. The University of Minnesota converted from quarters to semesters in fall 1999. This transition will not impede UMM students' progress toward graduation. Consult faculty advisers, the Academic Advising Office, or the vice chancellor for academic affairs and dean about semester conversion questions. Prospective graduates must file an application for their degree at least one semester ahead of their expected commencement date and must meet all financial obligations to the University.

Bachelor of Arts Degree at UMM

Requirements for the bachelor of arts (B.A.) degree of the University of Minnesota, Morris consist of two parts, general education and the major. *General education*, in turn, consists of three parts: *First-Year Seminar*, *Skills for the Liberal Arts*, and *Expanding Perspectives*. First-semester freshmen are required to have the First-Year Seminar. All students must meet the requirements listed in *Skills for the Liberal Arts* and in *Expanding Perspectives*. The *major* is a field of specialization whose requirements are specified by faculty in that discipline or academic area.

The Skills component of general education aims at helping students acquire the intellectual and communication skills needed for successful advanced work. The Expanding Perspectives component aims at helping students gain enough understanding of the principal areas of human endeavor to continue learning in the future and to have a sense of the limits of their knowledge. Work in the major aims at giving students learning in depth and making them reasonably expert in one area.

Because new students need to lay the foundation for liberal learning early, they are expected to complete a significant part of the Skills component during their first and second years of college. The emphasis is on establishing an intellectual framework for future work, a framework consisting of writing, linguistic reasoning, and artistic skills. Students will continue to develop these skills in advanced courses. It should be noted that in most Skills categories, the requirements may also be met through assessment of prior learning, transfer of credit, individual projects, testing, and other means. These methods may be especially helpful in the case of nontraditional students.

The Expanding Perspectives component is aimed at producing liberally educated people who are distinguished by their ability to understand how knowledge is acquired in many different fields. These people usually have broad interests and know where to obtain information on almost any subject. They can solve problems because they bring ideas and techniques from one field to bear on another in innovative ways. In a world of diverse peoples, activities, and value systems, all of which are increasingly interrelated, it is especially important that college graduates have breadth as well as depth in their education and that they expand the horizons of their knowledge.

Expanding Perspectives is subdivided into two parts. One part consists of a traditional core of liberal studies roughly organized around the subjects of history, social sciences, humanities, fine arts, and the biological and physical sciences. The other part addresses contemporary themes, which are grouped under the heading *The Global Village*. In these the aim is to expand students' perspectives on human diversity, people and the environment, the international scene, and issues of ethical and civic responsibility. In some cases, students may also satisfy Expanding Perspectives requirements through independent study, transfer credit, internships, study abroad, special examinations, and other means. Students will gradually fulfill the Expanding Perspectives requirements throughout their college career.

During the freshman year, students should explore possible majors or fields of specialization, keeping in mind that, in a liberal arts degree program, the major is more often their intellectual "home base" than preparation for a specific occupation.

Courses taken to complete general education requirements may also apply to requirements in the major. *However, all students must complete 60 credits of general education that are not drawn from the discipline of the major.*

Degree Requirements

1. General Education Requirements (60 credits)

Provision i

UMM courses designated as appropriate for meeting general education requirements are those which, if passed successfully, demonstrate the student's competency in a given skill or area.

Students are required to complete a minimum of 60 credits of general education coursework outside the discipline of the major and must meet the requirements listed below within those 60 credits. The requirements may be met not only through UMM courses, but also by transfer of credit, examinations for proficiency or credit, assessment of prior learning, individual projects, and other means. For details, students should consult with their advisers.

In some instances the specific general education requirements may be met using fewer than 60 UMM credits. If this occurs, then elective courses, introductory or advanced, from any discipline outside the major, with the exception of courses in elementary or secondary education, wellness and sport science, or accounting courses in management, may be used to fulfill the remaining credits of the 60-credit general education requirement.

Note: The designation following each category below, e.g., FYS for First-Year Seminar, appears at the beginning of the parenthetical information for each course that is appropriate for that category.

- I. The First-Year Seminar (FYS)—**One 2-credit course.**
- II. Skills for the Liberal Arts—**One to five courses.***

These requirements emphasize the development of the intellectual skills, the communication skills, and the framework for learning needed for successful advanced work. Because new students need this foundation early, they are expected to complete many of these requirements during their first and second years.

- A. *College Writing (CW)*—One course.*
- B. *Foreign Language (FL)*—Two courses in a single language.*
- C. *Mathematical/Symbolic Reasoning (M/SR)*—One course.*
- D. *Artistic Performance (ArtP)*—One course.
- III. Expanding Perspectives—**Eight courses of at least 2 credits each.**
 - A. *Historical Perspectives (Hist)*—One course.
 - B. *Human Behavior, Social Processes and Institutions (SS)*—One course.
 - C. *Communication, Language, Literature, and Philosophy (Hum)*—One course.
 - D. *Fine Arts (FA)*—One course.
 - E. *Physical and Biological Sciences (Sci—without lab; Sci-L—with lab)*— Two courses, one with lab.
 - F. *The Global Village*—Two courses, one from each of two areas.
 1. *Human Diversity (HDiv)*
 2. *People and the Environment (Envt)*
 3. *International Perspective (IP)*
 4. *Ethical and Civic Responsibility (E/CR)*

**This requirement may be fulfilled through exemption.*

Provisions ii through v

Provision ii—Goals will be used to match courses to general education requirements (see below).

Provision iii—Only courses of two or more credits will satisfy an Expanding Perspectives requirement.

Provision iv—A course can satisfy only one of the general education categories.

Provision v—In the description of each major, there will be a statement about how students majoring in that area formally acquire computing and writing skills. Students should contact their faculty adviser for current information.

Goals of the General Education Requirements

- I. *First-Year Seminar*: First-year seminar aims not only to teach students to think critically and to assess sources of information, but also to help students to become aware of the lenses through which they perceive and to recognize that their perceptions are not universal.

- II. A. College Writing:* To understand the writing process through invention, organization, drafting, revising, and editing, and develop writers who can write about a range of ideas for a variety of readers.
- II. B. Foreign Language:* To develop some fluency in the skills of speaking, listening, reading, and writing in a second language, and critical insight into another culture.
- II. C. Mathematical/Symbolic Reasoning:* To strengthen students' ability to formulate abstractions, construct proofs, and utilize symbols in formal systems.
- II. D. Artistic Performance:* To introduce an understanding of the creative process through individual performance, and demonstrate skill in such activities as composition, theater, dance, studio art, and music.
- III. A. Historical Perspectives:* To increase students' understanding of the past, the complexity of human affairs, the ways in which various forces—economic, cultural, religious, political, scientific—influence efforts to control events, and the ways historians verify and interpret their findings.
- III. B. Human Behavior, Social Processes and Institutions:* To increase students' systematic understanding of themselves as functioning humans, their individual similarities to and differences from others, their awareness of the nature and significance of their conscious experience, and the forces that shape their interpersonal attachments and interactions; or to increase students' understanding of methods of analyzing modern society or some significant legal, political, economic, religious, social, or scientific component of it.
- III. C. Communication, Language, Literature, and Philosophy:* To expand students' capacity to understand, analyze, discuss, and evaluate discourse concerning the complexity of the human condition through the study of languages and works of thought and imagination.
- III. D. Fine Arts:* To develop students' understanding, analysis, and appreciation of the arts.
- III. E. Physical and Biological Sciences:* To increase students' understanding of the structure and dynamics of the physical and biological worlds, and of the scientific method.
- III. F. The Global Village:* To increase students' understanding of the growing interdependence among nations, peoples, and the natural world.
- III. F. 1. Human Diversity:* To increase students' understanding of individual and group differences (e.g., race, gender, class) and their knowledge of the traditions and values of various groups in the United States.
- III. F. 2. People and the Environment:* To increase students' understanding of the interrelatedness of human society and the natural world.
- III. F. 3. International Perspective:* To increase students' systematic understanding of national cultures substantially different from those in which they received their prior schooling.
- III. F. 4. Ethical and Civic Responsibility:* To broaden and develop students' capacity to question and reflect upon their own and society's values and critical responsibilities, and to understand forces, such as technology, that cause them to modify these views and often mandate creation of new ways to resolve legal, social, and scientific issues.

2. Major or Area of Concentration

The major at UMM is defined as an intensive and coherent program of study reflecting the structure of one or more fields of knowledge. The major complements the essential skills and the broad base of knowledge provided by general education.

The purpose of the major is to ensure that each student pursues a particular field of knowledge in depth, investigates advanced theories and schools of thought, and becomes competent in using the language and methods of inquiry of the field. It is through such concentrated study, conducted over an extended period of time, that a student begins to master an existing body of knowledge and comes to understand the nature of expertise in the chosen field, including both its power and its limitations.

Students complete a major in an academic discipline by fulfilling the requirements for that major as specified elsewhere in this catalog. Some students may choose instead to complete an *area of concentration*, which is an individualized, often interdisciplinary, group of courses that meets the requirement of study in depth of a specific field of knowledge. (Students wishing to complete an *area of concentration* instead of a defined major must

have that program approved by appropriate faculty advisers and the vice chancellor for academic affairs and dean. A copy of the approved program must be filed with the Registrar's Office. Detailed procedures and forms are available from the Office of the Vice Chancellor for Academic Affairs and Dean.

3. Minor or Area of Emphasis

The minor shares the essential characteristics of the major but differs from it quantitatively. It indicates a special interest and expertise beyond general education and provides sufficient skills and knowledge of the field to form a basis for further study. The requirements for minors are listed in this catalog under the appropriate academic discipline.

Students may choose instead to complete an area of emphasis, a group of courses that meets the same standards used for minors. (Students wishing to complete an area of emphasis must follow the same procedures used to define an area of concentration.)

A minor or area of emphasis is not required for graduation.

4. Minimum Required Credits (120 credits)

A student can fulfill the course requirements for graduation in most programs within the 120-credit minimum, but some combinations of general education courses, major, and teacher education licensure programs may require more than 120 credits. The 120 credits required must include a minimum of 60 credits of general education outside the discipline of the major.

No major or program may require students to take more than 40 of the 120 credits required for graduation in any one discipline¹ but students will be allowed to count up to 48 credits in a single discipline toward the 120. No more than 8 credits in Mus 1300 through Mus 1340, no more than 4 credits in WSS 1401 through WSS 1411, and no more than 4 credits in Psy 4896 may be applied to the 120-credit degree requirement. No more than 10 credits of D may be applied to the 120-credit degree requirement. The use of the grade of D in the major may be further restricted by the discipline.

5. Quality of Work

A student must earn at least a C (2.00) average in all coursework that is applied to the B.A. degree and in the major or area of concentration.

6. Residency

A UMM student must earn 30 credits from UMM; 15 credits must be earned in residence during the senior year. Credits earned through University of Minnesota Continuing Education classes are considered residence credits. AP, CLEP, and IB credits are considered nonresident for purposes of the residency requirement.

¹ *For the purpose of this policy all secondary education methods courses are considered to belong to the secondary education discipline. College composition credits do not count toward the 40-credit maximum in English. Introductory foreign language courses do not count toward the 40-credit maximum in the language disciplines. Introduction to public speaking courses do not count toward the 40-credit maximum in speech communication. Credits earned through the CLEP general examination in mathematics do not count toward the 40-credit maximum in the mathematics discipline. For music majors with teaching licensure, Mus 1300, 1310, 1320, and 1340 credits are allowed to count toward the 60-credit general education requirement.*



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Division Structure

Disciplines (i.e., departments or fields such as English, physics, or psychology) are grouped administratively into four divisions—Education, Humanities, Science and Mathematics, and Social Sciences—to help integrate the various areas of study into a liberal arts curriculum, provide a forum for faculty discussion of common programs and interests, and encourage the planning of interdisciplinary academic programs.

Courses are listed alphabetically by discipline. Each discipline description includes, as appropriate, requirements for the major, the minor, and teacher education licensure.

Division of Education

Education (page 77)

Elementary Education (page 79) Secondary Education (page 82)

Wellness and Sport Science (page 138)

Through the field of education, students can pursue the study of education and its role in society (separate from teacher licensure programs); complete a major and teaching licensure in elementary education; prepare to teach one or more liberal arts subjects at the secondary school level; and/or prepare for graduate study in education.

Intercollegiate athletics, athletic training education program, lifetime physical activity classes, coaching endorsement, and courses addressing various wellness issues are offered in the wellness and sports science discipline.

Many students enrolled at UMM, no matter what their area of study, participate in intercollegiate athletic competition, which is directed by the wellness and sport science faculty.

Division of Education programs are enhanced through faculty commitment to personalized instruction, use of current instruction technologies, and opportunities for student and faculty participation in multicultural and international educational experiences.

Division of the Humanities

Art History (page 65)

Art, Studio (page 66)

English (page 88)

French (page 93)

German (page 97)

Humanities (page 101)

Music (page 115)

Philosophy (page 118)

Russian (page 128)

Spanish (page 131)

Speech Communication (page 133)

Theatre Arts (page 136)

The Division of the Humanities is composed of 10 disciplines offering a major, as well as supplementary courses in Russian and the humanities, i.e., the literature and thought of the non-English-speaking world in translation.

Since the time of the ancient Greeks and Romans, the disciplines in the humanities have been central to the meaning of a liberal education. These disciplines investigate important questions about the nature of human beings and their cultures, and examine alternative views concerning the meaning and direction of life.

In addition to its curricular programs, the Division of the Humanities sponsors and directs a varied program of cocurricular activities, organizations, and events for the campus and surrounding communities, including

- Student art exhibitions, an active student Art Club, and Art Gallery exhibits of works by professional artists.
- Scheduled poetry readings; a Prairie Gate Press; foreign and American films; a Writing Room to help students develop creative and expository writing skills; lectures on literary and language subjects; French, German, and Spanish student clubs with a variety of projects; opportunities for language students to travel and study abroad.
- A varied program of musical events, including concert band, orchestra, jazz ensemble, and choir concerts, as well as recitals by students and faculty; opportunities to work with well-known composers and artists in residence; tours.
- A Philosophy Colloquium in which internationally distinguished philosophers participate.
- A number of opportunities in speech communication, including sponsorship of speakers and discussion groups, student

attendance at conferences, and participation in the student organization Communications Club.

- Annual offering of faculty- and student-directed plays; opportunities to work with professional troupes in residence; annual theatre tour to New York or London.

The Division of the Humanities provides students with opportunities to participate in the varied curricular and cocurricular programs described above. Through participation in these programs as either employees or volunteers, scores of students each year discover for themselves the meaning and value of a liberal education.

Finally, the Division of the Humanities offers its students one of UMM's most beautiful and useful facilities, the Humanities Fine Arts Center—a building that has been granted by *Progressive Architecture* its First Design Award with the following citation:

“It gives architectural form to a powerful new direction in education—the school being integrated into the community. This project shows how the school can be a model for community development.”

Division of Science and Mathematics

- Biology (page 69)
- Chemistry (page 71)
- Computer Science (page 73)
- Geology (page 95)
- Mathematics (page 113)
- Natural Science (page 118)
- Physics (page 120)
- Statistics (page 135)

Whether interested in biology, chemistry, computer science, geology, mathematical sciences, or physics, students will find that programs in UMM's Division of Science and Mathematics offer excellent preparation for employment in a related field, graduate study, or teaching in junior or senior high school. Courses leading to Minnesota secondary education licensure are offered in chemistry, physics, life science, earth science, and mathematics. The sciences form an integral part of UMM's preprofessional programs in the health, medical, and engineering fields and contribute to general education studies.

Students will have many opportunities to get to know their instructors and perhaps be associated with them on research projects. Students have worked with faculty on evolutionary computation, distributive computing, and asynchronous transfer mode networks. They have helped develop a variety

of methods for the analysis of statistical data, such as a loglinear model of educational data and the representation of three-dimensional copulas in terms of two-dimensional marginals. Students have done research into the dynamics of granular materials and into the flow of heat through soils. They have conducted investigations into molecular biology and the genetic engineering of microorganisms, the ecology of prairies, and the genetics and ecology of amphibians. They have studied the geology of glacial deposits in Minnesota, analyzed the fossils and sediments of the Cretaceous Seaway in South Dakota, and contributed to faculty field research in the Rocky Mountains of Colorado and Idaho. They have conducted research on the breakdown of pesticides, the preparation of novel chemical compounds, and the development of new chemical reactions both at UMM and in universities and laboratories across the country. Students are encouraged to publish results of their research with faculty or to present their findings at conferences or seminars. Many students at some time serve as teaching assistants, earning money while assisting professors in tasks ranging from helping with laboratory courses to tutoring beginning students.

In geology and biology, field trips are an integral part of the learning process. Students and faculty have traveled to the Florida Keys, the volcanoes of Hawaii, the deserts of Arizona and New Mexico, western Canada and Alaska, and throughout Minnesota and surrounding regions of the Upper Midwest, in seeking a better understanding of our Earth's natural environments, landforms, and processes.

Students will find other ways to enhance their studies in the sciences. The Geology, Math, ACM Computer, Biology, ACS, Chemistry, and Physics and Engineering Clubs provide an opportunity for students and faculty who share mutual interests to meet informally and participate in related activities. In addition, visiting scientists frequently come to campus to discuss current scientific problems and topics with UMM faculty and students.

The Science and Mathematics facilities continue to be upgraded. A new laboratory and classroom wing, now houses biology and chemistry laboratories and general purpose classrooms. The old building is being renovated to house the computer science, geology, mathematics, and physics programs. With these enhanced facilities, the opportunities available to students will be even more exciting.

Division Structure and Course Descriptions

Division of the Social Sciences

- Anthropology (page 63)
- Economics (page 75)
- Geography (page 95)
- History (page 99)
- Liberal Arts for the Human Services (page 106)
- Management (page 110)
- Political Science (page 122)
- Psychology (page 125)
- Social Science Major (page 128)
- Sociology (page 129)
- Women's Studies (page 141)

The social sciences consist of the branches of study dealing with the structure of society and the activities of its members. The Division of the Social Sciences includes the disciplines of anthropology, economics, geography, history, management, political science, psychology, and sociology. In addition, its courses are incorporated into the interdisciplinary programs in Latin American Area Studies, Women's Studies, and European Area Studies, and it offers a major in Liberal Arts for the Human Services and a social science major for teacher licensure. The social sciences coursework is oriented toward liberal education studies that prepare students to understand human beings in their social relationships.

Many of the social science disciplines encourage various kinds of fieldwork. Students intern on the local as well as state and federal levels as social workers, counselors, state legislative assistants, and administrative assistants in a variety of programs and organizations, including the Older Adults Program, welfare agencies, and group homes. A number of students have co-authored studies with faculty and have presented papers at professional conferences. Many students serve as research and teaching assistants. They have

used primary research materials to recreate historical events for reports filed in the archives of the West Central Minnesota Historical Research Center. They go beyond the boundaries of the strictly "classroom" education to explore and gain firsthand experience with the professional tools of their field.

UMM's Division of the Social Sciences has many resources that lend themselves well to establishing individual learning experiences. Among these are the West Central Minnesota Historical Research Center, Psychology Laboratory, Project on Fantasy, Model United Nations Program, and a wide variety of internship and field studies programs.

Close student-faculty rapport is an important aspect of social sciences study. Individualized attention is emphasized and students are encouraged to work on a one-to-one basis with professors to create a program that best suits their needs and interests.

Interdisciplinary Programs

- European Studies (page 90)
- Interdisciplinary Studies (page 102)
- Latin American Area Studies (page 104)

UMM offers interdisciplinary majors, whose educational objectives are realized through an integration of courses from two or more disciplines, in European Studies, Latin American Area Studies, Liberal Arts for the Human Services, and Women's Studies. Interdisciplinary course offerings not associated with an interdisciplinary major or minor involve in-depth material of two or more traditional academic disciplines or divisions, and some include subject material of a very broad nature that cannot properly be regarded as a part of a traditional discipline or division.

Course Numbers and Designators

Course numbers reflect the level of difficulty of a course. Generally, courses numbered 1xxx are for undergraduates in their first year of study, courses numbered 2xxx are for undergraduates in their second year of study, courses numbered 3xxx are for undergraduates in their third year of study, and 4xxx are for undergraduates in their fourth year of study. Some courses require prerequisite coursework or advanced class status for entrance while others do not. Students should plan their programs carefully to complete courses in the proper sequence.

The current *Class Schedule* contains information on course prerequisites, hours and days, and room assignments.

In connection with course numbers, disciplines and programs are identified by a two-, three-, or four-letter designator prefix (e.g., Ed for Education, Pol for Political Science, LAAS for Latin American Area Studies).

Degree Requirements and Course Descriptions

Symbols, Abbreviations, and Punctuation—The following symbols, abbreviations, and punctuation are used throughout the course descriptions in lieu of page footnotes:

1201-1202-1203

..... A *hyphen* between course numbers indicates a sequence of courses that must be taken in the order listed. The first course in the sequence is a prerequisite for the second course, and the second course in the sequence is a prerequisite for the third course.

1201, 1202, 1203

..... A *comma* between course numbers indicates a series of courses that may be entered any semester.

Honors ... “Honors:” at the beginning of a course title indicates an Honors course.

f,s Following a course number, indicates fall, spring semester.

Sci-L Courses that meet specific general education requirements are designated as CE, CW, FL, M/SR, ArtP, Hist, SS, Hum, FA, Sci, Sci-L, HDiv, Evt, IP, E/CR. (See page 56 for more information about general education requirements.)

cr Credits per semester.

¶ Concurrent registration is required (or allowed) in the course listed after this symbol.

..... Approval of the instructor is required for registration.

prereq Before enrolling in some courses, students must have completed or be concurrently enrolled in certain other courses, or possess some particular qualification or class standing. These requirements are known as “prerequisites” (prereq). If no prerequisites are listed, there are none for the course. A prerequisite course listed by number only (e.g., prereq 3105) is in the same discipline as the course being described.

, In prerequisite listings, a comma means “and.”

Δ Approval of the discipline offering the course is required for registration.

Anthropology (Anth)

This discipline is in the Division of the Social Sciences. The anthropology curriculum focuses on providing a comparative understanding of the range of human cultures and societies throughout the world in both humanistic and social scientific terms. Anthropology applies this understanding to problems faced by different groups of people in the flux of the modern world. Courses meet the needs of liberal arts students and students planning to pursue anthropology at the graduate level.

Objectives—Anthropology courses are designed to provide an understanding of human beings and human society with respect to both biology and culture. Students are exposed to a broad historical and comparative framework within which to view the variety of human cultures. Coursework deals with concepts, techniques, and substantive knowledge of the branches of the field, e.g., physical anthropology, social and cultural anthropology, ethnology, archaeology, linguistics, and applied anthropology. (See Sociology for more information.)

Suggested Requirements for Area of Concentration

(See page 57 for more information on majors and areas of concentration.)

A minimum of 36 credits in anthropology and sociology, 28 of which must be in courses above the 1xxx level, including:

Anth 1111—Introductory Cultural Anthropology

Anth 2101—Physical Anthropology

Anth 3411—Seminar in Anthropological Methodology

Anth 4901—Seminar in Anthropological Theory

One course from:

Anth 4993—Directed Study

Anth 4994—Senior Honors Project

One course from:

Anth 2300—Variable Topics in Latin American Cultures and Societies

Anth 2402—American Indian Ethnography

Anth 3300—Variable Topics in Area Studies

Students should choose a faculty adviser as early as possible after declaring the area of concentration. Advisers help students select appropriate combinations of classes to fit their individual goals. Up to four credits of D may be used to meet the area of concentration requirements if offset by a sufficient number of higher grades to meet the minimum requirement of a cumulative GPA of C+ in all courses included in the area of concentration.

Division Structure and Course Descriptions

Suggested Requirements for Area of Emphasis

(See page 58 for more information on minors and areas of emphasis.)

A minimum of 24 credits in anthropology and sociology, 16 of which must be in courses above the 1xxx level, including:

- Anth 1111—Introductory Cultural Anthropology
- Anth 2101—Physical Anthropology
- Anth 3411—Seminar in Anthropological Methodology

Teacher Preparation Requirements

Students seeking teaching licensure in social studies 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Note: *Anth 2300, 2451, 3300, and 3411 may also be taken for credit in Sociology.*

Anth 1111f.s. Introductory Cultural Anthropology. (SS; 4 cr)

Varieties and range of human behavior as revealed through the comparative study of cultures throughout the world. Concepts developed by anthropologists to explain both the unity and diversity of humankind.

Anth 2101f. Physical Anthropology. (Sci-L; 4 cr; A-F only) Prehistoric human life and culture. Processes of human evolution. The fossil record linking anatomically modern humans with our earliest hominoid ancestors. Human and other primate evolution and genetics.

Anth 2300f.s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101)

Same as Soc 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Anth 2301f. Social Change and Development in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Anth 2302s. Women in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Anth 2302Hs. Honors: Women in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101, # for students not in Honors Program)

Same as Soc 2302H. In addition to regular coursework, honors students are required to compose one creative research paper and acquire pedagogical skills through leading occasional class discussions.

Anth 2400s. Variable Topics in American Indian Cultures and Societies. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101)

In-depth study of topic concerning North American Indians. Topics vary, e.g., traditional Native American societies and cultures, Native American archaeology, Native American religions.

Anth 2402f. American Indian Ethnography. (HDiv; 4 cr; prereq 1111 or Soc 1101; not offered 2001-02)

An analysis of ethnographic materials collected by and from American Indians and written by American Indian authors or with their participation.

Anth 2403s. American Indians in the Cinema. (Hum; 4 cr; prereq 1111 or Soc 1101)

An analysis of the representations and misrepresentations of American Indians in the cinema, television, and common culture of the United States.

Anth 2404. Introduction to the Peoples of North America. (HDiv; 4 cr; prereq 1111 or Soc 1101; not offered 2001-02)

An introduction to the societies and cultures of the peoples of North America (Canada, United States, Mexico) focusing upon the “traditional” (or pre-European contact) conditions.

Anth 2405f. American Indian Education. (HDiv; 4 cr; prereq 1111 or Soc 1101)

An analysis of the history, theory, and ethnographic data related to the uses, actions, and foci of the American educational system and the interactions of various American Indian individuals and groups within that system.

Anth 2451f. 20th-Century Native Americans. (HDiv; 4 cr)

Same as Soc 2451. The cultures, problems, and resurgence of Native Americans in the 20th century. Government policies; education, religion, self-determination, family, gaming, etc.

Anth 3101f. The Anthropology of Religion. (SS; 4 cr; prereq 1111 or Soc 1101; 4 addtl cr in Anth or Soc recommended; not offered 2001-02)

Comparative study of religion, magic, witchcraft, etc., in various parts of the world. Theories and concepts developed by anthropologists in dealing with religious phenomena in a cross-cultural perspective.

Anth 3200s. Variable Topics in Comparative

Ethnography. (Env; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101 or #)

Topics in social systems, beliefs, values, and customs of societies around the world. Comparison and analysis of how various components of social, biological, and cultural systems interact with one another and with their environments.

Anth 3201. Social Inequality. (Env; 4 cr; prereq 1111 or Soc 1101 or #; not offered 2002-03)

Examines the effect of the interaction of human groups with their extant technologies and their physical, social, and cultural environments, focusing particularly on how this interaction affects social inequality.

Anth 3202. Culture and Biology. (Env; 4 cr; prereq 1111 or Soc 1101 or #; not offered 2001-02)

Examines the interrelationships between biology and culture, using various cultures in the ethnographic record to assess the applicability of a range of biologically inspired hypotheses for aspects of human behavior and intelligence. The nature-nurture controversy.

Anth 3300s. Variable Topics in Area Studies. (IP; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101 or #)

Same as Soc 3300. In-depth study of societies and cultures (values, religions, politics, economic institutions, kinship, family organization) of a particular part of the world, e.g., Africa, India and South Asia, China, Pacific Islands.

Anth 3301s. India and South Asia. (IP; 4 cr; prereq 1111 or Soc 1101 or #)

Anth 3411s. Seminar in Anthropological Methodology.

(E/CR; 4 cr; prereq 1111 or Soc 1101, 4 addtl cr in Anth or Soc)

Same as Soc 3411. Exploration and evaluation of methods used in cultural anthropology; qualitative methods in sociology and anthropology; research ethics; design and execution of qualitative research project.

Anth 3900f. Variable Topics in Anthropology Seminar.

See specific topics for general education categories and prerequisites; 4 cr; repeatable when topic changes)

Advanced topics pertaining to methodological, theoretical, substantive, and ethical issues and developments in anthropology.

Anth 3901. Who Owns the Past? (E/CR; 4 cr; prereq

Anth 1111 or Anth 1110 or Soc 1100, 5 addtl cr in Anth or Soc or #; not offered 2002-03)

Ethical issues in archaeology, including discussion of the various indigenous peoples' responses to issues of intrusion by archaeologists, including the Aboriginal Rights Movement in Australia, the Sami in Scandinavia, and NAGPRA (the Native American Graves and Repatriations Act) in the US as well as forgeries, and off-the-wall theories.

Anth 3902. Cultural Representations in Mainstream

Cinema. (IP; 4 cr; prereq 1111 or Soc 1101; not offered 2002-03)

The misrepresentation of various racial, ethnic, and religious minority groups in modern, mainstream cinema. Conceptual frameworks for understanding and analyzing these differences.

Anth 4901s. Seminar in Anthropological Theory. (4 cr;

prereq 1111 or Soc 1101, 4 addtl cr in Anth or Soc)

Survey of the historical development and major contemporary fields of anthropological theory.

Anth 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study.

(1-5 cr; repeatable; prereq #)

Research, field, or cultural experiences.

Anth 4994f,s. Senior Honors Project. (1-5 cr; repeatable;

prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Art History (Arth)

This discipline is in the Division of Humanities. Art history involves the study of ways the visual arts reflect and shape the world's cultures.

Objectives—The purposes of the art history curriculum are to develop students' understanding of some of the historical traditions in the visual arts, to teach students methods of analysis and interpretation of the meaning of works of art, and to help students learn to evaluate the quality of works of art.

Major Requirements

ArtS 1101-1102—Basic Studio Drawing

ArtS 1103—Basic Studio 2-D Design

ArtS 1104—Basic Studio 3-D Design

ArtS 1105-1106—Basic Studio Discussion

Arth 1101—Principles of Art

Arth 1111—Ancient and Medieval Art

Arth 1121—Renaissance to Modern Art

and 24 additional credits in art history

Courses with grades of D may not be used to meet the major requirements. Required courses may not be taken S-N unless offered S-N only.

Minor Requirements

Arth 1101—Principles of Art

Arth 1111—Ancient and Medieval Art

Arth 1121—Renaissance to Modern Art

and 12 additional credits in art history

Courses with grades of D may not be used to meet the minor requirements. Required courses may not be taken S-N unless offered S-N only.

Course Descriptions

Arth 1101. Principles of Art. (FA; 4 cr)

An introduction to the theories, methods, and vocabulary of art history. Involves development of basic skills of research and of analysis and interpretation of individual works of art. Helps the student to understand the intrinsic as well as the historical-cultural meanings of works of art.

Arth 1111. Ancient and Medieval Art. (FA; 4 cr)

Origins of art in the Paleolithic period; survey of monuments of ancient Mesopotamia, Egypt, Greece, and Rome as well as the Early Christian, Romanesque, and Gothic styles of western Europe. Also treatment of non-western traditions in ancient and medieval periods.

Arth 1121. Renaissance to Modern Art. (FA; 4 cr)

Survey of the major works of art of western Europe from 1400 to the present.

Arth 3101f. Art of Ancient Greece. (FA; 4 cr; prereq 1101 or

1111 or 1121 or jr status; not offered 2001-02)

Beginning with the Bronze Age civilization of the Aegean, Minoan, Cycladic, and Mycenaean, this course will follow the development of painting, sculpture, and architecture of ancient Greece, concentrating on the classical period in Athens and the Hellenistic period in the Mediterranean.

Arth 3111s. Art of Ancient Rome. (FA; 4 cr; prereq 1101 or

1111 or 1121 or jr status; not offered 2001-02)

The Etruscan civilization in central Italy originating in the 7th century B.C.E. will initiate the study of the development of Roman painting, sculpture, and architecture with concentration on the Imperial period of ancient Rome to the 4th century C.E.

Arth 3121f. Medieval Italian Art. (FA; 4 cr; prereq 1101 or

1111 or 1121 or jr status; not offered 2001-02)

Painting, sculpture, and architecture of central Italy, notably Tuscany, from the 12th to 14th centuries, with attention to the influence of the mendicant monastic orders of the Franciscans and the Dominicans on the art of the period.

Arth 3131s. Northern Renaissance Art. (FA; 4 cr; prereq

1101 or 1111 or 1121 or jr status; not offered 2002-03)

Painting, sculpture, and architecture of France, Belgium, the Netherlands, and Germany during the late 14th century to the mid-16th century, tracing the development of oil painting and interpreting the significant imagery of the period.

Division Structure and Course Descriptions

Arth 3141f. 15th-Century Italian Renaissance Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

The renewal of interest in Classical art and humanistic learning as embodied in the painting, sculpture, and architecture of Italy. Tuscany in central Italy will be the focus of this rebirth in Renaissance art and culture.

Arth 3151s. High Renaissance Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

The art of the 15th and early 16th centuries in Italy, concentrating on the work of Leonardo da Vinci, Michelangelo, and Raphael to understand the classicizing principles of the time and place.

Arth 3161f. 16th-Century European Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

A study of art during a period of cultural upheaval and radical change in Italy and northern Europe from 1520 to 1590.

Arth 3171s. Baroque Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

A sociohistorical consideration of the stylistic and thematic diversity present in the works of such 17th-century masters as Caravaggio, Bernini, Velazquez, Rembrandt, and Vermeer.

Arth 3181f. Rococo to Revolution. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

An examination of the visual arts in relation to social and historical developments in 18th-century Europe, such as the Enlightenment, the French Revolution, archaeological discoveries, the Grand Tour, and the rise of art criticism.

Arth 3191s. American Art to 1900. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

A thematic exploration of the role of painting, sculpture, and the decorative arts in American society, from colonial times to 1900. Topics include the landscape and Manifest Destiny, American icons, folk art, and the representation of Native Americans, African-Americans, and women.

Arth 3201f. 19th-Century European Art through Post-Impressionism. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

Survey of major movements from Neoclassicism through Romanticism, Realism, and Impressionism to Post-Impressionism. Attention is given to iconographical and formal analysis as well as to the social conditions in which artists lived and worked.

Arth 3211s. Early Modern Art: Symbolism to Surrealism. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

Survey of the major early modern movements from Symbolism through Cubism, Futurism, Expressionism, Constructivism, De Stijl, and the Bauhaus to Surrealism. Attention is given to theories of modern art as well as to formal and iconographical analyses and to the social conditions in which modern art was created and experienced.

Arth 3221f. 20th-Century Art: 1945 to the Present. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

An examination of selected artists and movements from the 1940s through the present. Equal emphasis is given to the art and the social context in which it was made and experienced, and to modernist and postmodernist aesthetic and critical thought.

Arth 3231f. History of Photography. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

Survey of European and American photography from the period of invention to the present. Major artists and movements are examined in the context of a variety of aesthetic, social, and technical issues.

Arth 3241f. African American Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

Survey of African American art from colonial times to the present, focusing on social context and aesthetic and biographical issues.

Arth 3251s. Pre-Columbian Arts of the Americas. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

The pre-colonial arts of the native peoples of Mexico, South America, and the southwestern United States from 1000 B.C.E. to the 16th century C.E.

Arth 3261s. Chinese Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

Survey of Chinese arts from the Neolithic times to the 20th century, presented in the context of Chinese culture.

Arth 3271s. The Art of Japan. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

A survey of the art of Japan beginning with the introduction of Buddhism in the 6th century followed by a concentration on the Momoyama and Tokugawa periods from the 16th through the 19th centuries, emphasizing the art of printmaking.

Arth 3281s. Women and Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

A historical survey of women's roles as creators and patrons of the visual arts in Western European and American societies, from antiquity to the present.

Arth 4000. Variable Topics in Art History. (FA; 2-4 cr; repeatable when topic changes; prereq 1101 or 1111 or 1121 or jr status)

An art history seminar. See Class Schedule for topics.

Arth 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq 1101 or 1111 or 1121 or jr status, #)

Content and nature of the course to be determined by faculty and student consultation. May include individual research and writing, working in relation to the Art Gallery program, or travel and study.

Arth 4994. Senior Honors Project. (1-5 cr; repeatable; prereq 1101 or 1111 or 1121 or jr status; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the seniors honors project is one of the requirements for graduating from UMM "with honors."

Art, Studio (Arts)

This discipline is in the Division of the Humanities. Studio art includes studies in the traditional areas of the visual arts as well as in contemporary concerns and techniques.

Students are introduced to the skills of critical analysis of works of art and to a variety of media and approaches to their use. In addition, the discipline supports cocurricular activities, including the UMM Student Art Club, student exhibitions, and guest speakers.

Objectives—The goal of the studio art curriculum is to introduce students to the technical, conceptual, and communication skills necessary for activities in the visual arts and to help students understand the major traditions and the place of the visual arts in our culture. Studio courses serve the needs of students planning to pursue graduate studies in art, students interested in exploring their own creative potential as part of their general education, and students preparing for secondary school teaching.

Major Requirements

ArtS 1101-1102—Basic Studio Drawing
ArtS 1103—Basic Studio 2-D Design
ArtS 1104—Basic Studio 3-D Design
ArtS 1105-1106—Basic Studio Discussion
ArtH 1101—Principles of Art
(it is recommended that the above courses be taken during the freshman year)
ArtS 2101—Second-Year Drawing
ArtS 2102—Second-Year Drawing
ArtS 3881—Junior Review
ArtS 4881—Senior Review
ArtS 4901—Senior Exhibit

A minimum of 12 credits in one of the following three major media and a minimum of 6 credits in another of the three major media:

Printmaking

ArtS 2201—Beginning Printmaking
ArtS 2202—Beginning Printmaking
ArtS 3200—Advanced Printmaking

Painting

ArtS 2301—Beginning Painting
ArtS 2302—Beginning Painting
ArtS 3300—Advanced Painting

Sculpture

ArtS 2401—Beginning Sculpture
ArtS 2402—Beginning Sculpture
ArtS 3400—Advanced Sculpture

a minimum of 6 credits of 2xxx level or above ArtS electives

a minimum of 8 additional credits in ArtH

Courses with grades of D may not be used to meet the major requirements. Required courses may not be taken S-N unless offered S-N only.

Minor Requirements

ArtS 1101-1102—Basic Studio Drawing
ArtS 1103—Basic Studio 2-D Design
ArtS 1104—Basic Studio 3-D Design
ArtS 1105-1106—Basic Studio Discussion

One 12-credit sequence in one major medium or two 6-credit sequences in two different media:

Printmaking

ArtS 2201—Beginning Printmaking
ArtS 2202—Beginning Printmaking
ArtS 3200—Advanced Printmaking

Painting

ArtS 2301—Beginning Painting
ArtS 2302—Beginning Painting
ArtS 3300—Advanced Painting

Sculpture

ArtS 2401—Beginning Sculpture
ArtS 2402—Beginning Sculpture
ArtS 3400—Advanced Sculpture
ArtS 2101-2102—Second-Year Drawing

or ArtH 1101—Principles of Art

Participation in ArtS 4901—Senior Exhibit is encouraged but not required

Courses with grades of D may not be used to meet the minor requirements. Required courses may not be taken S-N unless offered S-N only.

Teacher Preparation Requirements

Students seeking teaching licensure in visual arts K-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

ArtS 1050f. Beginning Ceramics. (ArtP; 3 cr; repeatable to 6 cr)

Personal expression through the medium of clay. Topics will include forming methods using stoneware and porcelain (hand building and wheel techniques), glazing, the nature of clay, glaze chemistry, firing, and kilns.

ArtS 1070f,s. First-Year Drawing. (ArtP; 3 cr; repeatable to 6 cr; open to nonmajors; should not be taken by students who have completed Basic Studio [see Second-Year Drawing])

For nonmajors with little or no previous experience in drawing. Exploration of line through contour and gesture, continuing with studies of value, texture, and space. Contemporary and traditional modes of drawing explored using a variety of materials.

ArtS 1101 through 1106. Basic Studio. (Appropriate for nonmajors; art majors should also take ArtH 1101)

Preparation for advanced work in studio art; four related parts must be taken concurrently and in sequence. Basic Studio Drawing: *basic exercises of drawing, use and exploration of materials and methods in line and form development, problems of spatial representation.* Basic Studio 2-D Design: *elements of two-dimensional design and color theory, introduction to painting and printmaking.* Basic Studio 3-D Design: *elements of three-dimensional design, introduction to sculpture.* Basic Studio Discussion: *theories, philosophy, history of visual arts, contemporary trends in art, selected readings.*

ArtS 1101f-1102s. Basic Studio Drawing. (ArtP; 2 cr per sem)

ArtS 1103f. Basic Studio 2-D Design. (ArtP; 2 cr)

ArtS 1104s. Basic Studio 3-D Design. (ArtP; 2 cr)

Division Structure and Course Descriptions

ArtS 1105f-1106s. Basic Studio Discussion. (ArtP; 1 cr per sem)

The four parts of Basic Studio must be taken concurrently.

ArtS 2000. Variable Topics in Digital Art. (ArtP; 1-4 cr; repeatable when topic changes; prereq 1101-1106 [10 cr] or #; offered when feasible)

Explore ideas and techniques related to digital media as an art form not covered by the regular curriculum.

ArtS 2050s. Advanced Ceramics. (ArtP; 3 cr; repeatable; prereq 1050 or #; offered when feasible)

For students who have a working knowledge of basic forming and glazing techniques. Emphasis on advanced hand building and wheel techniques, critiques, glaze experiments, and firing. Assigned projects for the course may vary from semester to semester.

ArtS 2101f. Second-Year Drawing. (ArtP; 3 cr; prereq 1101-1106 [10 cr] or 2 sem of 1070 or #)

Increases and improves students' knowledge and skill in drawing as a traditional art form and as a preparation for work in other media.

ArtS 2102s. Second-Year Drawing. (ArtP; 3 cr; prereq 2101 recommended)

Allows students to use drawing skills previously gained in a more individual way, integrates them with new ideas, and explores experimental drawing directions.

ArtS 2201f-2202s. Beginning Printmaking. (ArtP; 3 cr per sem; prereq 1101-1106 [10 cr] or # for 2201 for nonmajor jrs and srs)

Study of and practice in various methods of printmaking: application of drawing skills, color, composition, and personal expression to printmaking techniques.

ArtS 2301f, 2302s. Beginning Painting. (ArtP; 3 cr per sem; prereq 1101-1106 [10 cr], # for nonmajor jrs and srs)

The development of painting as a means of artistic expression including basic technical, material, and formal compositional problems.

ArtS 2401f-2402s. Beginning Sculpture. (ArtP; 3 cr per sem; prereq 1101-1106 [10 cr], # for 2401 for nonmajor jrs and srs)

Exploration of sculpture as a means of artistic expression, including an introduction to the planning and construction of three-dimensional forms using both traditional and contemporary techniques. A two-semester sequence provides experience with a variety of materials.

ArtS 2500. Photography. (ArtP; 3 cr; repeatable; prereq 1101-1106 [10 cr] or #; offered when feasible)

Introduction to photography as an art medium. Composition and artistic expression explored through basic photographic techniques. Must have a 35 mm camera.

ArtS 3000. Variable Topics in Studio Art. (ArtP; 1-4 cr; repeatable when topic changes; prereq 1101-1106 [10 cr] or #; offered when feasible)

Exploration of areas of particular interest or timeliness not covered by the regular curriculum.

ArtS 3100f. Third-Year Drawing. (ArtP; 3 cr; repeatable; prereq 2101-2102 recommended)

Continued development of the skills and understandings required by traditional problems of drawing.

ArtS 3110s. Third-Year Drawing. (ArtP; 3 cr; repeatable; prereq 2101-2102, 3100 recommended)

Emphasizes self-direction, experimental approaches and materials, and study of contemporary concepts.

ArtS 3200f,s. Advanced Printmaking. (ArtP; 3 cr; repeatable; prereq 2202)

Further exploration of printmaking techniques and skills as a means of artistic expression. Students may register for either semester; however, a year's continuous work is recommended.

ArtS 3300f,s. Advanced Painting. (ArtP; 3 cr; repeatable; prereq 2302 or #)

Further development of painting as a means of artistic expression. Students may register for either semester; however, a year's continuous work is recommended.

ArtS 3400f,s. Advanced Sculpture. (ArtP; 3 cr; repeatable; prereq 2402)

Further development of sculpture as a means of artistic expression. Students may register for either semester; however, a year's continuous work is recommended.

ArtS 3881s. Junior Review. (0 cr; prereq jr studio art major; S-N only)

Review by the studio art and art history faculty of the student's work to date. Time of review and work presented decided in consultation with the adviser and the instructor of the major studio area. Normally taken spring semester.

ArtS 4881f. Senior Review. (0 cr; prereq sr studio art major; S-N only)

Review by the studio art and art history faculty of the student's work, concentrating on the major media and including any work designated at the Junior Review. Time of review and work presented decided in consultation with the adviser and the instructor of the major studio area. Normally taken fall semester.

ArtS 4901s. Senior Exhibit. (0 cr; prereq sr studio art major or minor; S-N only)

Students consult with their adviser and the faculty member facilitating the exhibit for details.

ArtS 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

ArtS 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Continuing Education Courses

ArtS 1039. CE: Ceramics I. (ArtP; 3 cr; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement)

Exploration in personal expression through the medium of clay. Emphasis will be on handbuilding and throwing techniques using stoneware and porcelain. Other topics include clay types and their origin, decorating with slips and glazes, basic firing principles, and the role of the potter in society.

ArtS 1040. CE: Ceramics II. (ArtP; 3 cr; prereq 1039 or 1050; repeatable with #; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement)

Ceramics II is intended for any student who has taken either Ceramics I or has a working knowledge of basic forming and glazing techniques. Students will be expected to work toward higher standards of both technique and design. Assigned topics for this course may vary from semester to semester.

ArtS 1500. CE: Beginning Photography. (ArtP; 3 cr; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement) This course is intended for the general student with little or no previous experience in artistic expression. It is an introduction to black and white photography as an art form including processes, materials, brief history, and critical skills to evaluate photographs. Students must provide their own 35 mm cameras.

Biology (Biol)

This discipline is in the Division of Science and Mathematics.

Objectives—The biology curriculum is designed to provide students with biological knowledge and to develop scientific skills as part of their liberal arts education. It prepares students for graduate or professional programs and for careers such as secondary biology education, government service, or private sector employment. Included in those skills are the abilities to conduct and interpret scientific research and to successfully communicate scientific information both verbally and in writing. The faculty believe these objectives can best be attained through a balanced core curriculum in biology and a diverse array of elective coursework, both of which include active lab and field experiences.

Major Requirements

Biol 1101—Freshman Seminar in Biological Principles
Biol 2101—Evolution of Biodiversity
Biol 2111—Cell Biology
Biol 3101—Genetics
Biol 3121—Molecular Biology
Biol 3131—Ecology
Biol 3701—Biological Communications
Biol 4901—Senior Seminar
Chem 1101—General Chemistry I
Chem 1102—General Chemistry II
or Chem—1102H Honors: General Chemistry II
Chem 2301—Organic Chemistry I
Chem 2302—Organic Chemistry II
Chem 2311—Organic Chemistry Lab I
Math 1021—Survey of Calculus
or Math 1101—Calculus I
Stat 1601—Introduction to Statistics
or Stat 2601—Statistical Methods

at least 12 additional credits from:

Biol numbered 4000-4500
or at least 8 credits from Biol numbered 4000-4500 plus one course from:
Psy 3211—Biological Psychology
or Psy 3201—Comparative Psychology
or Geol 3111—Introduction to Invertebrate Paleontology

Required courses may not be taken S-N unless offered S-N only. Up to 5 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B in the major.

Biology majors are advised to complete their chemistry and mathematics requirements as early as possible. All majors should have their programs approved by a biology adviser by the beginning of their junior year.

The *speaking component* is met in the biology major via the following course:

Biol 4901—Senior Seminar

The *writing component of the general education requirements* is met in the biology major via the following course, which requires writing assignments and/or term papers:

Biol 3701—Biological Communication

The *computing component of the general education requirements* is met in the biology major via the following courses, which utilize computer software in class and in processing data from experiments or field projects:

Biol 2111—Cell Biology

Biol 4311—Conservation Genetics

Minor Requirements

Biol 1101—Freshman Seminar in Biological Principles

Biol 2101—Evolution of Biodiversity

Biol 2111—Cell Biology

Two additional Biol courses numbered 3000-4500 or one additional Biol course numbered 3000-4500 plus either:

Psy 3211—Biological Psychology

or Psy 3201—Comparative Psychology

or Geol 3111—Introduction to Invertebrate Paleontology

Courses required for the minor may not be taken S-N. Up to 5 credits of coursework with a grade of D may be used to meet the minor requirements if offset by an equivalent number of credits of A or B in the major.

Teacher Preparation Requirements

Students seeking teaching licensure in life science 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Biol 1000. Variable Topics In Biological Thought. (See specific topics for general education categories; 1-5 cr; repeatable when topic changes; no elective cr for Biol majors or minors; offered when feasible) Introduction to scientific method, illustrated by study of both classical and modern literature in biology. Some of the properties of and challenges to organisms, with illustrations chosen from general or specific topics announced in advance. (lect and/or lab)

Division Structure and Course Descriptions

Biol 1051f. Wildlife Biology. (Sci-L; 4 cr; no elective cr for biol majors or minors; offered even-numbered yrs) Biological principles and practices illustrated through studies of North American wildlife. Wildlife taxonomy, identification, migration and dispersal, ecological relationships, contemporary problems associated with human activities. (two 65-min lect, one 120- or 180-min lab or field study)

Biol 1052f.s. Conservation Biology. (Sci-L; 4 cr; no elective cr for biol majors or minors; offered when feasible) Survey of topics in conservation biology, with emphasis on topics that have created controversy and debate: loss of biodiversity, endangered species preservation and management, habitat conservation, environmental degradation, and sustainable development. (two 65-min lect, one 120- or 180-min lab or field study)

Biol 1101f.s. Freshman Seminar in Biological Principles. (Sci; 3 cr; prereq biol major/minor or #) Basic principles of biology, including cellular structure, organismal function, inheritance, and evolution. Emphasizes scientific methods and the biological literature. Includes small group discussions. First course of the biology major sequence. (two 65-min lect and discussion)

Biol 2101s. Evolution of Biodiversity. (Sci-L; 4 cr; prereq 1101 or #) Analysis of evolutionary trends using historical and contemporary evidence. Principles of classification and phylogenetic reconstruction. Includes laboratory survey of the major groups of organisms. (two 65-min lect, one 120-min lab)

Biol 2102f. Human Anatomy. (3 cr; prereq soph) Same as WSS 2102. Structure of human systems at their organ and cellular levels. (one 100-min lect, one 120-min lab)

Biol 2111f. Cell Biology. (Sci-L; 4 cr; prereq 1101, ¶Chem 1102 or ¶Chem 1112) Cell structure and function. Includes topics pertaining to the chemistry, physiology, structure, and reproduction of plant and animal cells. (two 65-min lect and one 120-min lab)

Biol 3101s. Genetics. (Sci-L; 4 cr; prereq 1101, 2111) Principles and mechanisms of inheritance and variation, including cytological, organismal, and population genetics; mechanisms of evolution; and the genetic problems of humans. (two 65-min lect, one 120-min lab)

Biol 3121s. Molecular Biology. (Sci-L; 5 cr; 3500 recommended; prereq 1101, 2111, ¶3101, Chem 2301) Principles and mechanisms of DNA function, protein synthesis, and gene regulation in prokaryotes and eukaryotes. Genetic engineering and evolution at the molecular level. (two 100-min lect, 180-min lab)

Biol 3131f. Ecology. (Sci-L; 4 cr; 3200 recommended; prereq 1101, 2101) Basic principles and models of population biology, community structure and function, and ecosystem dynamics. Lab exercises emphasize fieldwork, techniques for characterizing local plant and animal communities, and experimental investigation of topics such as competition and behavioral ecology. (two 65-min lect, one 180-min lab and field study; weekend field trip required)

Biol 3701f.s. Biological Communications. (1 cr; prereq 2101, 2111, #) Preparation of an extensive literature review paper on a biological topic of the student's choice.

Biol 4000. Variable Topics in Advanced Biology. (See specific topics for general education categories; 1-5 cr; repeatable when topic changes; prereq depends on topic; offered when feasible) Treatment of advanced topics in biology not included in the regular curriculum. (lect, lect/lab, or lab only depending on topic)

Biol 4102s. Human Physiology. (Sci; 4 cr; prereq 1101, 2111, Chem 1102 or Chem 1112; offered even-numbered yrs) Function of human systems at their organ, cellular, and molecular levels. (three 65-min lect)

Biol 4111s. Microbiology. (Sci-L; 4 cr; 3200, 3500 recommended; prereq 2111 or #; offered odd-numbered yrs) Lectures, discussions, and lab experiments on the morphology, physiology, genetics, taxonomy, and ecology of microorganisms, with an emphasis on prokaryotic microbes and viruses. (three 50-min lect, one 180-min lab)

Biol 4121s. Herpetology. (Sci-L; 4 cr; prereq 2101; offered odd-numbered yrs) Survey of amphibians and reptiles, including their evolution, systematics, identification, behavior, ecological relationships, and contemporary problems associated with human activities. (two 65-min lect, one 180-min lab and field studies)

Biol 4131f. Vertebrate Natural History. (Sci-L; 4 cr; prereq 2101; offered odd-numbered yrs) Survey of vertebrates, including their evolution, systematics, and ecological relationships. (two 65-min lect, one 180-min lab or field study)

Biol 4141f. Comparative Invertebrate Zoology. (Sci-L; 4 cr; prereq 2101 or #; offered when feasible) Comparative study of the structure, function, natural history, development, and evolution of invertebrate animals. (two 65-min lect, 180-min lab)

Biol 4151f. Entomology. (Sci-L; 4 cr; prereq 2101 or #; offered odd-numbered yrs) Structure, life histories, habits, and classification of common families of insects, including their economic significance. (two 65-min lect, 180-min lab; weekend field trip required)

Biol 4161. Evolution. (Sci; 4 cr; offered when feasible) Survey of the history, evidence, and mechanisms of organic evolution. (three 65-min lect)

Biol 4171s. Plant Systematics and Evolution. (Sci-L; 4 cr; 3200 recommended; prereq 2101; offered even-numbered yrs) Introduction to the identification and phylogenetics of land plants. Survey of the major trends in plant evolution, including morphological and life history variation among major plant taxa. Use of keys for local flora emphasized. (two 65-min lect, one 180-min lab and field study)

Biol 4181f. Developmental Biology. (Sci-L; 4 cr; prereq 2111, 3101 recommended; offered even-numbered yrs) Survey of general concepts in developmental biology, emphasizing molecular mechanisms of positional information, pattern formation, and cellular interactions. Stresses comparative aspects of developmental processes, and the role of development in evolution. (two 65-min lectures, one 180-min lab)

Biol 4191f. Freshwater Biology. (Sci-L; 4 cr; prereq 2101, 2111 or #; offered even-numbered yrs)

Structure, function, and biota of freshwater ecosystems, including lakes, streams and wetlands. Lab emphasizes independent research and field study in local habitats. (two 65-min lect, one 180-min lab; weekend field trip required)

Biol 4211f. Biochemistry. (Sci; 4 cr; prereq 1101, 2111, Chem 2302 or #)

Structures, functions, and biochemical transformations of proteins, carbohydrates, nucleic acids, and lipids. (three 65-min lect)

Biol 4301. Plant Biology. (Sci-L; 4 cr; prereq 2101, 2111 or #; offered when feasible)

Descriptive and experimental study of plants. Anatomy, development, physiology, secondary compounds, evolution, human uses of plants. (two 65-min lect, one 180-min lab)

Biol 4311f. Conservation Genetics. (Sci-L; 4 cr; Math 1150 or Math 3605 recommended; prereq 3101; offered even-numbered yrs)

Introduction to theory of population differentiation and gene flow; applications to managing and recovering rare species. Adaptive and neutral models, linkage disequilibrium, effective population size, inbreeding depression, population genetic structure. Labs use computers to model genetic changes in populations and analyze genetic structure. (two 100-min lect, one 120-min lab)

Biol 4321s. Animal Physiology. (Sci-L; 4 cr; prereq 2111; offered odd-numbered yrs)

Functions of animal structures as they relate to coping with different environmental situations. (two 65-min lect, one 120-min lab)

Biol 4600. Practicum in Biology. (1-2 cr; repeatable to 4 cr; prereq D; no elective cr for biol majors or minors; S-N only)

Supervised experience of selected activities; lab preparation/management, greenhouse care/management, animal care, curating museum/herbarium collections. Repeatable with different projects or activities.

Biol 4611f. Biochemistry Lab. (1 cr; prereq 4211 or ¶4211)

Experiments using the major separation and analytical techniques of biochemistry, including centrifugation, chromatography, electrophoresis, and spectrophotometry.

Biol 4901f. Senior Seminar. (1 cr; required of all sr biology majors; prereq sr or #; full year course, students register and start attending in fall for whole year)

Seminar on selected biological topics.

Biol 4993f,s. Directed Study. (1-5 cr; repeatable; prereq D)

Biol 4994. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Chemistry (Chem)

This discipline is in the Division of Science and Mathematics. Coursework in chemistry spans the four traditional areas of analytical, inorganic, organic, and physical chemistry. Ancillary areas such as biochemistry and geochemistry are available through interdisciplinary coursework with the biology and geology disciplines. Although majors concentrate primarily on chemistry, they must also do work in beginning physics and calculus. The beginning chemistry courses satisfy the physical sciences component of the general education requirements.

Chemistry majors, particularly in upper division courses, do hands-on work with chemical instrumentation and use computers in both software and hardware applications. The faculty prides itself on working closely with its students on undergraduate research projects, directed studies, and undergraduate teaching assistantships. In addition, chemistry majors are encouraged to complete summer research internships at university and industrial labs or at other research facilities, both locally and nationally.

Study in chemistry is the prerequisite for many preprofessional programs at UMM. Students who also do work in the Division of Education can obtain licensure in secondary education. About two-thirds of UMM's chemistry majors pursue postgraduate work toward a doctoral degree—most of them in chemistry, many in medicine, but also in other health-related fields, such as veterinary medicine and dentistry, in biological fields related to chemistry, and in a variety of other fields. The other third directly enter the job market upon graduation, primarily in the chemical industry or in secondary education.

Objectives—The chemistry curriculum focuses on the structure of matter and the conditions required for material change. It is designed to prepare students for graduate study in chemistry or related fields or for a career in the chemical industry or in secondary teaching.

Major Requirements

Chem 1101—General Chemistry I
Chem 1102—General Chemistry II
or Chem 1102H—Honors: General Chemistry II
Chem 2301—Organic Chemistry I
Chem 2302—Organic Chemistry II
Chem 2311—Organic Chemistry Lab I
Chem 2321—Introduction to Research
Chem 3101—Analytical Chemistry

Division Structure and Course Descriptions

Chem 3501—Physical Chemistry I
Chem 3502—Physical Chemistry II
Chem 3511—Physical Chemistry Lab
Chem 4901—Chemistry Seminar I
Chem 4902—Chemistry Seminar II

two courses from:

Chem 3111—Instrumental Analysis
Chem 3701—Inorganic Chemistry
Chem 3801—History of Chemistry
Chem 3811—Macromolecules
or another course numbered 43xx-47xx

in addition, the chemistry major requires:

Math 1101—Calculus I
Math 1102—Calculus II
Phys 1101—General Physics I
Phys 1102—General Physics II

Required courses may not be taken S-N unless offered S-N only. Up to 8 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B.

Students should consult members of the chemistry faculty in order to plan programs of study appropriate to their interests and postgraduate goals.

Students interested in biochemistry can design an area of concentration in consultation with the chemistry faculty. It is suggested that coursework include:

Chem 1101—General Chemistry I
Chem 1102—General Chemistry II (or honors section)
Biol 1101—Freshman Seminar in Biological Principles
Biol 2111—Cell Biology
Chem 2301—Organic Chemistry I
Chem 2311—Organic Chemistry I Lab
Chem 2302—Organic Chemistry II
Chem 2321—Introduction to Research
Biol 3101—Genetics (with lab)
Biol 3121—Molecular Biology (with lab)
Biol 4211—Biochemistry
Biol 4611—Biochemistry Lab
Chem 3101—Analytical Chemistry
Chem 3501—Physical Chemistry I
Chem 4351—Bioorganic Chemistry

In addition, supporting coursework in physics and calculus is required.

Additional electives in chemistry and biology are also required. Supporting courses must be approved by the chemistry faculty.

Minor Requirements

Chem 1101—General Chemistry I
Chem 1102—General Chemistry II
or Chem 1102H—Honors: General Chemistry II
Three additional Chem lecture courses numbered 2301 or above, two of which must include lab or have a concurrent lab registration

Required courses may not be taken S-N except where noted. Up to 8 credits of coursework with a grade of D may be used to meet the minor requirements if offset by an equivalent number of credits of A or B.

Teacher Preparation Requirements

Students seeking teaching licensure in chemistry 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Chem 1101f. General Chemistry I. (Sci-L; 4 cr; prereq Math 0901 or placement beyond Math 0901 using ACT/ placement exam score)
Scientific method, measurements, nomenclature, stoichiometry, atomic and molecular structure, chemical periodicity, and properties of common elements and ions. Development of scientific reasoning and problem-solving skills. Lab exercise concomitant with these topics. (3 hrs lect, 3 hrs lab)

Chem 1102s. General Chemistry II. (Sci-L; 4 cr; prereq 1101)
Continuation of Chem 1101. Chemical bonding, states of matter, solutions, acid-base chemistry, chemical equilibrium, oxidation-reduction reactions, kinetics, thermodynamics, quantum theory, nuclear chemistry, organic chemistry, and biochemistry. (3 hrs lect and rec, 3 hrs lab)

Chem 1102Hs. Honors: General Chemistry II. (Sci-L; 4 cr; prereq 1101, # for students not in Honors Program)
Continuation of Chem 1101. Kinetics, equilibrium, acid-base chemistry, solubility, coordination equilibria, thermodynamics, and electrochemistry. Overview of s- and p-block elements and transition metal chemistry. Lab exercises include qualitative analysis and inorganic synthesis and related analyses. (3 hrs lect and rec, 3 hrs lab)

Chem 2301f. Organic Chemistry I. (Sci; 4 cr; prereq 1102 or 1102H)
Introduction to the structure and reactivity of organic molecules; nomenclature and functional groups; stereochemistry; mechanisms of substitution and elimination pathways; physical organic chemistry; introduction to synthetic strategy; fundamentals of spectroscopic techniques. (4 hrs lect)

Chem 2302s. Organic Chemistry II. (Sci; 3 cr; prereq 2301)
Continuation of topics from Chem 2301; spectroscopy; chemistry of polyenes, aromatic systems, and amines; enol and enolate chemistry; free-radical chemistry; retrosynthetic analysis; special topics. (3 hrs lect)

Chem 2311f. Organic Chemistry Lab I. (1 cr; prereq 12301)
Development of lab techniques in organic chemistry; experimental problem solving. (3 hrs lab)

Chem 2312s. Organic Chemistry Lab II. (1 cr; prereq 2311)
Experiments in organic chemistry; synthesis and experimental design; spectral analysis. (3 hrs lab)

Chem 2321s. Introduction to Research. (Sci-L; 2 cr; prereq ¶2302)
Interdisciplinary approach to experiment design and analysis of data. Synthesis of organic, organometallic, and/or inorganic compounds, with emphasis on purification and characterization using instrumental methods. Instruction in use of the scientific literature and scientific report writing. (6 hrs lab)

Chem 3101f. Analytical Chemistry. (Sci-L; 4 cr; prereq 1102 or 1102H)
The application of chemical equilibria to chemical analysis with emphasis on the fundamental quantitative aspects of analytical chemistry. Acid-base, oxidation-reduction, and complexometric titrations, introduction to electrochemical and spectrophotometric analyses. (3 hrs lect, 3 hrs lab)

Chem 3111. Instrumental Analysis. (Sci-L; 4 cr; prereq 3101)
Principles of chemical instrumentation and instrumental methods of analysis; extensive lab work using chromatographic, spectrophotometric, and electrochemical methods of analysis.

Chem 3501f. Physical Chemistry I. (Sci; 4 cr; prereq 1102 or 1102H, Phys 1101, Math 1102 or #)
The gas state. Classical thermodynamics. Phase, chemical, and heterogeneous equilibria. Chemical kinetics. Kinetic theory of gases. Transport. (4 hrs lect)

Chem 3502s. Physical Chemistry II. (Sci; 4 cr; prereq 3501)
Introduction to quantum theory. Atomic and molecular structure. Group theory. Introduction to statistical mechanics. Chemical dynamics. Topics drawn from the liquid and solid states, advanced kinetics, electrochemistry, and surfaces. (4 hrs lect)

Chem 3511s. Physical Chemistry Lab. (1 cr; prereq ¶3502)
Lab experiments to illustrate physico-chemical principles and to develop skills in data collection, analysis, and interpretation and in report writing. (3 hrs lab)

Chem 3701. Inorganic Chemistry. (Sci; 4 cr; prereq 3501)
The periodic table; models of structure and bonding of main group elements and transition metals, nomenclature, symmetry, and bonding theory of coordination compounds. (4 hrs lect)

Chem 3801f. History of Chemistry. (Sci; 4 cr; prereq 2301 or #)
Theories of atoms, elements, principles. Alchemy. Pneumatic chemistry. Phlogiston. Lavoisier and chemical revolution. Dalton and atomic weight scales. Physical and chemical atoms. Cannizzaro and Karlsruhe Congress. Einstein, Perrin, and reality of atoms. Niels Bohr and periodic table. (4 hrs lect)

Chem 3811. Macromolecules. (Sci; 4 cr; prereq 2302, 3501 or #)
The molecular structure and bulk properties of macromolecules. Viscoelasticity. Molar masses of polymers. Polymer synthesis. Kinetics and mechanism. Macromolecular conformations. (4 hrs lect)

Chem 4351s. Bioorganic Chemistry. (Sci; 4 cr; prereq 2302, Biol 3111)
The organic chemistry of biological systems. Includes the chemistry of amino acids, polypeptides, polynucleotides, phosphate groups, and coenzymes, as well as the study of enzymatic catalysis and the elucidation of biosynthetic pathways. (4 hrs lect)

Chem 4352f. Synthesis. (Sci; 4 cr; prereq 2302)
Study of the preparation of biologically active molecules, emphasizing the application of transition metal chemistry to modern synthetic methods. (4 hrs lect)

Chem 4551f. Theoretical Chemistry. (Sci; 4 cr; prereq 3502 or #; not offered 2002-03)
Quantum theory of molecules. Statistical thermodynamics; Gibbsian ensembles; applications. (4 hrs lect)

Chem 4552s. Molecular Spectroscopy. (Sci; 4 cr; prereq 2311, 3101 or #)
Interaction of molecules and electromagnetic radiation. Spectroscopic determination of molecular structure. Operation of spectrometers and spectrophotometers. (4 hrs lect)

Chem 4751. Advanced Inorganic Chemistry. (Sci; 4 cr; prereq 3701 or #)
Structure and reactions of coordination compounds, inorganic cages and clusters, lanthanide and actinide series. (4 hrs lect)

Chem 4894. Research. (1-5 cr; repeatable; prereq #)

Chem 4901f. Chemistry Seminar I. (0 cr; required of all chem majors; may not count toward chem minor; prereq 2321; S-N only)
Presentations by faculty, guest speakers, and students on topics of current research interest. Students are required to present one seminar for the Chem 4901-4902 sequence.

Chem 4902s. Chemistry Seminar II. (1 cr; required of all chem majors; may not count toward chem minor; prereq 4901; S-N only)
Continuation of Chemistry Seminar I.

Chem 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Chem 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)
A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Computer Science (CSci)

This discipline is in the Division of Science and Mathematics.

Objectives—The computer science curriculum is designed to provide students with a strong foundation in the diverse and rapidly changing field of computing. The science of computing is emphasized with a focus on fundamental principles and the formal underpinnings of the field. Students are encouraged to use and supplement their formal education through a variety of research opportunities, participation in discipline colloquia and student/professional organizations, and pursuit of internship experiences or international studies opportunities. Students who successfully complete the major are qualified to enter the computing field as professionals or to pursue graduate studies.

Division Structure and Course Descriptions

Major Requirements

CSci 1301-1302—Problem Solving and Algorithm Development I-II

CSci 2101—Data Structures

CSci 3401—Models of Computing Systems

CSci 3501—Algorithms and Computability

CSci 3601—Software Design and Development

CSci 3902—Seminar I

CSci 3903—Seminar II or equivalent experience approved by the discipline.

14 credits of electives. Elective credits must meet a distribution requirement of at least 4 credits in each area. For current and recent topic offerings see <www.mrs.umn.edu/academic/csci>.

In addition, majors must complete 12 credits of appropriate Math or Stat courses numbered 1101 and above (not to include Stat 1601 or Math 2211)

majors also must complete at least 8 credits from biology, chemistry, geology, or physics

Up to 8 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B.

Minor Requirements

CSci 1301-1302—Problem Solving and Algorithm Development I-II

CSci 2101—Data Structures

Two courses chosen from:

CSci 3401—Models of Computing Systems

CSci 3501—Algorithms and Computability

CSci 3601—Software Design and Development

In addition, students minoring in computer science must complete at least 4 credits of Math or Stat courses numbered 1020 and above (not to include Math 2211)

Up to 8 credits of coursework with a grade of D may be used to meet the minor requirements if offset by an equivalent number of credits of A or B.

Course Descriptions

CSci 1001. Introduction to Computer Science. (M/SR; 2 cr)
Basic hardware and software concepts, elementary data representation, problem solving techniques, algorithm development, and current information processing and network applications.

CSci 1211. Introduction to Problem Solving with Java. (M/SR; 4 cr; prereq Math 1101)

Problem solving and algorithm design using object-oriented programming techniques. Introduction to the Java programming language and its use in implementing algorithms to solve scientific problems. Testing and debugging of software with emphasis on the complexity of modern software systems.

CSci 1301. Problem Solving and Algorithm Development I. (M/SR; 4 cr)

Introduction to different problem solving approaches and major programming paradigms. Study of the functional

programming paradigm, concentrating on recursion and inductively-defined data structures. Simple searching and sorting algorithms.

CSci 1302. Problem Solving and Algorithm Development II. (M/SR; 4 cr; prereq 1301)

Basic proof techniques, including logic, set theory, induction and variants, program correctness proofs, and simple Big-Oh analysis of algorithms. Further study of functional programming and an introduction to object-oriented programming.

CSci 2101. Data Structures. (M/SR; 4 cr; prereq 1302)

Introduction to data types, including: stacks, queues, trees, and graphs; implementation of abstract data types, using object-oriented techniques and reusable libraries.

CSci 3401s. Models of Computing Systems. (M/SR; 4 cr; prereq 2101)

Basics of computing systems, models of networks and operating systems, and issues such as deadlock, scheduling, protection and security, data management, intercomputer communication, the OSI model, and the three lower layers and their instantiation in TCP/IP.

CSci 3501f. Algorithms and Computability. (M/SR; 4 cr; prereq 2101)

Models of computation (Turing machines, lambda calculus, deterministic and non-deterministic machines); approaches to the design of algorithms, determining correctness and efficiency of algorithms; complexity classes, NP-completeness, approximation algorithms.

CSci 3601. Software Design and Development. (M/SR; 4 cr; prereq 2101)

Design and implementation of medium- and large-scale software systems. Principles of organizing and managing such designs and implementations throughout their lifetime. Designing for modularity and software reuse; use of libraries. Dynamics of working in groups. Group lab work on a substantial software project. (3 hrs lect, 3 hrs lab)

CSci 3902. Seminar I. (1 cr; prereq 2101, concurrent registration for 3903 recommended; S-N only)

Familiarizes students with literature in the field, focusing on ethical issues in computing. Discussion and group work. Students analyze various articles or similarly published works, synthesize their contents, make formal presentations, and attend and evaluate the presentations of their peers.

CSci 3903. Seminar II. (1 cr; prereq 3902, concurrent registration for 3902 recommended; S-N only)

In-depth survey of literature in a specific computer-related field of the student's choice. Students analyze various articles or similarly published works, synthesize their contents, and present their work formally in a conference setting. Multiple writing and speaking experiences reviewed by faculty and classmates.

CSci 4400. Variable Topics in Computing Systems. (M/SR; 2 cr; repeatable when topic changes; prereq 3401, 13903 or #; offered when feasible)

Current developments in computer networks, operating systems, system programming, computer architecture, parallel and distributed architectures, databases, artificial intelligence, graphics, approximation algorithms, artificial life, computer music, etc.

CSci 4450. Variable Topics in Computing Systems. (M/SR; 4 cr; repeatable when topic changes; prereq 3401; offered when feasible)

Topics in computing systems, such as computer networks, operating systems, system programming, computer architecture, parallel and distributed architectures, databases, artificial intelligence, graphics, approximation algorithms, artificial life, computer music.

CSci 4500. Variable Topics in Theory. (M/SR; 2 cr; repeatable when topic changes; prereq 3501, ¶3903 or #; offered when feasible)

Current developments in analysis of algorithms, theory of computation, distributed algorithms, parallel algorithms, approximation algorithms, graph theory, computational geometry, NP-completeness, etc.

CSci 4550. Variable Topics in Theory. (M/SR; 4 cr; repeatable when topic changes; prereq 3501; offered when feasible)

Topics in theory, such as analysis of algorithms, theory of computation, distributed algorithms, parallel algorithms, approximation algorithms, graph theory, computational geometry, and NP-completeness.

CSci 4600. Variable Topics in Programming and Languages. (M/SR; 2 cr; repeatable when topic changes; prereq 3601, ¶3903 or #; offered when feasible)

Current developments in software engineering, requirements analysis, specification, software architectures, formal methods, program derivation, testing, parallel and distributed languages, parsing, optimization techniques, compiling, etc.

CSci 4650. Variable Topics in Programming and Languages. (M/SR; 4 cr; repeatable when topic changes; prereq 3601; offered when feasible)

Topics in programming languages and program translation, such as software engineering, requirements analysis, specification, software architectures, formal methods, program derivation, testing, parallel and distributed languages, parsing, optimization techniques, and compiling.

CSci 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

CSci 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Economics (Econ)

This discipline is in the Division of the Social Sciences.

Objectives—The economics curriculum is designed to ensure that students:

- understand the nature and functioning of the market system
- are able to define criteria for assessing efficiency in the provision of goods and services
- investigate and assess the operation of economic institutions
- are able to evaluate alternative policies intended to enhance economic outcomes

- develop competence in quantitative methods and computing methods
- are able to conceptualize and analyze problems using the tools of economic theory, and communicate the results
- are competent in oral and written communication
- are adequately prepared for graduate or professional school.

Major Requirements

Econ 1111—Principles of Microeconomics
Econ 1112—Principles of Macroeconomics
Econ 3201—Microeconomic Theory
Econ 3202—Macroeconomic Theory
Econ 3501—Introduction to Econometrics
Econ 4900—Variable Topics in Economic Research
Math 1101—Calculus I
Stat 1601—Introduction to Statistics
or Stat 2601—Statistical Methods
14 additional credits in Econ courses at the 3xxx level and above

No more than 4 credits from each of the following can be applied to the major.

Econ x993—Directed Study
Econ 490x—Variable Topics in Economic Research

Grades of D in Econ 1111-1112, Math 1101, and Stat 1601 may not be used to meet major requirements. Up to 4 credits of other economics coursework with a grade of D may be used to meet major requirements if offset by an equivalent number of credits of A or B. Required courses may not be taken S-N unless offered S-N only.

Students should complete the following during their first two years:

Econ 1111—Principles of Microeconomics
Econ 1112—Principles of Macroeconomics
Math 1101—Calculus I
Stat 1601—Introduction to Statistics
or Stat 2601—Statistical Methods

Students should complete the following before their senior year:

Econ 3201—Microeconomic Theory
Econ 3202—Macroeconomic Theory
Econ 3501—Introduction to Econometrics

Minor Requirements

Econ 1111—Principles of Microeconomics
Econ 1112—Principles of Macroeconomics
Econ 3201—Microeconomic Theory
Econ 3202—Macroeconomic Theory
Math 1101—Calculus I
Stat 1601—Introduction to Statistics
6 additional credits in Econ courses at the 3xxx level or above

Division Structure and Course Descriptions

No more than 4 credits from each of the following can be applied to the minor.

Econ x993—Directed Study

Econ 490x—Variable Topics in Economic Research
Grades of D in Econ 1111-1112, Math 1101, and Stat 1601 may not be used to meet minor requirements. Required courses may not be taken S-N unless offered S-N only.

Teacher Preparation Requirements

Students seeking teaching licensure in social studies 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Econ 1111f,s. Principles of Microeconomics. (SS; 4 cr; prereq high school algebra or #)

Study of scarce resource allocation in a market economy. Supply and demand, consumer theory, theory of the firm, market structure, pricing of factors of production, income distribution and the role of government.

Econ 1112f,s. Principles of Macroeconomics. (SS; 4 cr; prereq high school algebra or #)

Introduction to basic economic problems, concepts, and theoretical models. Measurement of economic performance; national income, inflation and unemployment; competing macroeconomic theories and stabilizing policies.

Econ 1951f,s. Seminar for Social Science Majors. (1 cr; prereq 1111, 1112; no cr for students who are concurrently enrolled in or have received cr for 3xxx Econ courses; S-N only)

Familiarization with various journals, periodicals, and sources of statistical information that deal with current developments in economics.

Econ 3000. Variable Topics in Economics. (See specific topics for general education categories; 2-4 cr; repeatable when topic changes; prereq 1111, 1112 or #; offered when feasible)

Topic to be announced.

Econ 3002. Urban and Regional Economics II. (SS; 2 cr; prereq 1101 or #)

Study of economic issues that arise in a metropolitan setting. Includes the economics of crime, transportation, urban sprawl, pollution, city government, and education.

Econ 3113f. Money, Banking and Financial Markets. (SS; 4 cr; prereq 1111, 1112 or #)

Nature and function of money; role of commercial banks and other financial institutions; structure and function of Federal Reserve system; monetary policies for stabilization and growth; and a survey and synthesis of major theories on the value of money.

Econ 3121s. Public Economics I. (SS; 2 cr; prereq 1111, 1112 or #; not offered 2001-02)

Analysis of the economics of public expenditures.

Econ 3122s. Public Economics II. (SS; 2 cr; prereq 1111, 1112 or #; not offered 2001-02)

Analysis of the economics of taxation.

Econ 3131s. Comparative Economic Systems. (IP; 2 cr; prereq 1111, 1112 or #; not offered 2002-03)

Comparison of the theory and functioning of the major economic systems of the world; economic reform in capitalist and socialist economies.

Econ 3131Hs. Honors: Comparative Economic Systems. (IP; 2 cr; prereq 1111, 1112 or #, # for students not in Honors Program; not offered 2002-2003)

Same as Econ 3131. Comparison of the theory and functioning of the major economic systems of the world; economic reform in capitalist and socialist economies.

Econ 3141f. Economic Development and Growth I. (IP; 2 cr; prereq 1111, 1112 or #)

Nature and meaning of economic development. Theories of economic growth and the historical experience of now developed countries. General development problems facing developing countries.

Econ 3142f. Economic Development and Growth II. (IP; 2 cr; prereq 3141 or #)

Current development problems and policies in developing countries; the possibilities and prospects for future development. Case studies examining the development progress of these countries.

Econ 3151s. Urban and Regional Economics I. (SS; 2 cr; prereq 1111, 1112)

Explores the economic conditions required for the development of towns and cities. Topics include inter-city trade, land use, impact of transportation costs, and growth/decline of small towns and metropolitan cities.

Econ 3152s. Urban and Regional Economics II. (SS; 2 cr; prereq 1111, 1112)

Explores the economic challenges faced by growing metropolitan areas. Topics include the economics of crime, poverty, education, intra-city transportation, and city governance.

Econ 3201f. Microeconomic Theory. (SS; 4 cr; prereq 1111, Math 1101 or #)

Analytical approach to decision making by individual economic units in the output and input markets, under perfect and imperfect market conditions. Externalities and role of government.

Econ 3202s. Macroeconomic Theory. (SS; 4 cr; prereq 1112, Math 1101 or #)

The theory of national income determination; inflation, unemployment, and economic growth in alternative models of the national economy.

Econ 3211f. History of Economic Thought I. (Hist; 2 cr; prereq 3201 or 3202)

The origin and development of economic thought from Mercantilism through the classical school. Among others, Adam Smith and Karl Marx are featured. Nature of economics as a social science through the study of its historical development.

Econ 3212f. History of Economic Thought II. (Hist; 2 cr; prereq 3211 or #)

The development of economic thought from Marx and the end of the classical school, through the development of more modern approaches. In addition to the demise of classical thought, a selection from the thinkers who contributed to the foundations of modern microeconomics and/or macroeconomics is covered. Nature of economics as a social science, through the study of its historical development.

Econ 3501s. Introduction to Econometrics. (M/SR; 4 cr; prereq 3201 or 3202, Stat 1601)

Designing empirical models in economics. Simple and multiple regression analysis. Violations of classical assumptions in regression analysis. Logit and probit models; simultaneous equation models and lag models. Emphasis on application techniques to economic issues.

Econ 4101f. Labor Economics I. (HDiv; 2 cr; prereq 3201 or #)

Wage and employment determination. Distribution of earnings and earnings inequality by race and sex. Labor supply applications.

Econ 4102f. Labor Economics II. (SS; 2 cr; prereq 3201 or #)

Functioning and performance of the labor market. Heterodox explanations of labor market behavior. Labor demand applications.

Econ 4111. Mathematical Economics I. (M/SR; 2 cr; prereq 3201, 3202 or #; offered when feasible)

Application of mathematical methods to economic analysis. Mathematical formulations and solution of optimizing models pertaining to households and firms and of adjustments to disturbances.

Econ 4112. Mathematical Economics II. (M/SR; 2 cr; prereq 3201, 3202 or #; offered when feasible)

Topics include linear modeling, input-output analysis and linear programming, efficiency and exchange, comparative static analysis, and dynamic microeconomic and macroeconomic models.

Econ 4121s. International Trade Theory. (SS; 2 cr; prereq 3201 or #; not offered 2002-03)

Overview of why trade occurs, pattern of trade and international factor movement. Effect of trade and trade policy on the economy. Current topics in trade theory.

Econ 4121Hs. Honors: International Trade Theory. (SS; 2 cr; prereq 3201 or #, # for students not in Honors Program; not offered 2002-03)

Same as Econ 4121. Overview of why trade occurs, pattern of trade and international factor movement. Effect of trade and trade policy on the economy. Current topics in trade theory.

Econ 4131s. International Finance. (SS; 2 cr; prereq 3202 or #)

Foreign exchange markets; theories of exchange rate determination; fixed vs. flexible rate systems; theories of balance of payments adjustments; international quantity of money theory; international reserves; international monetary system (past, present, and future); internal and external balance, international economic policy coordination, international debt problem; effect of international sector on domestic growth and stability.

Econ 4131Hs. Honors: International Finance. (SS; 2 cr; prereq 3202 or #, # for students not in Honors Program)

Same as Econ 4131. Foreign exchange markets; theories of exchange rate determination; fixed vs. flexible rate systems; theories of balance of payments adjustments; international quantity of money theory; international reserves; international monetary system (past, present, and future); internal and external balance, international economic policy coordination, international debt problem; effect of international sector on domestic growth and stability.

Econ 4900f,s. Variable Topics in Economic Research. (See specific topics for general education categories; 2 cr;

repeatable when topic changes; prereq 3201, 3202 or #) Guided research sessions. Familiarize students with literature in the field. Research topics include case studies of international or national topics within the discipline or any significant economic issue. Students are required to make a formal presentation on their research topic and attend presentations by their peers.

Econ 4901f. Labor Economics. (SS; 2 cr; prereq 3201, 3202 or #)

Econ 4902s. Development Economics. (IP; 2 cr; prereq 3201, 3202 or #)

Econ 4903s. International Economics. (SS; 2 cr; prereq 3201, 3202 or #)

Econ 4904f. Public Economics. (SS; 2 cr; prereq 3201, 3202 or #)

Econ 1993f,s, 2993f,s, 3993f,s 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Econ 4994. Senior Honors Project. (1-5 cr; repeatable; prereq participation in the Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Education Programs

(See Education [Ed]; Education, Elementary [EEd]; Education, Secondary [SeEd]; and Wellness and Sport Science [WSS].)

UMM offers all students the opportunity to study education and its role in society. Courses with the "Ed" designator meet general education requirements, and enrollment in these courses is open and not limited to students pursuing teaching licensure.

The Division of Education offers a major and teaching licensure in elementary education (K-6) with specialty licensures in preprimary, middle level communication arts and literature, middle level mathematics, middle level science, and middle level social studies. Licensure of secondary school teachers is offered in business (5-12), chemistry (5-12), communication arts and literature (5-12), dance and theatre arts (K-12), earth and space science (5-12), French (K-12), German (K-12), instrumental music (K-12), life science (5-12), mathematics (5-12), physics (5-12), social studies (5-12), Spanish (K-12), visual arts (K-12), and vocal music (K-12). Students may elect to complete coursework leading to endorsement for head varsity coaches in Minnesota.

Teacher education at UMM is part of the lifelong development of an effective teacher that includes an individual's study of liberal arts disciplines and pedagogy, teaching, and other life experiences. UMM's teacher education program is based on a belief that a successful teacher is one who reflects on teaching and makes instructional decisions that ensure student reflection and learning.

Division Structure and Course Descriptions

Teacher education at UMM uses personalized instruction and opportunities for student teaching within and outside the United States to prepare teachers who can employ human, technological, and other resources in the effective instruction of diverse populations of learners. The program introduces prospective teachers to the teaching profession and prepares them to demonstrate:

1) *knowledge* of themselves and of learners; liberal arts disciplines; diverse social organizations and societies, including non-Western cultures; human growth and development; communication and language; problem solving; and effective teaching and learning;

2) *skill* in all aspects of the teaching act including setting objectives; choosing content, materials, and instructional activities; teaching; and evaluating oneself, the teaching process, and the outcomes of learning;

3) *dispositions* associated with effective teaching and the assessment of oneself in relation to learners and learning;

4) *leadership* when confronting educational issues.

Admission requirements must be met and admission granted before students can enroll in courses in either the elementary or secondary teacher education programs. These admission requirements are set by UMM and the state of Minnesota. They are described under “Admission to the Major” in the “Education, Elementary (EIEd)” section and “Admission to the Program” in the “Education, Secondary (SeEd)” section of this catalog. Neither the elementary nor the secondary education program can be completed in one year.

Education (Ed)

This discipline is in the Division of Education. It is designed to meet general education requirements and is not limited to students pursuing teaching licensure.

Objectives—These courses are designed to offer students the opportunity to study education and its role in society.

Course Descriptions

Ed 1051s. Comparative Education. (IP; 4 cr)

Critical thinking abilities and insight into other cultures developed through study of education in selected countries and the United States.

Ed 2101f,s. Foundations and Issues in Education. (1 cr; prereq soph)

History, philosophy, and purposes of American education; teaching as a profession; issues and trends in education today. Career opportunity and certification requirements in education. In addition to class sessions, students complete 30 hours of preprofessional field experience in the schools.

Ed 3101Hf. Honors: Ethics and Decision Making in Education I. (E/CR; 4 cr; prereq upper div status, # for students not in Honors Program)

Study of educational decision making in different settings through analysis and development of case studies, seminar discussion, and independent research, including interviews with decision makers and participation in meetings of policy-making agencies.

Ed 3102Hs. Honors: Ethics and Decision Making in Education II. (1-4 cr; prereq 3101H, # for students not in Honors Program)

Study of educational decision making in different settings through analysis and development of case studies, seminar discussion, and independent research, including interviews with decision makers and participation in meetings of policy-making agencies.

Ed 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Ed 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Continuing Education Courses

Ed 1011. CE: Beginning Sign Language I. (FL; 3 cr; prereq #; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement) Students develop a working vocabulary of conceptually based signs. Emphasis is on receptive abilities. Students develop an awareness of the history of sign language and explore various signing systems and their most common uses.

Ed 1012. CE: Beginning Sign Language II. (FL; 3 cr; prereq 1011; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement)

Students develop a working vocabulary of conceptually based signs. Emphasis is on receptive as well as expressive abilities. Students develop an awareness of the history of sign language and deaf culture and explore various signing systems and their most common uses. A performance of the student’s signing skills is evaluated.

Ed 1111. CE: Introduction to Deaf Education. (Hum; 2 cr; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement) Designed to give students a basic understanding of how to educate the deaf. Emphasis is on learning about their language and culture and how to use that knowledge in working with the deaf in the classroom setting.

Ed 2011. CE: Intermediate Sign Language I. (FL; 3 cr; prereq 1012 or #; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement)

Students develop a working vocabulary of conceptually based signs. Emphasis is on receptive as well as expressive abilities. Students continue to develop an awareness of the history of sign language and deaf culture and explore various signing systems and their most common uses. A performance of the student's signing skills is evaluated.

Ed 2012. CE: Intermediate Sign Language II. (FL; 3 cr; prereq 2011; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement)

Students develop a working vocabulary of conceptually based signs. Students interact with members of the deaf community and participate in field trips. Students help educate the campus and surrounding communities about deaf people and their culture by presenting a performance at the end of the semester.

Education, Elementary (EEd)

This discipline is in the Division of Education. A separate admissions process must be completed and admission granted before students can enroll in this program.

The elementary education major leads to Minnesota licensure as a teacher of grades K through 6. Students obtaining a K-6 license must also be licensed in a specialty area. The five areas offered at UMM are 1) preprimary, 2) middle level communication arts and literature, 3) middle level mathematics, 4) middle level science, and 5) middle level social studies.

Objectives—Coursework leading to a degree in elementary education is designed to meet standards of effective practice required for licensure and provide prospective teachers with opportunities to understand central concepts, tools of inquiry, and structures of disciplines taught in the elementary school; understand children and adolescents and their individual and group behavior; plan and implement instruction adapted to learners of diverse backgrounds and abilities; communicate effectively; encourage critical thinking and problem solving; use formal and informal methods of assessment; and collaborate with parents/guardians, families, school colleagues, and the community in an ethical manner.

Students planning to seek Minnesota teaching licensure at the elementary K-6 level and specialty areas must have completed licensure requirements in the elementary teacher education program, and state and federally mandated examinations for new teachers. A minimum GPA of 2.50 overall and in required licensure area(s) and education courses is required. All courses required for teaching licensure in elementary education

(discipline, professional education, or other courses) must be completed with a grade of C- or higher.

Admission to the Major

During fall semester of the sophomore year, students are expected to attend an application meeting to begin the application process. Applications must be submitted to the Elementary Education Admissions Committee by the end of the first week of spring semester for entry to the program fall semester of the junior year. Enrollment in the major is limited. The decision to admit is made during spring semester, before fall registration. The elementary education course sequence begins in fall semester.

Students transferring from another school must be admitted to UMM before admission to the elementary major can be offered. It is recommended that these students seek academic planning advice from a member of the elementary education faculty before the semester in which admission to the program is sought.

Requirements for admission include the following:

1. Successful completion of Psy 1051—Introduction to Psychology, Psy 1061—Introduction to the Development of the Child and Adolescent, and Ed 2101—Foundations and Issues in Education.

For students desiring more in-depth alternatives, Psy 1101 and 1102—Foundations of Psychology I and II, respectively, may be substituted for the Psy 1051 prerequisite, and both Psy 3401—Developmental Psychology I: Child Psychology and Psy 3402—Developmental Psychology II: Adolescence may be substituted for Psy 1061—Introduction to the Development of the Child and Adolescent.

2. Passing score on the Division of Education writing proficiency test or minimum passing score, as established for the State of Minnesota, on the examination of writing skills of the Pre-professional Skills Test (PPST).
3. Must have taken the PPST before enrolling in elementary education courses (date and location determined by Minnesota Board of Teaching; inquire at Student Counseling for details).
4. A minimum GPA of 2.50 overall and in required education courses.
5. Approximately 60 credits completed by the end of the sophomore year.
6. Approval of the faculty based on an interview, recommendations, assessment of prior experience (especially with children and other cultures), and progress toward a degree.
7. Prior status as a student admitted to UMM.

Student Teaching Requirements

1. Successful completion of EIED 3101—Teaching and Learning Strategies, EIED 3102—Reading in the Elementary School, EIED 3103—Mathematics in the Elementary School, EIED 3111—Practicum I: Field Experience in the Elementary School, EIED 4101—Special Education, EIED 4102—Social Studies in the Elementary School, EIED 4103—Science in the Elementary School, EIED 4104—Language Arts and Literature in the Elementary School, EIED 4107—Health and Physical Education in the Elementary School, EIED 4111—Practicum III: Beginning Student Teaching, and EIED 4112—Practicum IV: Experience in the Elementary School Classroom. Students must also complete either: EIED 3211—Practicum II: Field Experience in a Preprimary Setting and EIED 3201—Preprimary Theory and Pedagogy or EIED 3212—Practicum II: Field Experience in a Middle Level Setting, EIED 3202—Middle Level Theory, and Middle Level Methods in course area of specialty—EngE 4102, MthE 4102, SciE 4102 or SSCE 4102
2. A minimum GPA of 2.50 overall and in the elementary education major
3. Satisfactory completion of tutor aide and practicum experiences
4. Spch 1000—Variable Topics in Introduction to Public Speaking or Spch 1051—Introduction to Public Speaking or exemption granted by petition to the Division of Education based on satisfactory completion of at least a semester-length high school speech course
5. A passing score on the Minnesota Board of Teaching Pre-professional Skills Test (PPST)
6. Approval of teacher education faculty

Major Requirements

Students must complete:

- Psy 1051—Introduction to Psychology
 Psy 1061—Introduction to the Development of the Child and Adolescent
- Ed 2101—Foundations and Issues in Education
 EIED 3101—Teaching and Learning Strategies
 EIED 3102—Reading in the Elementary School
 EIED 3103—Mathematics in the Elementary School
 EIED 3111—Practicum I: Field Experience in the Elementary Classroom
 EIED 3201—Preprimary Theory and Pedagogy
 or EIED 3202—Middle Level Theory
 EIED 3211—Practicum II: Field Experience in a Preprimary Setting
 or EIED 3212—Practicum II: Field Experience in a Middle Level Setting
- EIED 4101—Special Education
 EIED 4102—Social Studies in the Elementary School
 EIED 4103—Science in the Elementary School
 EIED 4104—Language Arts and Literature in the Elementary School
 EIED 4107—Health and Physical Education in the Elementary School

EIED 4111—Practicum III: Beginning Student Teaching

EIED 4112—Practicum IV: Experience in the Elementary School Classroom

EIED 4201—Directed Student Teaching in Primary and Intermediate Grades or EIED 4204—Directed Student Teaching in International School at the Primary and Intermediate Level

EIED 4901—The Teacher and Professional Development.

All courses required for a major in elementary education must be completed with a grade of C- or higher.

Elementary Licensure Requirements

Students planning to teach in Minnesota elementary schools must meet the licensure requirements of the Minnesota Board of Teaching (BOT).

At the University of Minnesota, Morris, the following program is designed to meet the current BOT requirements. These course requirements are subject to change when the BOT implements new licensure rules.

1. All requirements for an elementary education major
2. Communication arts and literature: general education requirements for college writing and foreign language; speech any 1xxx level or above (Spch 1000 or 1051 recommended); English any 2xxx level or above (Engl 3021 recommended)
3. Statistics: Stat 1601, 2601, or 2611 and one mathematics course numbered 1xxx or above (or CLEP equivalency)
4. Visual and performing arts: (two courses representing two different disciplines) studio arts (ArtS 1050 or 1070 recommended), music (Mus 1041 or 1042 recommended), theatre (Th 1101 or 2111 recommended), or dance
5. Social studies: (two courses representing two different disciplines) anthropology (Anth 1111 recommended), economics (Econ 1101 recommended), political science (Pol 1201 recommended), history (Hist 1301 recommended), sociology (Soc 1101 recommended), geography (Geog 1001 or 3111 recommended)
6. Science: (two courses representing two different disciplines, 1 with lab) physics, geology, biology, chemistry
7. Psy 1081—Drugs and Human Behavior
8. A minimum GPA of 2.50 overall and in the elementary education major
9. All courses required for teaching licensure in elementary education must be completed with a grade of C- or higher
10. A positive recommendation from the discipline and Division of Education

11. Passing scores on state and federally mandated examinations for new teachers

Note: Students in elementary education must complete licensure requirements and apply for licensure within seven years from time of admission to the licensure program. After seven years, all education courses previously taken become void and must be retaken for licensure.

Required courses may not be taken S-N unless offered S-N only.

Requirements for Specialty Areas

Students seeking K-6 licensure must also obtain a specialty licensure in one of the following five areas:

1. Preprimary education (age 3 to grade 3): Psy 1051 (or both Psy 1101 and 1102); choose 3 additional courses from Psy 3301, Psy 3311, Psy 3401, Psy 3501, Soc 1101, Soc 3402 or Th 2111; EIED 3201—Preprimary Theory and Pedagogy; and EIED 3211—Practicum II: Field Experience in a Preprimary Setting
2. Middle level communication arts and literature: any Spch course 1xxx level or above; two Engl courses 1xxx level or above (not College Writing); one Engl course 2xxx level or above (Engl 3021 recommended); EIED 3202—Middle Level Theory; EIED 3212—Practicum II: Field Experience in a Middle Level Setting; and EngE 4102—Methods of Teaching Communication Arts and Literature in the Middle School
3. Middle level mathematics: Stat 1601, 2601, or 2611; three additional math courses at the 1xxx level or above; EIED 3202—Middle Level Theory; EIED 3212—Practicum II: Field Experience in a Middle Level Setting; and MthE 4102—Methods of Teaching Mathematics in the Middle School
4. Middle level social studies: Hist any 1xxx level or above; Anth any 1xxx level or above; two courses representing two different disciplines (Geog, Econ, Pol, or Soc); EIED 3202—Middle Level Theory; EIED 3212—Practicum II: Field Experience in a Middle Level Setting; and SSCE 4102—Methods of Teaching Social Studies in the Middle School
5. Middle level science: Biol any 1xxx level or above; Geol any 1xxx level or above; Chem any 1xxx level or above; Phys any 1xxx level or above; EIED 3202—Middle Level Theory; EIED 3212—Practicum II: Field Experience in a Middle Level Setting; and SciE 4102—Methods of Teaching Science in the Middle School

It is recommended that students complete additional coursework, a minor, or a second major supportive of their chosen specialty licensure area. Students seeking a non-education major or minor should consult the catalog for requirements in the area of interest.

Course Descriptions

EIED 3101f. Teaching and Learning Strategies. (4 cr; prereq admission to the elementary teacher education program)

Elementary school teaching and learning. Planning for instruction, learning theory, multicultural education, classroom management, use of technology in the classroom.

EIED 3101H. Honors: Teaching and Learning Strategies. (4 cr; prereq admission to the elementary teacher education program, # for students not in Honors Program)

Elementary school teaching and learning. Planning for instruction, learning theory, multicultural education, classroom management, use of technology in the classroom.

EIED 3102f. Reading in the Elementary School. (4 cr; prereq admission to elementary teacher education program)

Beginning and advanced reading instruction in the elementary grades. Includes study of theory, issues, word recognition and comprehension strategies, reading materials, assessment, and group management.

EIED 3103f. Mathematics in the Elementary School. (3 cr; prereq admission to the elementary teacher education program)

Standards, curriculum, assessment, and methodology for teaching mathematics in the elementary school. Includes the theoretical basis of methodology in mathematics and its application, measurement and evaluation, selection and use of instructional media and computer software, and meeting the needs of culturally diverse and special needs students.

EIED 3111f. Practicum I: Field Experience in the Elementary Classroom. (1 cr; prereq admission to the elementary teacher education program; S-N only)
Field experience in the elementary classroom.

EIED 3201s. Preprimary Theory and Pedagogy. (3 cr; prereq 3101, 3102, 3103, 3111)

Developmental characteristics, organizational and instructional needs of preprimary and early elementary classrooms. Characteristics of effective preprimary and early elementary teachers. Required for student pursuing an elementary preprimary and early elementary specialty.

EIED 3202s. Middle Level Theory. (2 cr; prereq 3101, 3102, 3103, 3111)

Developmental characteristics, organizational and instructional needs of pre-adolescent and adolescent level classrooms. Characteristics of effective middle level teachers. Required for student pursuing an elementary middle level specialty.

EIED 3211s. Practicum II: Field Experience in a Preprimary Setting. (1 cr; prereq 3101, 3102, 3103, 3111; S-N only)

Field experience in preprimary and early primary settings.

EIED 3212s. Practicum II: Field Experience in a Middle Level Setting. (1 cr; prereq 3101, 3102, 3103, 3111; S-N only)
Field experience in the middle level classroom.

EIED 4101f. Special Education. (2 cr; prereq 3101, 3102, 3103, 3111)

Strategies associated with special needs students.

Division Structure and Course Descriptions

EEd 4102f. Social Studies in the Elementary School. (2 cr; prereq 3101, 3102, 3103, 3111)

Outcomes, content, integration strategies, and assessment of social studies instruction in the elementary curriculum.

EEd 4103f. Science in the Elementary School. (2 cr; prereq 3101, 3102, 3103, 3111)

Standards, curriculum, and assessment of elementary school science. Includes theoretical basis of methodology and its application, assessment, selection and use of instructional media and computer software, and meeting the needs of cultural diverse and special needs students.

EEd 4104f. Language Arts and Literature in the Elementary School. (3 cr; prereq 3101, 3102, 3103, 3111)

Outcomes, content, strategies, and assessment of language arts and children's literature in the elementary classroom.

EEd 4107f. Health and Physical Education in the Elementary School. (1 cr; prereq 3101, 3102, 3103, 3111)

Scope, sequence, and related activities in elementary health and physical education.

EEd 4111f. Practicum III: Beginning Student Teaching. (2 cr; prereq 3101, 3102, 3103, 3111; S-N only)

Participation in in-service, teaching, and teaching-related activities in preparation for student teaching.

EEd 4112f. Practicum IV: Experience in the Elementary School. (1 cr; prereq 3101, 3102, 3103, 3111; S-N only)

Field experience in the elementary classroom.

EEd 4201s. Directed Student Teaching in Primary and Intermediate Grades. (HDiv; 10 cr; prereq 4101, 4102, 4103, 4104, 4111, 4112; S-N only)

Students teach for a period of 11 weeks demonstrating application of approaches to teaching and learning in primary and intermediate grades under the guidance of a cooperating teacher and University supervisor.

EEd 4202f,s. Directed Student Teaching in Primary and Intermediate Grades. (1-16 cr; prereq #; S-N only)

For students who need alternative or additional student teaching experience. Students demonstrate application of approaches to teaching and learning in primary and intermediate grades under guidance of a cooperating teacher and University supervisor.

EEd 4204s. Directed Student Teaching in International School at the Primary and Intermediate Level. (IP; 10 cr; prereq 4101, 4102, 4103, 4104, 4111, 4112; S-N only)

Students teach for a period of 11 weeks demonstrating application of approaches to teaching and learning in primary and intermediate grades under the guidance of a cooperating teacher and University supervisor.

EEd 4901s. The Teacher and Professional Development. (2 cr; prereq 4201, 4204 or #)

Professional development issues, including portfolio assessment.

EEd 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

EEd 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Education, Secondary (SeEd)

This discipline is in the Division of Education. A separate admissions process must be completed and admission granted before students can enroll in this program.

The secondary education program leads to Minnesota licensure as a teacher of grades K through 12 and 5 through 12 in specified liberal arts disciplines.

Objectives—Coursework in secondary education is designed to meet standards of effective practice required for licensure and provide prospective teachers with opportunities to understand central concepts, tools of inquiry, and structures of disciplines taught in the middle and secondary school; understand how children and adolescents learn and develop, individual and group motivation and behavior, and diversity among learners; create instructional opportunities adapted to learners from diverse cultural backgrounds and with exceptionalities; use instructional strategies that reflect personal knowledge of effective verbal, nonverbal, and communication techniques and encourage development of critical thinking, problem solving, and performance skills; understand and use formal and informal methods of student assessment; plan and manage instruction and engage in reflection and self-assessment; and collaborate with parents/guardians, families, school colleagues, and the community in an ethical manner.

Students seeking licensure must have a major, a bachelor's degree, and have completed licensure requirements in the area(s) in which licensure is sought. UMM is approved to recommend teaching licensure in the following fields: business (5-12), chemistry (5-12), communication arts and literature (5-12), dance and theatre arts (K-12), earth and space science (5-12), French (K-12), German (K-12), instrumental music (K-12), life science (5-12), mathematics (5-12), physics (5-12), social studies (5-12), Spanish (K-12), visual arts (K-12), and vocal music (K-12).

Students planning to seek Minnesota teaching licensure at the secondary school level must complete licensure requirements in the discipline(s) of the subject(s) they intend to teach, the secondary teacher education program, and state and federally mandated examinations for new teachers. A minimum GPA of 2.50 overall and in required licensure area(s) and education courses is required. All courses required for teaching licensure in secondary

education (discipline, professional education, or other courses) must be completed with a grade of C- or higher.

Licensure Area Requirements

An equivalent honors course can be used to fulfill any of the following requirements.

Business 5-12 (49-52 cr)

Econ 1111—Principles of Microeconomics
Econ 1112—Principles of Macroeconomics
Mgmt 2101—Principles of Accounting I
Mgmt 2102—Principles of Accounting II
Mgmt 3101—Financial Management
Mgmt 3133—Managerial Accounting
Mgmt 3141—Business Law I
Mgmt 3142—Business Law II
Mgmt 3161—Labor Management Relations I
Mgmt 3162—Labor Management Relations II
Mgmt 3201—Marketing Principles and Strategy
Mgmt 3221—Management and Organization Theory
Mgmt 3601—Transnational Enterprise
Mgmt 4896—Internship

One of two:

Stat 1601—Introduction to Statistics
Stat 2601—Statistical Methods

Chemistry 5-12 (58-67 cr)

Biol 2101—Evolution of Biodiversity (Biol 1101
prereq is waived)
Biol 2111—Cell Biology
Chem 1101—General Chemistry I
Chem 1102—General Chemistry II
Chem 2301—Organic Chemistry I
Chem 2302—Organic Chemistry II
Chem 2311—Organic Chemistry Lab I

One of two:

Chem 2312—Organic Chemistry Lab II
Chem 2321—Introduction to Research
Chem 3101—Analytical Chemistry
Chem 3501—Physical Chemistry I
Chem 3xxx level or above, one course

One of three:

Chem 4901 and 4902—Chemistry Seminar I and II
(on research)
Chem 2993 or 3993 or 4993—Directed Study in
Research
Other research experience (i.e. UROP, internship)
with discipline approval
Geol 1101—Physical Geology
Math 1101—Calculus I
Math 1102—Calculus II
Phys 1101—General Physics I
Phys 1102—General Physics II

Communication Arts and Literature 5-12 (60 cr; fulfills the requirements for an English major)

Engl 1100—Variable Topics in Literature
Engl 2011—Analysis of Poetry (prerequisite)
Engl 3001—Advanced Writing
Engl 3021—Grammar and Language
Engl 3031—Shakespeare

One of three:

Engl 3101—Medieval to Renaissance in English
Literature
Engl 3111—British Romanticism: Origins and
Influence
Engl 3121—Victorian and Modern British
Literature

One of two:

Engl 3201—The Pluralistic Roots of U.S.
Literature
Engl 3211—New Visions of U.S. Literature

One of three:

Engl 3301—Multicultural Literature
Engl 3311—Native American Literature
Engl 3321—Women's Literature

One of two:

Spch 1000—Variable Topics in Introduction to
Public Speaking
Spch 1051—Introduction to Public Speaking
Spch 1061—Interpersonal Communication
Spch 1071—Introduction to Groups: Principles and
Practices
Spch 2101—Introduction to Speech Communication
Spch 3301—Media Theory, Criticism, and Problems
Spch 4151—Argumentation: Theory and Practice
Th 2211—Oral Interpretation

Dance and Theatre Arts K-12 With a Theatre Specialization (47 cr)

Th 1101—The Theatre Experience: An Introduction
Th 1111—Fundamentals of Acting
Th 1301—Fundamentals of Design
Th 2101—Fundamentals of Directing
Th 2211—Oral Interpretation
Th 2301—Stagecraft
Th 3101—World Theatre: History and Literature I
Th 3102—World Theatre: History and Literature II

One of two:

Th 3201—Acting and Directing I
Th 3202—Acting and Directing II
Th 4301—Scenic Design
Spch 3311—Social Uses of Media
WSS 1332—Intermediate Jazz Dance
WSS 1333—Intermediate Modern Dance
WSS 2301—Dance Production
Three major production responsibilities in faculty-
directed productions, two of which must be in the
junior and senior years

Division Structure and Course Descriptions

Earth and Space Science 5-12 (56-61 cr)

Biol 2101—Evolution of Biodiversity (Biol 1101 prereq is waived)
Biol 2111—Cell Biology
Chem 1101—General Chemistry I
Chem 1102—General Chemistry II
Geol 1101—Physical Geology
Geol 1121—Historical Geology: Earth History and Changing Scientific Perspectives
Geol 2101—Mineralogy and Crystallography
Geol 2111—Petrology and Petrography
Geol 2121—Sedimentology and Stratigraphy

One of three:

Geol 4901 and 4902—Geology Senior Seminar and Presentations (on research)
Geol 2993 or 3993 or 4993—Directed Study in Research
Other research experience (i.e. UROP, internship) with discipline approval
Math 1101—Calculus I
Math 1102—Calculus II
Phys 1101—General Physics I
Phys 1102—General Physics II

Also recommended:

Geol 3101—Structural Geology
Geol 3501—Hydrology

French K-12 (44 cr)

Fren 1001—Beginning French I
Fren 1002—Beginning French II
Fren 2001—Intermediate French I
Fren 2002—Intermediate French II
Fren 3001—Conversation and Composition
Fren 3011—Reading and Analysis of Texts
Fren 3021—Modern France
Minimum 16 credits of Fren 3xxx or above courses
Proficiency examination in French

German K-12 (48 cr)

Ger 1001—Beginning German I
Ger 1002—Beginning German II
Ger 2001—Intermediate German I
Ger 2002—Intermediate German II
Ger 3001—Beginning German Conversation and Composition I
Ger 3011—Readings in German
Ger 3021—Advanced German Conversation and Composition
Ger 3101—Survey of German Literature and Culture I
Ger 3102—Survey of German Literature and Culture II

One of two:

Ger 3201—German Classicism
Ger 3211—German Romanticism
Two Ger 3xxx elective courses (4 cr each)
Proficiency examination in German

Instrumental Music K-12 (47 cr)

Mus 0100—Concert Attendance (7 enrollments minimum)
Mus 1101—Core Studies I: Music Theory I
Mus 1102—Core Studies I: Music Theory II
Mus 1300—Concert Band and/or 1340—Orchestra (7 enrollments minimum)
Mus 2101—Core Studies II: Music Theory III
Mus 2102—Core Studies II: Music Theory IV
Mus 3101—Core Studies III: Medieval, Renaissance, and Baroque Music
Mus 3102—Core Studies III: Classical, Romantic, and 20th Century Music
Mus 1200-1219—Individual Performance Studies (4-5 total enrollments)*
Mus 3200-3219—Advanced Individual Performance Studies in wind, string, percussion, or keyboard (2-3 semesters)*
Mus 3301—Instrumental Techniques—Woodwind
Mus 3302—Instrumental Techniques—Brass and Percussion
Mus 3303—Instrumental Techniques—Strings
Mus 3304—Vocal Techniques
Mus 3311—Conducting Techniques
Mus 3321—Instrumental Conducting and Materials
Mus 4901—Senior Project
Piano Proficiency Test
Secondary performance competence on another family (wind, string, or percussion)

* *If jury exam is passed end of 4th semester: 4 cr Mus 1200-1219 and 3 cr of Mus 3200-3219; if jury exam is passed end of 5th semester: 5 cr Mus 1200-1219 and 2 cr of Mus 3200-3219*

Life Science 5-12 (82 cr; fulfills the requirements for a biology major)

Biol 1101—Freshman Seminar in Biological Principles
Biol 2101—Evolution of Biodiversity
Biol 2111—Cell Biology
Biol 3101—Genetics
Biol 3121—Molecular Biology
Biol 3131—Ecology
Biol 4000-4500 (8 cr minimum)
Biol 4901—Senior Seminar
Chem 1101—General Chemistry I
Chem 1102—General Chemistry II
Chem 2301—Organic Chemistry I
Chem 2302—Organic Chemistry II
Chem 2311—Organic Chemistry Lab I
Geol 1101—Physical Geology
Math 1101—Calculus I
Math 1102—Calculus II
Phys 1101—General Physics I
Phys 1102—General Physics II

One of two:

Stat 1601—Introduction to Statistics
Stat 2601—Statistical Methods

One of four:

- Biol 4000-4500 (beyond 8-cr minimum above)
- Geol 3111—Introduction to Invertebrate Paleontology
- Psy 3201—Comparative Psychology
- Psy 3211—Biological Psychology

Mathematics 5-12 (47 cr)

- CSci 1211—Introduction to Problem Solving with Java
- Math 1101—Calculus I
- Math 1102—Calculus II
- Math 2111—Linear Algebra
- Math 2211—History of Math
- Math 2301—Mathematical Perspectives
- Math 3211—Geometry
- Math 3221—Analysis
- Math 3231—Abstract Algebra
- Math 3411—Discrete and Combinatorial Mathematics
- Math 4901—Senior Seminar
- Stat 2611—Mathematical Statistics

Physics 5-12 (69-74 cr)

- Biol 2101—Evolution of Biodiversity (Biol 1101 prereq is waived)
- Biol 2111—Cell Biology
- Chem 1101—General Chemistry I
- Chem 1102—General Chemistry II
- Geol 1101—Physical Geology
- Math 1101—Calculus I
- Math 1102—Calculus II
- Math 2101—Calculus III
- Math 2401—Differential Equations
- Phys 1101—General Physics I
- Phys 1102—General Physics II
- Phys 2101—Modern Physics
- Phys 2201—Circuits and Electronic Devices
- Phys 3101—Classical Mechanics
- Phys 3301—Optics

One of two:

- Chem 3501—Physical Chemistry I
- Phys 3501—Statistical Physics

One of three:

- Phys 4901—Senior Thesis (on research)
- Phys 2993 or 3993 or 4993—Directed Studies in Research
- Other research experience (e.g., UROP, internship) with discipline approval

Social Studies 5-12 (49-57 cr; fulfills requirements for a social science major)

- Anth 1111—Introductory Cultural Anthropology
- Econ 1112—Macroeconomics
- Econ 1951—Seminar for Social Studies Majors

One of two:

- Geog 1001—Problems in Geography
- Geog 3111—Geography of Minnesota

- Hist 1301—Introduction to United States History
- Stat 1601—Introduction to Statistics or equivalent
- Pol 1201—American Government and Politics
- Psy 1051—Introduction to Psychology
- Soc 1101—Introductory Sociology
- Area of concentration—3-5 additional courses agreed upon with adviser.

Spanish K-12 (48 cr)

- Span 1001—Beginning Spanish I
- Span 1002—Beginning Spanish II
- Span 2001—Intermediate Spanish I
- Span 2002—Intermediate Spanish II
- Span 3001—Advanced Spanish I
- Span 3002—Advanced Spanish II
- Span 3101—Introduction to Spanish Literature
- Span 3201—Masterpieces of Spanish Peninsular Literature I
- Span 3202—Masterpieces of Spanish Peninsular Literature II
- Span 3301—Masterpieces of Latin American Literature I
- Span 3302—Masterpieces of Latin American Literature II

One of two:

- Span 3400—Variable Topics in Latin American Literature
- Span 3500—Variable Topics in Spanish Peninsular Literature

Proficiency examination in Spanish

Visual Arts K-12 (58 cr)

- ArtH 1101—Principles of Art
- ArtS 1050—Beginning Ceramics
- ArtS 1101—Basic Studio Drawing
- ArtS 1102—Basic Studio Drawing
- ArtS 1103—Basic Studio 2-D Design
- ArtS 1104—Basic Studio 3-D Design
- ArtS 1105—Basic Studio Discussion
- ArtS 1106—Basic Studio Discussion
- ArtS 2101—Second Year Drawing
- ArtS 2102—Second Year Drawing
- ArtS 3881—Junior Review
- ArtS 4881—Senior Review
- ArtS 4901—Senior Exhibit

Minimum 12 cr in one of the following media plus 6 cr in another and 3 cr in the third media:

Printmaking

- ArtS 2201—Beginning Printmaking
- ArtS 2202—Beginning Printmaking
- ArtS 3200—Advanced Printmaking

Painting

- ArtS 2301—Beginning Painting
- ArtS 2302—Beginning Painting
- ArtS 3300—Advanced Painting

Division Structure and Course Descriptions

Sculpture

ArtS 2401—Beginning Sculpture

ArtS 2402—Beginning Sculpture

ArtS 3400—Advanced Sculpture

Minimum 6 credits ArtS 2xxx or above electives

Minimum of 8 credits of ArtH courses

Vocal Music K-12 (47 cr)

Mus 0100—Concert Attendance (7 enrollments minimum)

Mus 1101—Core Studies I: Music Theory I

Mus 1102—Core Studies I: Music Theory II

Mus 1310—University Choir and/or 1320—Concert Choir (7 enrollments minimum)

Mus 2101—Core Studies II: Music Theory III

Mus 2102—Core Studies II: Music Theory IV

Mus 3101—Core Studies III: Medieval, Renaissance, and Baroque Music

Mus 3102—Core Studies III: Classical, Romantic, and 20th Century Music

Mus 1200—1219—Individual Performance Studies (4-5 total enrollments)*

Mus 3200—3219—Advanced Individual Performance Studies in voice or keyboard (2-3 semesters)*

Mus 3301—Instrumental Techniques—Woodwind

Mus 3302—Instrumental Techniques—Brass and Percussion

Mus 3303—Instrumental Techniques—Strings

Mus 3304—Vocal Techniques

Mus 3311—Conducting Techniques

Mus 3331—Choral Conducting and Materials

Mus 4901—Senior Project

Piano Proficiency Test

Secondary performance competence on an instrument (wind, string, percussion or keyboard)

* If jury exam is passed end of 4th semester: 4 cr Mus 1200-1219 and 3 cr of Mus 3200-3219; if jury exam is passed end of 5th semester: 5 cr Mus 1200-1219 and 2 cr of Mus 3200-3219

Admission to the Program

During fall semester of the junior or senior year, students are expected to attend an application meeting to begin the application process. Enrollment in the program is limited. The decision to admit is made during spring semester, before fall registration. The secondary education course sequence begins in fall semester.

Students transferring from another school must be admitted to UMM before admission to the secondary program can be offered. It is recommended that these students seek academic planning advice from a member of the secondary education faculty before the semester in which admission to the program is sought.

Requirements for admission include the following:

1. Successful completion of Psy 1051—Introduction to Psychology, Psy 1061—Introduction to the Development of the Child and Adolescent, and Ed 2101—Foundations and Issues in Education

For students desiring more in-depth alternatives, Psy 1101 and 1102—Foundations of Psychology I and II, respectively, may be substituted for the Psy 1051 prerequisite, and both Psy 3401—Developmental Psychology I: Child Psychology and Psy 3402—Developmental Psychology II: Adolescence may be substituted for Psy 1061—Introduction to the Development of the Child and Adolescent.

2. Passing score on the Division of Education writing proficiency test or minimum passing score, as established for the State of Minnesota, on the examination of writing skills of the Preprofessional Skills Test (PPST).
3. Must have taken the PPST before enrolling in secondary education courses (date and location determined by Minnesota Board of Teaching; inquire at Student Counseling for details).
4. A minimum GPA of 2.50 overall and in required licensure area(s) and education courses.
5. Approximately 90 credits completed by the end of the junior year including demonstration of satisfactory progress in each licensure area.
6. Approval of the faculty based on an interview, recommendations, assessment of prior experience (especially with young people and other cultures), and progress toward a degree.
7. Prior status as a student admitted to UMM.

Student Teaching Requirements

1. Successful completion of SeEd 4101—Block I: Teaching the Middle and Secondary Student, SeEd 4102—Block II: Teaching and Learning Strategies, and SeEd 4103—Practicum Experience in the Middle and Secondary School.
2. Successful completion of licensure area methods course(s).
3. Satisfactory completion of tutor aide and practicum experiences.
4. Spch 1000—Variable Topics in Introduction to Public Speaking or Spch 1051—Introduction to Public Speaking or exemption granted by petition to the Division of Education based on satisfactory completion of at least a semester-length high school speech course.
5. A passing score on the Minnesota Board of Teaching Pre-professional Skills Test (PPST).
6. A minimum GPA of 2.50 overall and in required licensure area(s) and education courses.
7. Approval of teacher education faculty based on recommendations from faculty in the student's discipline.

Middle and Secondary School Licensure Requirements

Students planning to teach in Minnesota middle and secondary schools must meet the licensure requirements of the Minnesota Board of Teaching (BOT).

At the University of Minnesota, Morris, the following program is designed to meet the current BOT requirements. These course requirements are subject to change when the BOT implements new licensure rules.

1. Professional education courses Ed 2101—Foundations and Issues in Education, SeEd 4101—Block I: Teaching the Middle and Secondary Student, SeEd 4102—Block II: Teaching and Learning Strategies, SeEd 4103—Practicum Experience in the Middle and Secondary School, SeEd 4201—Directed Student Teaching in the Middle and Secondary School or SeEd 4204—Directed Student Teaching in International School at the Middle and Secondary Level, and SeEd 4901—The Teacher and Professional Development.
2. Successful completion of licensure area methods course(s).
3. Psy 1051—Introduction to Psychology, Psy 1061—Introduction to the Development of the Child and Adolescent, and Psy 1081—Drugs and Human Behavior.
4. Spch 1000—Variable Topics in Introduction to Public Speaking or Spch 1051—Introduction to Public Speaking or exemption granted by petition to the Division of Education based on satisfactory completion of at least a semester-length high school speech course.
5. A minimum GPA of 2.50 overall and in required licensure area(s) and education courses.
6. All courses required for teaching licensure in secondary education (discipline, professional education, or other courses) must be completed with a grade of C- or higher.
7. A positive recommendation from the discipline and division offering the licensure area coursework and Division of Education.
8. Passing scores on state and federally mandated examinations for new teachers.

Note: Students in secondary education must complete licensure requirements and apply for licensure within seven years from time of admission to the licensure program. After seven years, all education courses previously taken become void and must be retaken for licensure.

Required courses may not be taken S-N unless offered S-N only.

Course Descriptions

SeEd 4101f. Block I: Teaching the Middle and Secondary Student. (4 cr; prereq admission to the secondary teacher education program, ¶4102, 4103, methods)
Study of the middle and secondary education student, including exceptionalities, individual differences, learning styles, self-esteem, motivation, communication skills, and multicultural education.

SeEd 4102f. Block II: Teaching and Learning Strategies. (4 cr; prereq ¶4101, 4103, methods)
Teaching and learning strategies for middle and secondary classrooms. Planning for instruction, learning theory, use of technology in the classroom, educational philosophy, discipline, and assessment.

SeEd 4103f. Practicum Experience in the Middle and Secondary School. (2 cr; prereq ¶4101, 4102, methods; S-N only)
Field experience in the middle and secondary school.

SeEd 4201s. Directed Student Teaching in the Middle and Secondary School. (10 cr; prereq 4101, 4102, 4103, methods, Spch 1000 or Spch 1051 or exemption; S-N only)
Students teach for a period of 11 weeks demonstrating application of approaches to teaching and learning in the middle and secondary grades under the guidance of a cooperating teacher and University supervisor.

SeEd 4202f,s. Directed Student Teaching in the Middle and Secondary School. (1-16 cr; prereq #; S-N only)
For students who need alternative or additional student teaching experience. Students demonstrate application of approaches to teaching and learning in middle and secondary grades under the guidance of a cooperating teacher and University supervisor.

SeEd 4204s. Directed Student Teaching in International School at the Middle and Secondary Level. (IP; 10 cr; prereq 4101, 4102, 4103, methods, Spch 1000 or Spch 1051 or exemptions; S-N only)
Students teach for a period of 11 weeks demonstrating application of approaches to teaching and learning in the middle and secondary grades under the guidance of a cooperating teacher and University supervisor.

SeEd 4901s. The Teacher and Professional Development. (2 cr; prereq 4201 or 4204 or #)
Professional development issues, including portfolio assessment.

SeEd 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

SeEd 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)
A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Middle and Secondary Education Methods Courses

These courses focus on the objectives, curricula, special methods, materials, and evaluation appropriate for teaching the various subject matter areas in the middle and secondary school. Students are required to complete methods course(s) in their licensure area(s). Methods courses are taken concurrently

Division Structure and Course Descriptions

with the secondary education block courses—SeEd 4101, 4102, 4103—and must be successfully completed before student teaching in a specific field.

ArtE 4103f. Methods of Teaching Art K-12. (4 cr; A-F only)

EngE 4102f. Methods of Teaching Communication Arts and Literature in the Middle School. (1 cr; A-F only)

EngE 4103f. Methods of Teaching Communication Arts and Literature in the Secondary School. (3 cr; prereq ¶EngE 4102, A-F only)

LanE 4103f. Methods of Teaching Foreign Language K-12. (4 cr; A-F only)

MgtE 4103f. Methods of Teaching Business in the Middle and Secondary School. (4 cr; A-F only)

MthE 4102f. Methods of Teaching Mathematics in the Middle School. (1 cr; A-F only)

MthE 4103f. Methods of Teaching Mathematics in the Secondary School. (3 cr; prereq ¶MthE 4102, A-F only)

MusE 4103f. Methods of Teaching Music K-12. (3 cr; A-F only)

MusE 4104f. Multicultural Music for the K-12 Music Educator. (1 cr; prereq #; A-F only)

SciE 4102f. Methods of Teaching Science in the Middle School. (1 cr; A-F only)

SciE 4103f. Methods of Teaching Science in the Secondary School. (3 cr; prereq ¶SciE 4102; A-F only)

SSE 4102f. Methods of Teaching Social Science in the Middle School. (1 cr; A-F only)

SSE 4103f. Methods of Teaching Social Science in the Secondary School. (3 cr; prereq ¶SSE 4102; A-F only)

ThE 4103f. Methods of Teaching Dance and Theatre Arts K-12. (4 cr; A-F only)

Major Requirements

Major requirements include a minimum of 10 courses (40 credits).

Prerequisite courses

Engl 1100—Variable Topics in Interpreting Literature
Engl 2011—Introduction to Poetry and Poetic Language

Advanced courses

- A. At least two courses in British literature from:
Engl 3101—Medieval to Renaissance in English Literature
Engl 3111—British Romanticism: Origins and Influences
Engl 3121—Victorian and Modern British Literature
- B. At least one course in American literature from:
Engl 3201—The Pluralistic Roots of U.S. Literature
Engl 3211—New Visions of U.S. Literature
- C. At least one course from:
Engl 3301—Multicultural Literature
Engl 3311—Native American Literature
Engl 3321—Women’s Literature
Engl 3331—African American Literature
Engl 3341—Chicana/o and U.S. Latina/o Literature

Electives: Four courses, at least two at the 3xxx and one at the 4xxx level.

Up to 4 credits of coursework with a grade of D may be used to meet the major requirements.

Minor Requirements

Minor requirements include a minimum of six courses (24 credits).

Prerequisite courses

Engl 1100—Variable Topics in Interpreting Literature
Engl 2011—Introduction to Poetry and Poetic Language

Advanced courses

- A. At least one course in British literature from:
Engl 3101—Medieval to Renaissance in English Literature
Engl 3111—British Romanticism: Origins and Influences
Engl 3121—Victorian and Modern British Literature
- B. At least one course in American literature from:
Engl 3201—The Pluralistic Roots of U.S. Literature
Engl 3211—New Visions of U.S. Literature
- C. At least one course from:
Engl 3301—Multicultural Literature
Engl 3311—Native American Literature
Engl 3321—Women’s Literature
Engl 3331—African American Literature
Engl 3341—Chicana/o and U.S. Latina/o Literature

English (Engl)

This discipline is in the Division of the Humanities. English is the study of literature and language—its historical, imaginative, and intellectual development.

Objectives—The English program engages students in the study of British and American literature of different periods, with an emphasis on various approaches to literary study. Students learn to discuss, orally and in writing, what they have read: how the author has structured the text and how literary language achieves its effects and directs the reader’s response to the text. The major offers both broad exposure to and in-depth study of literature and language, as well as courses in creative and expository writing. English courses combine analysis and writing to teach students to be effective critical and imaginative readers and writers.

Electives: One course at the 3xxx or 4xxx level.
Up to 4 credits of coursework with a grade of D may be used to meet the minor requirements.

Teacher Preparation Requirements

Students seeking teaching licensure in communication arts and literature 5-12 should refer to the Education, Secondary (SeEd) section of this catalog. Students completing the course requirements for licensure in Communication Arts/Literature will earn an English major.

Course Descriptions

Engl 1001f. Fundamentals of Writing. (4 cr; may not be used to fulfill the College Writing requirement)
Intensive practice in the fundamentals of writing. Students learn and apply strategies for generating, organizing, revising, and editing their writing.

Engl 1011f.s. College Writing. (CW; 4 cr)
Practice in expressive and analytical writing, with special emphasis on the multisource essay.

Engl 1021f. Introduction to Creative Writing. (ArtP; 4 cr; prereq #; not offered 2002-03)
An introduction to the basic elements of creative writing, including exploration of poetry, story, and journal writing. Practice with techniques such as dialogue, description, voice, and style.

Engl 1031. Imagining Contemporary America. (HDiv; 4 cr; offered when feasible)
Examination of selected recent literary works reflecting the diversity of U.S. culture.

Engl 1100. Variable Topics in Interpreting Literature.
(See specific topics for general education categories; 4 cr; repeatable when topic changes; offered when feasible)
Introduction to the study of literature. Emphasis on gaining basic skills of analysis. Topics vary.

Engl 1102. The Environmental Imagination. (Envt; 4 cr; offered when feasible)
Study of selected poetry and prose on nature and the environment.

Engl 2011f.s. Introduction to Poetry and Poetic Language. (4 cr; prereq 1011 or equiv)
A prerequisite to advanced courses in English. An introduction to the techniques of close reading and the analysis of poetry. Emphasis on appreciating and understanding poetic form.

Engl 2100. Variable Topics in Writing. (ArtP; 4 cr; repeatable when topic changes; prereq 1011 or equiv; offered when feasible)
Study of a topic or method(s) of writing not normally covered by other writing courses.

Engl 3001f.s. Advanced Expository Writing. (4 cr; prereq #)
Formal training in expository writing, with special attention to the ways that context and audience affect writers' stylistic choices.

Engl 3011s. Advanced Creative Writing. (ArtP; 4 cr; prereq #)
For experienced writers. Focus on developing skills and mastering creative and technical elements of writing poetry and fiction.

Engl 3021f. Grammar and Language. (4 cr)
Study of the English language. Historical development and current structure. Includes language variation and change, social history of language, phonology, syntax, semantics, development of English grammar, prescriptive versus descriptive grammar, and contemporary theories of grammar.

Engl 3031s. Shakespeare. (Hum; 4 cr; prereq 1100, 2011)
A careful reading of a representative selection of Shakespeare's plays, with attention to their historical context, the poetic and dramatic aspects of Shakespeare's art, and a variety of approaches to his work.

Engl 3041. Chaucer. (Hum; 4 cr; prereq 1100, 2011; offered when feasible)

Concentrating on the Canterbury Tales but also reading some of Chaucer's shorter poetry, students study the writing of this influential poet—especially his range of genres and language—as well as explore his fourteenth-century context (e.g., politics, plague, antifeminism, anticlericalism, peasants' rebellions).

Engl 3041H. Honors: Chaucer. (Hum; 4 cr; prereq 1100, 2011, # for students not in Honors Program; offered when feasible)
Intensive study of Chaucer's Canterbury Tales as well as some of Chaucer's shorter poetry. Students explore genre, language, and context, as well as language and critical reception.

Engl 3050f. Variable Topics in Literature and Language I. (4 cr; repeatable when topic changes; prereq 1100, 2011)
Detailed investigation of the works of certain authors or an intensive investigation of a particular period.

Engl 3101f. Medieval to Renaissance in English Literature. (4 cr; prereq 1100, 2011)
Readings in English poetry, prose, and/or drama from 1300 to 1600, with particular attention to the development of an English national literature and the challenges posed by periodization (i.e., "Medieval" and "Renaissance"). Specific authors vary.

Engl 3111s. British Romanticism: Origins and Influence. (4 cr; prereq 1100, 2011)
The study of Romanticism as an historical movement in English literature—its origins in reaction to 18th-century neoclassicism and its influences on subsequent literature.

Engl 3121s. Victorian and Modern British Literature. (4 cr; prereq 1100, 2011)
Analysis of literature as a product and cause of cultural change in Great Britain from 1839 to 1939.

Engl 3131. The English Novel. (4 cr; prereq 1100, 2011; offered when feasible)
Study of the development of the English novel in the 18th and 19th centuries.

Engl 3141. Irish Literature From 18th Century to the Present. (4 cr; prereq 1100, 2011; offered when feasible)
Readings in Irish literature and its relationship to historical contexts.

Engl 3201f. The Pluralistic Roots of U.S. Literature. (4 cr; prereq 1100, 2011)
Study of important texts, canonical and non-canonical, and important periods and movements that define the colonial and U.S. experience up to 1870.

Division Structure and Course Descriptions

Engl 3211s. New Visions of U.S. Literature. (4 cr; prereq 1100, 2011)

Study of selected historical and literary texts in order to explain the emergence of distinctively modern conceptions of U.S. literature from 1870 to the present.

Engl 3221. Development of the Novel in the United States. (4 cr; prereq 1100, 2011; offered when feasible)
Study of the development of the American novel in the 19th and 20th centuries.

Engl 3301s. Multicultural Literature. (4 cr; prereq 1100, 2011)
Comparative examination of literature by African American, Native American, Chicano/a, and Asian American writers.

Engl 3311f. Native American Literature. (4 cr; prereq 1100, 2011; not offered 2001-02)
Study of American Indian literature written in English from 19th century to the present and its historical and cultural contexts. Emphasis on the literature's engagement with language, identity, land, and sovereignty.

Engl 3321s. Women's Literature. (4 cr; prereq 1100, 2011)
Examination of women writers as a distinct group, with attention to ethnic, class, and cultural differences; includes readings in feminist theory.

Engl 3331f. African American Literature. (4 cr; prereq 1100, 2011; not offered 2002-03)
Study of African American literature from the slave narrative to the contemporary novel, with attention to formative historical and cultural contexts, as well as theoretical and critical debates.

Engl 3341. Chicana/o and U.S. Latina/o Literature. (4 cr; prereq 1100, 2011; offered when feasible)
Study of Chicana/o and U.S. Latina/o literature from late nineteenth century to present and its historical and cultural contexts. Particular attention given to themes of language, identity, land, immigration/migration, and spirituality.

Engl 3401. Modern British and American Poetry. (4 cr; prereq 1100, 2011; offered when feasible)
Study of important movements and figures in 20th-century poetry from 1900 to the present.

Engl 4000f,s. Senior Seminar: Variable Topics in Literature and Language II. (4 cr; repeatable when topic changes; prereq 1100, 2011, #)
A capstone experience for majors. In-depth study of a literary subject. Conducted as a seminar. Topics vary.

Engl 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Engl 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)
A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

European Studies (ES)

This is an interdisciplinary major under the authority of the vice chancellor for academic affairs and dean. The program is administered by the coordinator of European studies.

Objectives—The purpose of the European studies program is to acquaint students with the culture and society of Europe from the Middle Ages to the present as well as Europe's classical antecedents. The study of modern Europe reflects recent changes in Central/Eastern Europe and Russia. The approach is interdisciplinary, drawing on various fields of study.

Major Requirements

Major requirements include language proficiency in French, German, or Spanish equivalent to that required for the completion of the course numbered 2002 in the language. (Students planning to pursue advanced courses in French, German, or Spanish should note that proficiency beyond the 2002 level is sometimes a prerequisite to some of the courses listed below.) Equivalent proficiency in European languages not offered at UMM may also be used to satisfy this requirement.

In addition, 48 credits must be selected from the courses listed below, with a maximum of 16 of the credits in any one discipline.

1. Students develop a coherent program and a plan of study in consultation with their major advisers. Advisers normally are faculty with a specialty in an appropriate area. Upon approval by the advisers, the program and plan are forwarded to the vice chancellor for academic affairs for information.
2. Any directed study course for which an instructor is available is acceptable provided the subject matter is appropriate.
3. The topics courses listed below as well as topics and seminar courses in other disciplines are acceptable provided the subject matter is appropriate.
4. Students are encouraged to spend a period of time in Europe pursuing conventional coursework, independent studies, or other study abroad programs.

Note: Students planning to major in European studies must register with the vice chancellor for academic affairs and dean.

Course Descriptions

Arth 1121. Renaissance to Modern Art. (FA; 4 cr)

Survey of the major works of art of western Europe from 1400 to the present.

Arth 3131f. Northern Renaissance Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

Painting, sculpture, and architecture of France, Belgium, the Netherlands, and Germany during the late 14th century to the mid-16th century, tracing the development of oil painting and interpreting the significant imagery of the period.

Arth 3151s. High Renaissance Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

The art of the 15th and early 16th centuries in Italy, concentrating on the work of Leonardo da Vinci, Michelangelo, and Raphael to understand the classicizing principles of the time and place.

Arth 3161f. 16th-Century European Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

A study of art during a period of cultural upheaval and radical change in Italy and northern Europe from 1520 to 1590.

Arth 3171s. Baroque Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

A sociohistorical consideration of the stylistic and thematic diversity present in the works of such 17th-century masters as Caravaggio, Bernini, Velazquez, Rembrandt, and Vermeer.

Arth 3181f. Rococo to Revolution. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

An examination of the visual arts in relation to social and historical developments in 18th-century Europe, such as the Enlightenment, the French Revolution, archaeological discoveries, the Grand Tour, and the rise of art criticism.

Arth 3201f. 19th-Century European Art through Post-Impressionism. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

Survey of major movements from Neoclassicism through Romanticism, Realism, and Impressionism to Post-Impressionism. Attention is given to iconographical and formal analysis as well as to the social conditions in which artists lived and worked.

Arth 3211s. Early Modern Art: Symbolism to Surrealism. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2002-03)

Survey of the major early modern movements from Symbolism through Cubism, Futurism, Expressionism, Constructivism, De Stijl, and the Bauhaus to Surrealism. Attention is given to theories of modern art as well as to formal and iconographical analyses and to the social conditions in which modern art was created and experienced.

Arth 3281s. Women and Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

An historical survey of the role of women as creators and patrons of the visual arts in Western European and American societies, from antiquity to the present.

Econ 4121s. International Trade Theory. (SS; 2 cr; prereq 3201 or #; not offered 2002-03)

Overview of why trade occurs, pattern of trade and international factor movement. Effect of trade and trade policy on the economy. Current topics in trade theory.

Engl 1100. Variable Topics in Interpreting Literature.

(See specific topics for general education categories; 4 cr; repeatable when topic changes; offered when feasible) Introduction to the study of literature. Emphasis on gaining basic skills of analysis. Topics vary.

Engl 3131. The English Novel. (4 cr; prereq 1100, 2011; offered when feasible)

Study of the development of the English novel in the 18th and 19th centuries.

Fren 3011s. Reading and Analysis of Texts. (Hum; 4 cr; prereq 2002 or equiv or #)

Introduction to representative literary works of France and the French-speaking world. Development of ease in reading French; introduction to methods for analyzing its style and meanings.

Fren 3021f. Modern France. (IP; 4 cr; prereq 2002 or #; not offered 2001-02)

A study of the evolution of French culture from 1870 to the present as France developed into a modern, multicultural democracy.

Fren 3041s. Francophone Worlds. (IP; 4 cr; prereq 2002 or #; not offered 2002-03)

Readings in a variety of cultural and literary texts from among French-language writers of Africa, the Caribbean, North America, and Europe; study of issues of national identity, race, gender, and postcolonial consciousness.

Fren 3051f. French Literature I: Medieval and Early Modern France. (Hum; 4 cr; prereq 3011; not offered 2001-02)

A survey of French literature from the Middle Ages to the Enlightenment; a study of the successive ideals of feudalism, Renaissance knowledge and lyricism, classical reason and unreason, and the "Rights of Man."

Fren 3052f. French Literature II: Revolution, Romanticism, Modernity. (Hum; 4 cr; prereq 3011; not offered 2002-03)

A survey of French literature from the Enlightenment to the present: literature as the rewriting of the past and the discovery of the creative self.

Fren 4991. Independent Study in French Abroad. (IP; 4 cr; repeatable to 12 cr; prereq 3021 and # for study in France, 3041 and # for study in other French-speaking cultures)

Ger 3102f. Survey of German Literature and Culture II. (Hum; 4 cr; prereq 3011 or #)

Chronological study of German literature and its cultural background from 1830 to 1920. Selected representative works by Stifter, Buechner, Hebbel, Keller, Storm, Hauptmann, and Kaiser are read and analyzed.

Ger 3201s. German Classicism. (Hum; 4 cr; prereq 3101, 3102 or #; not offered 2002-03)

Readings in aesthetic theory and exemplary works by writers of the period. Texts by Goethe and Schiller are read and analyzed in conjunction with opera librettos based on their works. Videos of Donizetti's Mary Stuart and Verdi's Don Carlo.

Ger 3211s. German Romanticism. (Hum; 4 cr; prereq 3101, 3102 or #; not offered 2001-02)

Readings in Romantic theory and works by important authors of the period: Wackenroder, Tieck, Novalis, Eichendorff, and E.T.A. Hoffmann. Other art forms, such as music and painting supplement the literary discussions.

Division Structure and Course Descriptions

Ger 3300f.s. Variable Topics in German With English

Discussion. (IP; 4 cr; repeatable when topic changes; open to all students; does not count toward major or minor) Topics may be an in-depth study of one author or a specific period in German literature. Seminar discussions based on individual research. Readings and discussions are in English.

Ger 3601f. Studies in German Literature. (Hum; 4 cr; prereq 3011, #; not offered 2002-03)

Selected readings in German reflecting modern literary trends. The course examines the cultural politics in the evolution of the literature in the formerly divided Germany, using plays, novels, biography, and documentary reports. It deals with questions of literary theory, history, and sociopolitical structures.

Hist 3000. Variable Topics in History. (Hist; 4 cr; repeatable when topic changes; offered when feasible)

Study of a historical topic that transcends the traditional chronological or geographical categories. Possible topics include the history of historical writing, science, and Christianity.

Hist 3100f. Variable Topics in European History I. (Hist; 4 cr; repeatable when topic changes)

Political, social, intellectual, or economic history of Europe from the end of the Middle Ages to 1750. Possible topics include the Renaissance, the Reformation, royal absolutism, and the scientific revolution.

Hist 3150f. Variable Topics in European History II. (Hist; 4 cr; repeatable when topic changes)

Political, social, intellectual, or economic history of Europe from 1750 to the present. Possible topics include the fascist era, development of nationalism, World War I, World War II, and the era of the French Revolution and Napoleon.

Hist 3200f. Variable Topics in European National History. (Hist; 4 cr; repeatable when topic changes)

Political, social, intellectual, or economic history of selected European nations. Possible topics include Tudor and Stuart England, the English Civil War, modern Britain, modern France, imperial Russia, and Soviet Russia.

Hum 1000. Variable Topics. (See specific topics for general education categories; 4 cr; repeatable when topic changes; offered when feasible)

Opportunity to study a traditional literary or narrative form or an idea as it appears in a number of cultures. Topic to be announced.

Hum 1100. Variable Topics in Western World Literature.

(See specific topics for general education categories; 4 cr; repeatable when topic changes; offered when feasible) Emphasis on continental works in a single genre (e.g., the novel) or from a single international literary movement (e.g., romanticism or symbolism). Topic to be announced.

Hum 1300. Variable Topics in French Literature and Culture. (See specific topics for general education categories; 4 cr; repeatable when topic changes)

This course will be taught on a variety of topics such as modern French literature in translation and women authors in French. It will be offered as both a regular course and an honors course. Topic to be announced.

Hum 1451s. German Literature in Film. (IP; 4 cr; does not count toward German major or minor; not offered 2002-03)

Development of the German film as expressionistic art form. Film as text, film as history, film as aesthetic

expression. Film presentations are in German but with English subtitles in most cases. Readings and lectures are in English.

Mus 1041f.s. Introduction to Music. (FA; 4 cr)

Survey emphasizing development of an intelligent understanding and appreciation of music. For non-music majors.

Mus 3101f. Core Studies III: Medieval, Renaissance, and Baroque Music. (FA; 4 cr; prereq 1102)

Historical development of Western music and representative literature of the various periods and styles.

Pol 1401f. World Politics. (IP; 4 cr)

The contemporary international system, including nationalism, international political economy, foreign policy formulation, and global concerns such as the environment and conflict. North/South debate, definitions of power, the new world order, regional vs. global conflicts, and avenues of cooperation.

Pol 3301s. Contemporary Political Ideologies. (Hum; 4 cr; prereq 1101 or #)

Major currents of political theory from Marx to present: Marxism, socialism, syndicalism, anarchism, fascism, political ideologies of antidemocratic thought, and totalitarian regimes.

Pol 3352s. Variable Topics in Western Political Thought: Modern. (Hum; 4 cr; prereq 1101 or #)

Machiavelli; theories during the Renaissance, Reformation, and Counter-Reformation. Early modern absolutism, the emergence of modern contract theory, constitutionalism, liberalism, and utopianism.

Pol 3421f. International Organizations. (E/CR; 4 cr; prereq 1401 or #)

Origins of diplomacy and its role in maintaining communication among nations, including the recent and special role of international organizations. History of the practice of diplomacy, current bilateral diplomatic practices, and multilateral interactions as practiced through the United Nations and the League of Nations before it. Structure and functional agencies of the U.N. and role in international peacekeeping or collective security.

Pol 3452s. Variable Topics in International Relations: International Relations Theory. (IP; 4 cr; prereq 1401 or #; offered when feasible)

Theory and practice of contemporary international relations. Realism and idealism, national power, systems theory, integration theory, war and peace, conflict resolution, and the world government.

Pol 3500s. Variable Topics in Comparative Politics. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1101 or #)

In-depth analysis of major government systems from regions of the world other than Europe or issues in comparative public policy, e.g., comparing social welfare budgetary priority across nation-states.

Pol 3502f. Government and Politics of Europe. (SS; 4 cr; prereq 1101 or #; not offered 2001-02)

The comparative study of contemporary government and politics in Europe with special attention to the influence of economic, cultural, and other factors upon their formation. Comparative analysis of parties, bureaucracy, legislatures, and executives and of the way in which they reflect and contribute to the political life of the European peoples.

Span 3201f. Masterpieces of Spanish Peninsular**Literature I.** (Hum; 4 cr; prereq 3001, 3002, 3101)

Masterpieces from the Generation of 1898 and the Contemporary Period. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3202s. Masterpieces of Spanish Peninsular**Literature II.** (Hum; 4 cr; prereq 3201)

Masterpieces from Medieval, Renaissance, Golden Age, 18th century, and 19th century. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3500f. Variable Topics in Spanish Peninsular**Literature.** (Hum; 4 cr, repeatable when topic changes; prereq 3002, 3101)

Topic to be announced. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Spch 3411f. Intercultural Communication Theory and**Research.** (HDiv; 4 cr; prereq 2101 or #)

Study of intercultural communication from an interpersonal and group perspective.

Th 3000f. Variable Topics in Theatre Arts. (1-4 cr;

repeatable when topic changes; prereq #; offered when feasible)

Varying topics relating to theatre that are not ordinarily included in other theatre arts courses.

Th 3102s. World Theatre: History and Literature II. (Hist; 4 cr; prereq 1101, 3101)

Theatrical practice and dramatic literature from the late 17th century to the present, examining select Asian, African, and/or Western Hemisphere theatrical practice, as well as tracing the roots leading to, and influences on, current world theatre practice and dramatic literature.

Foreign Languages and Literatures

(See French [Fren], German [Ger], Russian [Russ], and Spanish [Span].)

UMM offers majors and minors in French, German, and Spanish. Some beginning courses in Russian also are offered. Study of foreign languages, culture, and literature may be undertaken for its own sake as part of a traditional liberal education. It is useful as well for preparation for teaching, graduate or professional work, and business careers.

French (Fren)

This discipline is in the Division of the Humanities. The French discipline gives students the language and analytic skills necessary to participate in the cultural life and appreciate the literary heritage of France and francophone countries throughout the world. French is an important language of diplomacy, commerce, health care, and research in many disciplines, such as music, art, linguistics, history, law, political science, anthropology, and philosophy.

Objectives—The French discipline is designed to teach skills necessary for communicating with a variety of French-speaking peoples and to introduce their rich cultures, including their ideas, institutions, and writings, past and present. It invites students to look at the impact these cultures have had on Western civilization and to examine all of them critically.

Major Requirements

Fren 2001—Intermediate French I

Fren 2002—Intermediate French II

Fren 3001—Conversation and Composition

Fren 3011—Reading and Analysis of Texts

Fren 3021—Modern France

a minimum of 16 additional credits from Fren courses at the 3xxx level or above

Courses with grades of D may not be used to meet the major requirements. Courses offered in English do not count toward the major. Students may count Fren 4991—Independent Study in French Abroad toward the major.

Minor Requirements

Fren 2001—Intermediate French I

Fren 2002—Intermediate French II

Fren 3001—Conversation and Composition

Fren 3011—Reading and Analysis of Texts

Fren 3021—Modern France

a minimum of 8 additional credits from Fren courses at the 3xxx level or above

Teacher Preparation Requirements

Students seeking teaching licensure in French K-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Fren 1001f. Beginning French I. (FL; 4 cr)

An introduction to oral and written French, its basic structure, and to French culture.

Fren 1002s. Beginning French II. (FL; 4 cr; prereq 1001 or placement or #)

Continuation of 1001.

Division Structure and Course Descriptions

Fren 1021. French Language and Culture in Paris I. (FL; 4 cr)

Four weeks of intensive beginning French language and culture in Paris, guided visits to cultural and historical sites.

Fren 1021H. Honors: French Language and Culture in Paris I. (FL; 4 cr; prereq # for students not in Honors Program)

Four weeks of intensive beginning French language and culture in Paris, guided visits to cultural and historical sites.

Fren 1302s. French Cinema. (IP; 4 cr)

Same as Hum 1302. History of filmmaking in France from the Lumière brothers to the present; introduction to major trends in film theory. All films have English subtitles. Taught in English.

Fren 1302Hs. Honors: French Cinema. (IP; 4 cr; prereq # for students not in Honors Program)

Same as Hum 1302H. History of filmmaking in France from the Lumière brothers to the present; introduction to major trends in film theory. All films have English subtitles. Taught in English.

Fren 2001f. Intermediate French I. (IP; 4 cr; prereq 1002 or placement or #)

Review of the essential structural patterns of the French language; continued development of oral, aural, reading, and writing skills based on cultural and literary texts appropriate to this level.

Fren 2002s. Intermediate French II. (IP; 4 cr; prereq 2001 or placement or #)

Review of the essential structural patterns of the French language; continued development of oral, aural, reading, and writing skills based on cultural and literary texts appropriate to this level.

Fren 3001f. Conversation and Composition. (IP; 4 cr; prereq 2002 or placement or #)

Conversation, including work on sounds and sound patterns as well as vocabulary building and practice based on common situations; writing skills; and advanced grammar review.

Fren 3011s. Reading and Analysis of Texts. (Hum; 4 cr; prereq 2002 or equiv or #)

Introduction to representative literary works of France and the French-speaking world. Development of ease in reading French; introduction to methods for analyzing its style and meanings.

Fren 3012. French Play. (ArtP; 2 cr; prereq 2001 or #; offered when feasible)

Reading, study, and presentation of a short contemporary play. Enhances fluency and familiarity with the modern French idiom.

Fren 3021f. Modern France. (IP; 4 cr; prereq 2002 or #; not offered 2001-02)

A study of the evolution of French culture from 1870 to the present as France developed into a modern, multicultural democracy.

Fren 3031f. Backgrounds to Modern France. (Hist; 4 cr; prereq 2002 or #; not offered 2002-03)

This course traces the history of French culture from the Middle Ages until 1870; it examines the geography, language, and institutions of medieval and early modern France.

Fren 3041s. Francophone Worlds. (IP; 4 cr; prereq 2002 or #; not offered 2002-03)

Readings in a variety of cultural and literary texts from among French-language writers of Africa, the Caribbean, North America, and Europe; study of issues of national identity, race, gender, and postcolonial consciousness.

Fren 3051f. French Literature I: Medieval and Early Modern France. (Hum; 4 cr; prereq 3011; not offered 2001-02)

A survey of French literature from the Middle Ages to the Enlightenment; a study of the successive ideals of feudalism, Renaissance knowledge and lyricism, classical reason and unreason, and the "Rights of Man."

Fren 3052f. French Literature II: Revolution, Romanticism, Modernity. (Hum; 4 cr; prereq 3011; not offered 2002-03)

A survey of French literature from the Enlightenment to the present: literature as the rewriting of the past and the discovery of the creative self.

Fren 3060. French Language and Culture in Paris II. (IP; 4 cr; repeatable to 8 cr; prereq 1002)

Four weeks of intermediate or advanced French language study at the Sorbonne, Paris IV; guided visits to cultural and historical sites.

Fren 3060H. Honors: French Language and Culture in Paris II. (IP; 4 cr; repeatable to 8 cr; prereq 1002, # for students not in Honors Program)

Four weeks of intermediate or advanced French language study at the Sorbonne, Paris IV; guided visits to cultural and historical sites.

Fren 4011s. Creative Writing and Translation. (Hum; 4 cr; prereq 2002 or equiv or #; offered when feasible)

Written French styles from the inside out. How to create effects in French; how to convey in French those you read in English. Work on texts by well-known French and English authors and, especially, your own original work.

Fren 4021f. Readers' Theatre. (Hum; 4 cr; prereq 2002 or equiv or #; offered when feasible)

Improvisation on themes and situations. The study of texts of France and other French-speaking countries suitable for oral interpretation, and the preparation of a program.

Fren 4100f.s. Variable Topics in French. (Hum; 4 cr; repeatable when topic changes; prereq 2002 or equiv or #; offered when feasible)

Topics in the language, culture, or literature of France or other French-speaking peoples. Topics to be announced.

Fren 4200f. French Practicum. (1 cr; repeatable to 4 cr; prereq #)

The practical application of the four skills of speaking, listening, reading, and writing in French through a series of projects.

Fren 4210. French Culture on Computer. (Hum; 2-6 cr; repeatable to 6 cr; prereq #; offered when feasible)

An independent in-depth study via computer of a particular period of French culture, including the political history, art, architecture, social life, education, and literature, from the Middle Ages to the 20th century.

Fren 4991. Independent Study in French Abroad. (IP; 4 cr; repeatable to 12 cr; prereq 3021 and # for study in France, 3041 and # for study in other French-speaking cultures)

Fren 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Fren 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Geography (Geog)

This discipline is in the Division of the Social Sciences.

Objectives—Geography courses focus on basic concepts of the field and deal with both societal relationships and the physical environment. Either Geog 1001 or 3111 satisfies the geography requirement for students seeking secondary school teaching licensure in the social sciences.

Course Descriptions

Geog 1001s. Problems in Geography. (Env; 4 cr; offered when feasible)

Basic concepts and questions of geography. The terminology of geography; some modern trends in geography; interpretation of geographical data; select problems of human, physical, economic, and cultural geography.

Geog 3111. Geography of Minnesota. (Env; 4 cr; prereq #; offered when feasible)

The changing geography of Minnesota and the upper Midwest. Legacy from the railroad era, transformation into the auto-air age, the emerging future.

Geology (Geol)

This discipline is in the Division of Science and Mathematics. Geology currently offers courses that satisfy a variety of requirements as well as a curriculum leading to a bachelor of arts degree in geology.

Objectives—The geology curriculum serves those interested in a broader knowledge of their natural environment and the geological sciences as part of their liberal arts education; provides a firm foundation in geology, related sciences, and mathematics for students interested in the investigation and solution of geologic problems; prepares students for graduate study in the geosciences and related areas; provides the necessary background in earth science for those who plan to teach in this field at the secondary level; and serves those in other professional or interdisciplinary programs who need geology as a related subject.

Major Requirements

Geol 1101—Physical Geology
Geol 2051—Field and Research Methods in Geology I

Geol 2101—Mineralogy and Crystallography
Geol 2111—Petrology and Petrography
Geol 2121—Sedimentology and Stratigraphy
Geol 3051—Field and Research Methods in Geology II

Geol 3101—Structural Geology
Geol 3196—Geology Field Camp
Geol 4901—Geology Senior Seminar
Geol 4902—Geology Senior Seminar Presentations
8 additional credits in Geol courses at 2xxx or above
Chem 1101—General Chemistry I
Chem 1102—General Chemistry II
or Chem 1102H—Honors: General Chemistry II
Math 1101—Calculus I

a minimum of 7 credits, chosen through consultation with a geology adviser, from appropriate natural science, biology, computer science, physics, chemistry, mathematics, or statistics courses

Up to 8 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B.

Graduate studies in the geological sciences:

Geol 1121—Historical Geology: Earth History and Changing Scientific Perspectives

Geol 3101—Structural Geology

Math 1102—Calculus II

CSci 1301—Problem Solving and Algorithm Development I

Phys 1101—General Physics I

are necessary for students planning to pursue graduate studies in the geological sciences.

Minor Requirements

Geol 1101—Physical Geology
Geol 2051—Field and Research Methods in Geology I

Geol 2101—Mineralogy and Crystallography
Geol 2111—Igneous and Metamorphic Petrology
Geol 2121—Sedimentology and Stratigraphy
Geol 3051—Field and Research Methods in Geology II

Chem 1101—General Chemistry I

Chem 1102—General Chemistry II

or Chem 1102H—Honors: General Chemistry II

4 additional credits in Geol courses numbered 1121 or above; a maximum of 3 credits of directed study may be used to satisfy elective requirements

Up to 8 credits of coursework with a grade of D may be used to meet the minor requirements if offset by an equivalent number of credits of A or B.

Division Structure and Course Descriptions

Teacher Preparation Requirements

Students seeking teaching licensure in earth and space science 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Geol 1001s. Environmental Geology: Geology in Daily Life. (Sci; 4 cr; may not count toward geol major or minor) Effects of volcanoes, earthquakes, and floods on humans and civilization; geologic problems associated with rural and urban building, waste management, and waste disposal; the importance of geologic knowledge in the discovery of fossil fuels and mineral resources. (4 hrs lect)

Geol 1011f. Geology of the National Parks. (Sci; 4 cr; may not count toward geol major or minor; not offered 2001-02) Exploration of the fundamental aspects of the geosciences: earth materials, geologic time, plate tectonics, and the evolution of landscapes by examining the geology and geologic history of the U.S. national parks. (4 hrs lect)

Geol 1012f. Oceanography. (Sci; 4 cr; may not count toward geol major or minor; not offered 2002-03) Physiography and geological evolution of ocean basins; marine sedimentation; coastal processes and environments; chemical evolution, and chemical and physical properties of seawater; ocean-atmosphere interactions; deep-ocean circulation; waves and tides; marine ecosystems. (4 hrs lect)

Geol 1101f.s. Physical Geology. (Sci-L; 4 cr) Introduction to the materials that make up the Earth and the structures, surface features, and geologic processes involved in its origin and development. Lab work includes study of the major constituents of the Earth's crust, including the important rocks and minerals; study of surface and geologic features using aerial photographs, topographic maps, and satellite imagery. (3 hrs lect, 3 hrs lab)

Geol 1101Hf. Honors: Physical Geology. (Sci-L; 4 cr; prereq # for students not in Honors Program; not offered 2001-02) Introduction to planet Earth and the surface features, structures, and physical and chemical processes involved in its origin and development. Lab work focuses on study of the major constituents of the Earth's crust, including the important rocks and minerals; study and interpretation of surface and geologic features using aerial photographs, topographic maps, and satellite imagery; modeling, analysis, and interpretation of geological processes and data. (3 hrs lect, 3 hrs lab and discussion, 1-day field trip)

Geol 1121s. Historical Geology: Earth History and Changing Scientific Perspectives. (Sci-L; 4 cr) Development of fundamental theories and principles of geology, including stratigraphy, uniformitarianism, geologic time, evolution, and plate tectonics. Emphasis on how geological thought has evolved through time as the scientific, religious, and political climate has changed. Discussion of the Earth's history and science's changing views of the Earth; continental movements, mountain building, and the evolution and development of organisms and ecosystems. Lab experience on methods of interpreting Earth's history from rocks, fossils, and structures and solving geological problems. (3 hrs lect, 3 hrs lab)

Geol 2051f. Field and Research Methods in Geology I. (Sci-L; 2 cr; prereq 1101 or 1101H, ¶2101) Introduction to geologic research methods and field techniques; use of library resources; geological field methods, geologic sampling, fundamentals of mapping and data collecting using Brunton compass and Global Positioning System (GPS) techniques. (2 hrs lect., 2 hrs lab)

Geol 2101f. Mineralogy and Crystallography. (Sci-L; 4 cr; prereq 1101 or 1101H, Chem 1101 or #) Classification, identification, physical and chemical properties, origin and natural occurrence of major mineral groups. Lab study of crystal systems by use of models; introduction to optical aspects and physical and chemical testing. (3 hrs lect, 6 hrs lab and field trips)

Geol 2111s. Igneous and Metamorphic Petrology. (Sci-L; 4 cr; prereq 2101) Classification, composition, genesis, and natural occurrence of igneous and metamorphic rocks; lab study and identification of rocks by various macroscopic, microscopic, and chemical means. (3 hrs lect, 6 hrs lab and field trips)

Geol 2121f. Sedimentology and Stratigraphy. (Sci-L; 4 cr; prereq 2101) Processes of sedimentation, including origin, transportation, and deposition of sediments; interpretation of sedimentary environments. Principles of stratigraphy and their applications. Lab work includes sedimentary particle analysis; stratigraphic sections; and interpretation of ancient sedimentary environments based on stratified sequences of sedimentary rock. (3 hrs lect, 3 hrs lab and field trips)

Geol 2131f. Geomorphology. (Sci; 4 cr; prereq 1101 or 1101H; not offered 2002-03) Study of the Earth's surface and surficial processes; weathering, erosion, and deposition, and the resulting landforms and products; the history of the study of landforms in the United States. (3 hrs lect, 3 hrs lab and field trips)

Geol 2141f. Glacial and Quaternary Geology. (Sci; 4 cr; prereq 1101 or 1101H; not offered 2001-02) Glaciers, glaciology, glacial deposition, glacial erosion; climatic change and the growth and advance of ice sheets; effect of glaciations on flora and fauna. (3 hrs lect, 3 hrs lab and field trips)

Geol 3000f.s. Variable Advanced Topics in Geology. (Sci; 4 cr; repeatable when topic changes; prereq #) Lecture or lecture and lab treatment of topics not included in the regular curriculum. Possible topics include economic geology and global tectonics.

Geol 3051f. Field and Research Methods in Geology II. (Sci-L; 2 cr; prereq 2111; ¶2121) Further introduction to geologic research methods and field techniques; advanced techniques of field mapping and data collecting interpretation of topographic and geologic maps and aerial photographs; preparation of geological reports, maps and cross section; application of Geographic Information System (GIS) techniques. (2 hrs lect, 2 hrs lab)

Geol 3101s. Structural Geology. (Sci-L; 4 cr; prereq 2111 or #) Elementary concepts of stress and strain, theory of rock deformation; description and classification of structures in the Earth's crust; application of geometric, analytical, and map interpretation techniques to solving structural problems; field mapping problems. (3 hrs lect, 3 hrs lab and field trips)

Geol 3111s. Introduction to Invertebrate Paleontology.

(Sci-L; 4 cr; prereq 1121 or #; not offered 2002-03)
Morphology and evolutionary record of the major invertebrate groups characterized by significant fossil representation. Principles of evolution, paleoecology, and paleoenvironmental interpretations of fossil assemblages. (3 hrs lect, 3 hrs lab)

Geol 3196. Geology Field Camp. (Sci; 6 cr; prereq 1121, 2121, 3101)

Identification and solution of geological problems in the field, including stratigraphic correlation, construction of cross sections and geologic maps, report preparation, field mapping, structural analysis, and environmental interpretation of Precambrian and Paleozoic rock units. Offered only during summer at a 6-week residential camp.

Geol 3401f. Geophysics. (Sci; 4 cr; prereq Math 1101, Phys 1101 or #; not offered 2002-03)

Propagation of seismic waves, earthquake seismology, and the structure of the Earth; the origin and nature of the Earth's magnetic and gravitational fields; the Earth's internal production and flow of heat; composition, state, and rheology of the Earth's interior; plate tectonics and elementary geodynamics. (4 hrs lect)

Geol 3411s. Advanced Stratigraphy: Subsurface

Methods. (Sci; 4 cr; prereq 1101 or 1101H, 2121 and #; not offered 2002-03)

Techniques and methods of investigating subsurface geologic and stratigraphic features. Includes a discussion of drilling methods, subsurface mapping methods, and techniques for interpreting subsurface geologic trends. (2 hrs lect, 4 hrs lab)

Geol 3421s. Airphoto Interpretation. (Sci; 4 cr; prereq 1101 or 1101H and #; not offered 2001-02)

Interpretation of geologic landforms, cultural features, and vegetative patterns as viewed from aerial photographs. Geologic features studied include volcanic, mass wasting, and glacial flow features; coastal and fluvial features; groundwater solution features; and structural features. (2 hrs lect, 4 hrs lab)

Geol 3501f. Hydrology. (Sci; 4 cr; prereq Math 1101 or #)

Elements of surface water hydrology; groundwater occurrence and aquifer characteristics; groundwater flow mechanics and flow nets; well hydraulics; groundwater contamination, contaminant transport, and remediation; management and legal aspects of water resources. (4 hrs lecture)

Geol 3601f. Introduction to Geochemistry. (Sci; 4 cr; prereq Chem 1101, #; not offered 2001-02)

Applying chemistry to geologic problems such as weathering, sedimentary processes and diagenesis, formation of evaporites and ore deposits, magma genesis and magmatic differentiation; thermodynamic functions and the Phase Rule; oxidation potential and Eh-pH diagrams; isotopic geochemistry and geochronology. (3 hrs lect)

Geol 4120s. Advanced Sedimentology: Depositional Systems. (Sci; 4 cr; repeatable to 8 cr; prereq 2121; not offered 2001-02)

In-depth investigation of selected depositional environments and recognition of specific depositional sequences through time. (4 hrs lect, 2 hrs lab)

Geol 4130s. Advanced Geomorphology. (Sci; 4 cr; repeatable to 8 cr; prereq 2131; not offered 2002-03)

Surficial processes and the resulting landforms; may include catastrophic events, large lakes, arid regions geomorphology or the evolution of the Badlands. (3 hrs lect, 3 hrs lab and field trips)

Geol 4140f. Advanced Glacial and Quaternary Geology. (Sci; 4 cr; repeatable to 8 cr; prereq 2141; not offered 2002-03)

Glacial geology and glacial history; may include pre-pleistocene glaciations, quaternary stratigraphy, or subglacial processes. (3 hrs lect, 3 hrs lab and field trips)

Geol 4901f. Geology Senior Seminar. (1 cr; required for geol major; prereq #)

Capstone experience in geology. Discussion of selected topics of geologic interest.

Geol 4902s. Geology Senior Seminar Presentations. (1 cr; required for geol major; prereq #)

Capstone experience in geology. Presentations of research projects.

Geol 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)**Geol 4994f,s. Senior Honors Project.** (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Continuing Education Courses

Geol 2301. CE: Geology of Minnesota. (Sci-L; 4 cr; offered summers as feasible)

Active, hands-on learning both in class and on class field trips to selected localities throughout the state. Field trips include: Pipestone National Monument; glacial geology of west-central Minnesota; geology of the Minnesota River Valley; basalts of Taylors Falls/ Interstate State Park; Minnesota's Iron Ranges; Isle Royale National Park.

German (Ger)

This discipline is in the Division of the Humanities. The purpose of the German curriculum is to introduce students to the language, literature, and culture of German-speaking countries. The courses are designed to promote a global perspective by encouraging students to take a close look at another culture and in this way become aware of both the diversity and similarity among all people. The courses satisfy general education and major/minor requirements and prepare students for teaching or graduate study.

Objectives—Students develop a number of skills in German, including comprehension and speaking, reading and writing, in order to communicate effectively in German about everyday situations, literature, and culture. On all levels, students gain an awareness of the structure of languages and facility with the German idiom, enabling them to read and write

Division Structure and Course Descriptions

reports and papers. In literature seminars, students learn aesthetic appreciation through the interpretation of texts and to organize their thoughts for effective argumentation. Many German courses give students an interdisciplinary perspective, using history, art, architecture, music, and film. Cultural immersion abroad increases fluency and proficiency. The German program prepares its graduates for careers in teaching, business, political science, medicine, music, psychology, philosophy, and law.

Major Requirements

Ger 2001—Intermediate German I

Ger 2002—Intermediate German II

Ger 3001—Beginning German Conversation and Composition

Ger 3011—Readings in German

Ger 3021—Advanced German Conversation and Composition

Ger 3101—Survey of German Literature and Culture I

Ger 3102—Survey of German Literature and Culture II

Ger 3201—German Classicism

or Ger 3211—German Romanticism

two additional elective 3xxx courses (4 credits each) in German

Courses with grades of D may not be used to meet the major requirements.

Minor Requirements

Ger 2001—Intermediate German I

Ger 2002—Intermediate German II

Ger 3001—Beginning German Conversation and Composition

Ger 3011—Readings in German

Ger 3021—Advanced German Conversation and Composition

Ger 3101—Survey of German Literature and Culture I

Ger 3102—Survey of German Literature and Culture II

one additional elective 3xxx course (4 credits each) in German

Courses with grades of D may not be used to meet the minor requirements.

Teacher Preparation Requirements

Students seeking teaching licensure in German K-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Study in Austria and Germany—Students interested in a foreign study experience may spend a semester or a full year in Berlin (Humboldt University), Vienna (Center for Central European Studies), or Freiburg (University of Freiburg) through the Institute of European Studies. Language prerequisites vary for individual programs. Internships are

available in all of them. Through the Global Campus, students may also participate in bilateral exchanges to Austria with Karl Franzens University in Graz and with the University of Salzburg.

Course Descriptions

Ger 1001f. Beginning German I. (FL; 4 cr)

Introduction to German as it is spoken and written presently. The course acquaints students with the basic sounds, structures, and vocabulary of German and enables them to understand, read, and write the language and to communicate in German about everyday situations. It makes them aware of the relationship between culture and language.

Ger 1002s. Beginning German II. (FL; 4 cr; prereq 1001 or placement or #)

Continuation of 1001.

Ger 2001f. Intermediate German I. (IP; 4 cr; prereq 1002 or placement or #)

The skills of listening, reading, and writing are enforced through grammar review and discussion of modern texts.

Ger 2002s. Intermediate German II: German Culture and Civilization. (IP; 4 cr; prereq 2001 or #)

A variety of readings in German to examine the historical and contemporary aspects of the culture of German-speaking countries. Students give oral reports and write papers about art, architecture, literature, philosophy, or music. They keep a journal of visits to sites on the World Wide Web relevant to topics such as geography, history, and culture.

Ger 3001f. Beginning German Conversation and Composition I. (IP; 4 cr; prereq 1002 or #)

This course builds on grammar and structure learned in the beginning sequence. Students engage in discussions about daily activities and topics of their interest. Models for writing and speaking are provided in the form of short stories, newspaper articles, and literary excerpts. Visual materials serve as points of departure for conversation and composition.

Ger 3011f. Readings in German. (IP; 4 cr; prereq 2002 or #)

Students read and analyze modern texts in order to advance their ability to comprehend and discuss various literary styles. This course is a prerequisite for more advanced courses in the major and minor.

Ger 3021s. Advanced German Conversation and Composition. (IP; 4 cr; prereq 3001, 3011 or #)

This course helps advanced-intermediate and advanced students learn to speak and write more precisely, idiomatically, and accurately. It is a refinement and extension of language skills through consideration of contemporary issues in newspapers, magazines, and literary readings.

Ger 3031. German Play. (ArTP; 4 cr; prereq 2001 or #; offered when feasible)

Reading, study, and presentation of a short contemporary play. Enhances fluency and familiarity with the modern German idiom.

Ger 3101s. Survey of German Literature and Culture I. (Hum; 4 cr; prereq 3011 or #)

This course consists of a chronological study of German literature and its cultural background from the early beginnings through the early 19th century. Selected representative works are read and analyzed.

Ger 3102f. Survey of German Literature and Culture II.

(Hum; 4 cr; prereq 3011 or #)

Chronological study of German literature and its cultural background from 1830 to 1920. Selected representative works by Stifter, Buechner, Hebbel, Keller, Storm, Hauptmann, and Kaiser are read and analyzed.

Ger 3201s. German Classicism. (Hum; 4 cr; prereq 3101, 3102 or #; not offered 2002-03)

Readings in aesthetic theory and exemplary works by writers of the period. Texts by Goethe and Schiller are read and analyzed in conjunction with opera librettos based on their works. Videos of Donizetti's Mary Stuart and Verdi's Don Carlo.

Ger 3211s. German Romanticism. (Hum; 4 cr; prereq 3101, 3102 or #; not offered 2001-02)

Readings in Romantic theory and works by important authors of the period: Wackenroder, Tieck, Novalis, Eichendorff, and E.T.A. Hoffmann. Other art forms, such as music and painting supplement the literary discussions.

Ger 3221s. Studies in German Drama. (Hum; 4 cr; prereq 3011 or #; not offered 2001-02)

Selected works by contemporary German, Austrian, and Swiss playwrights: Brecht, Duerrenmatt, Frisch, Handke, Horvath, and Hacks.

Ger 3300f.s. Variable Topics in German With English Discussion. (IP; 4 cr; repeatable when topic changes; open to all students; does not count toward major or minor) Topics may be an in-depth study of one author or a specific period in German literature. Seminar discussions based on individual research. Readings and discussions are in English.

Ger 3400f.s. Variable Topics in German With German Discussion. (IP; 4 cr; repeatable when topic changes; prereq 3101, 3102 or #; offered when needed)

Same content as 3300, except readings and discussions are in German. However, for study abroad, advanced students in German complete an in-depth project in an area of their interest. This may consist of a number of papers and/or a journal. These students should discuss their topic in advance with the instructor.

Ger 3501s. Women's Issues in Contemporary German Culture. (IP; 4 cr; prereq 3101 or 3102 or #; not offered 2002-03)

Focus is on the German women's movement during the twentieth century, historical relationship of gender and class, and lives of women from various ethnic backgrounds in Germany and Austria. Short stories, essays, and poems document the evolution of feminist literary theory in German studies.

Ger 3601f. Studies in German Literature. (Hum; 4 cr; prereq 3011, #; not offered 2002-03)

Selected readings in German reflecting modern literary trends. The course examines the cultural politics in the involvement of the literature in the formerly divided Germany, using plays, novels, biography, and documentary reports. It deals with questions of literary theory, history, and sociopolitical structures.

Ger 3611f. Studies in Austrian Literature. (Hum; 4 cr; prereq 3011 or #; not offered 2001-02)

Selected readings in Austrian literature from 1875 to 1925, including Marie von Ebner-Eschenbach, Rainer Maria Rilke, Arthur Schnitzler, and Hugo von Hofmannsthal. Historical background for the period through Brigitte Hamann's biography of Empress

Elisabeth and the modern musical Elisabeth, as well as the operetta Die Fledermaus and Istvan Szabo's film Oberst Redl.

Ger 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr per sem; prereq #)**Ger 4994f,s. Senior Honors Project.** (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

History (Hist)

This discipline is in the Division of the Social Sciences.

Objectives—The history curriculum is designed to introduce students to the study of the human past. Students majoring in history learn to approach decision-making with an awareness of a broad range of choices; learn to think critically and communicate their ideas effectively; integrate their academic study with their intellectual and moral maturation; understand the construction of historical knowledge; and learn how to learn. The curriculum emphasizes the role of the student as an active learner and encourages individualized learning experiences, including those outside of established coursework, and the development of close working relationships between students and faculty.

Major Requirements

A demonstrated familiarity with a range of historical periods and cultures sufficiently broad to allow meaningful exploration of "alternative communities" in time and place and to develop an empathy with alternative solutions to life's problems.

A demonstrated ability to critically analyze, interpret, and synthesize various types of historical materials, which need not be limited to written documents.

A demonstrated awareness of how the pursuit of a knowledge of history reflects the student's own quest for personal and intellectual growth and how that pursuit in turn shapes the student's growth. In addition, an awareness of the way a society's search for historical explanations relates to that society's ideals, circumstances, and practices.

A demonstrated ability to initiate and develop a course of historical inquiry.

Hist 1101—Introduction to World History to 1500
or Hist 1102—Introduction to World History Since 1500

Hist 4110-4120—Tutorial in History
28 additional credits in Hist courses

Division Structure and Course Descriptions

Courses with grades of D may not be used to meet the major requirements.

The student must submit a file of materials to present evidence of meeting the first four requirements stated above. The file need not be limited to materials produced in history courses.

1. At least three semesters before graduation, the student and adviser assess progress toward the major and, consulting with the remainder of the history faculty, determine work that remains to complete the major.
2. The student selects the materials for the file; the file is available only to the student, the history faculty, and persons designated by the student. The materials, as well as comments by faculty who have evaluated them, are to be placed in the file as they are completed.
3. The file need not be limited to written materials but may include, for example, multimedia presentation materials or tape recordings of oral presentations. Written materials may include research papers, book reviews, essays, project reports, and similar work.
4. The file must include a description of the plan of study and a description of the student's progress in the major. The student is responsible for developing a plan of study in conjunction with an adviser from the history faculty. Together they periodically assess the student's progress.

Minor Requirements

Minor requirements include Hist 1101 or 1102 and four additional courses of which at least three are at the 2xxx level or higher. There should be evidence of work in at least two geographic areas, with at least one of these in a non-Western area.

Teacher Preparation Requirements

Students seeking teaching licensure in social studies 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Hist 1101f. Introduction to World History to 1500. (Hist; 4 cr)
Methods, themes, and problems in the study of world history to 1500.

Hist 1102s. Introduction to World History Since 1500. (Hist; 4 cr)
Methods, themes, and problems in the study of world history since 1500.

Hist 1301f. Introduction to U.S. History. (Hist; 4 cr)
Methods, themes, and problems in the study of the history of the United States.

Hist 1501s. Introduction to Asian Civilization. (IP; 4 cr)
History of major civilizations of Asia to the present.

Hist 1601s. Latin American History: A Basic Introduction. (IP; 4 cr)
Methods, themes, and problems in the study of Latin American history.

Hist 2301f. American Indians and the United States: A History. (HDiv; 4 cr; offered when feasible)
The experience of the original Americans and their interaction with later immigrants.

Hist 2311f. African American History. (HDiv; 4 cr; offered when feasible)
The African American experience in historical perspective: African origins, experiences in slavery, struggles for freedom and equality, economic and cultural development.

Hist 3000. Variable Topics in History. (Hist; 4 cr; repeatable when topic changes; offered when feasible)
Study of a historical topic that transcends the traditional chronological or geographical categories. Possible topics include the history of historical writing, science, and Christianity.

Hist 3001f. Families Through the Prism of Memory, Genealogy, and History. (Hist; 4 cr)

Hist 3002f. Military Strategy. (Hist; 4 cr; offered when feasible)

Hist 3003s. World War I. (Hist; 4 cr; offered when feasible)

Hist 3100f. Variable Topics in European History I. (Hist; 4 cr; repeatable when topic changes)
Political, social, intellectual, or economic history of Europe from the end of the Middle Ages to 1750. Possible topics include the Renaissance, the Reformation, royal absolutism, and the scientific revolution.

Hist 3150f. Variable Topics in European History II. (Hist; 4 cr; repeatable when topic changes)
Political, social, intellectual, or economic history of Europe from 1750 to the present. Possible topics include the fascist era, development of nationalism, World War I, World War II, and the era of the French Revolution and Napoleon.

Hist 3151f. Modern Europe. (Hist; 4 cr)

Hist 3152. Modern Middle East from Imperialism to Independence, 1876-1948. (Hist; 4 cr)

Hist 3152H. Honors: Modern Middle East, Imperialism to Independence, 1876-1948. (Hist; 4 cr; prereq # for students not in Honors Program)
Examination of the diplomatic, political, economic, social, and cultural forces that shaped the emerging nation-states in the Middle East.

Hist 3200f. Variable Topics in European National History. (Hist; 4 cr; repeatable when topic changes)
Political, social, intellectual, or economic history of selected European nations. Possible topics include Tudor and Stuart England, the English Civil War, modern Britain, modern France, imperial Russia, and Soviet Russia.

Hist 3202f. Russian Revolution. (Hist; 4 cr)

Hist 3300. Variable Topics in Colonial and U.S. History Before 1860. (See specific topics for general education categories; 4 cr; repeatable when topic changes)
Possible topics include societies of colonial America, the creation of the American Republic, race and culture in early America, and slavery.

Hist 3301f. Red, White, and Black: Race and Culture in Early America. (HDiv; 4 cr)

Hist 3350. Variable Topics in U.S. History Since 1860. (See specific topics for general education categories; 4 cr)

repeatable when topic changes)

Possible topics include the Civil War era, America industrialization, World War II, the American presidency in the 20th-century, and the 1960s.

Hist 3351f. The U.S. Presidency Since 1900. (SS; 4 cr; not offered 2002-03)

Hist 3352s. The U.S. 1960s. (Hist; 4 cr)

Hist 3353s. World War II. (Hist; 4 cr; offered when feasible)

Hist 3357. African American History Since 1865.

(HDiv; 4 cr)

The African-American experience in historical perspective: the emancipation era; struggles for freedom and equality after slavery; cultural, economic, political and social development in an industrial and post-industrial society.

Hist 3450s. Variable Topics in U.S. History. (See specific topics for general education categories; 4 cr; repeatable when topic changes)

Possible topics include the history of American immigration, education, race relations in the United States, and studies in American biography.

Hist 3451s. Facing West. (HDiv; 4 cr)

Hist 3452. Minnesota History. (Hist; 4 cr)

Hist 3452H. Honors: Minnesota History. (Hist; 4 cr; prereq # for students not in Honors Program)

Examination of the social, cultural and political history of Minnesota; emphasis on ethnicity, political radicalism and rural life. The honors section will emphasize intensive reading and discussion; and will require the completion of a major research paper utilizing primary sources.

Hist 3455. Immigration. (Hist; 4 cr)

American immigration history from the colonial period to the present.

Hist 3500. Variable Topics in Modern Asian History. (IP; 4 cr; repeatable when topic changes; offered when feasible)

Examines a selected topic in the political, social, intellectual, or economic history of modern Asia.

Hist 3550f. Variable Topics in Asian National History. (IP; 4 cr; repeatable when topic changes)

Topics in the history of selected Asian nations.

Hist 3600f. Variable Topics in Latin American History.

(IP; 4 cr; repeatable when topic changes)

Political, economic, social, cultural, and national history of Latin America. Possible topics include Cuban or Mexican revolutions, dependence and underdevelopment, great books on Latin America, and Brazil.

Hist 3601f. Great Books. (IP; 4 cr)

Hist 3700. Variable Topics in the History of Women. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1001 or 1002 or 1201 and WoSt 1101)

Possible topics include a historical study of women and religion, a historical study of thought about American women, a cross-cultural study of the history of women.

Hist 3701s. Women and Religion: A History. (SS; 4 cr; prereq 1001 or 1002 or 1201 and WoSt 1101)

A historical discussion of women in non-Western and Western religions.

Hist 3702f. The History of Women in the West. (HDiv; 4 cr; prereq WoSt 1101 or Hist 1101, Hist 1102, Hist 1301; offered when feasible)

Focuses on the intellectual as well as political, social, and economic history of pre-European, western European, and American women.

Hist 3703s. 20th-Century European Women. (Hist; 4 cr; prereq WoSt 1101, Hist 1101 or Hist 1102 or Hist 1201)

Hist 4110-4120f,s. Tutorial in History. (1 cr-4110, 4 cr-4120; no credit for 4110 until 4120 completed; repeatable to 10 cr; prereq history major or #)

A culminating historical research experience. Students should register for 4110 before 4120.

Hist 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Hist 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Honors Program

(See Academic Information section for detailed program requirements and a sample course list.)

Humanities (Hum)

This interdisciplinary group of courses is in the Division of the Humanities.

Objectives—Humanities courses are designed to introduce students to their cultural heritage.

This interdisciplinary area explores the literatures and other art forms of the world.

Advanced courses in the Division of the Humanities supplement the introductory courses.

Course Descriptions

Hum 1000. Variable Topics. (See specific topics for general education categories; 4 cr; repeatable when topic changes; offered when feasible)

Opportunity to study a traditional literary or narrative form or an idea as it appears in a number of cultures. Topic to be announced.

Hum 1001f. Contesting Visions of the American West. (HDiv; 4 cr; offered when feasible)

Examines literary and cultural representations of the American West from a range of perspectives, including those of Asian and European immigrants, explorers, and Native Americans.

Hum 1002. Icelandic Saga. (4 cr)

Hum 1050. Variable Topics in Classics in Translation. (See specific topics for general education categories; 4 cr; repeatable when topic changes; offered when feasible)

Study of selected Greek and Roman texts as works of literature, reflections of a civilization, and influences on Western culture. Topic to be announced.

Division Structure and Course Descriptions

Hum 1051s. Greek Drama. (Hum; 4 cr; offered when feasible)
Study of Greek drama.

Hum 1100. Variable Topics in Western World Literature. (See specific topics for general education categories; 4 cr; repeatable when topic changes; offered when feasible)
Emphasis on continental works in a single genre (e.g., the novel) or from a single international literary movement (e.g., romanticism or symbolism). Topic to be announced.

Hum 1101f. The European Novel. (Hum; 4 cr; offered when feasible)
Readings in major continental novelists of the 19th and 20th centuries.

Hum 1150. Variable Topics in Non-Western World Literature. (IP; 4 cr; some topics may be offered as honors courses; repeatable when topic changes; offered when feasible)
Study of non-Western literature. Courses may emphasize a single genre (e.g., the novel), a literary movement (e.g., postmodernism), or an idea (e.g., nationalism) as it appears in a number of cultures, or may focus on the literary works of a particular non-Western culture (e.g., Middle Eastern, West African, or Native American). Topic to be announced.

Hum 1300. Variable Topics in French Literature and Culture. (See specific topics for general education categories; 4 cr; repeatable when topic changes)
This course will be taught on a variety of topics such as modern French literature in translation and women authors in French. It will be offered as both a regular course and an honors course. Topic to be announced.

Hum 1301. Literature and Culture of French-Speaking Africa and the Caribbean. (IP; 4 cr)
Historical and cultural perspectives of Francophone Africa and the Caribbean via study of literature. Topics studied will include tribal Africa, slavery, colonialism, revolution, independence, family structures, and social institutions.

Hum 1302s. French Cinema. (IP; 4 cr)
The history of filmmaking in France from the Lumière brothers to the present; introduction to the major trends in film theory. Taught in English, all films have English subtitles. Offered as both regular and honors course.

Hum 1303. Paris as Text/Image/Sound. (IP; 4 cr; not offered 2002-03)
This course explores how representations of Paris in literature, film, music, and photography have been a key to the construction and the lived experience of the city and how new forms of writing, image-making, and sound production have emerged from the modern metropolis.

Hum 1304. French Women Authors in Translation. (IP; 4 cr; offered when feasible)
French women's movements during the twentieth century, the historical relationship of gender and class, and the lives of women from various ethnic backgrounds in France; the history of French women authors in a global context. Guest lecturers may, when appropriate, provide some comparisons among European and global feminisms.

Hum 1300H. Honors: Variable Topics in French Literature and Culture. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq # for students not in Honors Program)

This course will be taught on a variety of topics such as modern French literature in translation and women authors in French. It will be offered as both a regular course and an honors course. Topic to be announced.

Hum 1301H. Honors: Literature and Culture of French-Speaking Africa and the Caribbean. (IP; 4 cr; prereq # for students not in Honors Program)
Historical and cultural perspectives of Francophone Africa and the Caribbean via study of literature. Topics studied will include tribal Africa, slavery, colonialism, revolution, independence, family structures, and social institutions.

Hum 1302Hs. Honors: French Cinema. (IP; 4 cr; prereq # for students not in Honors Program)
The history of filmmaking in France from the Lumière brothers to the present; introduction to the major trends in film theory. Taught in English, all films have English subtitles. Offered as both regular and honors course.

Hum 1303H. Honors: Paris as Text/Image/Sound. (IP; 4 cr; prereq # for students not in Honors Program; not offered 2002-03)
This course explores how representations of Paris in literature, film, music, and photography have been a key to the construction and the lived experience of the city and how new forms of writing, image-making, and sound production have emerged from the modern metropolis.

Hum 1451s. German Literature in Film. (IP; 4 cr; does not count toward German major or minor; not offered 2002-03)
Development of the German film as expressionistic art form. Film as text, film as history, film as aesthetic expression. Film presentations are in German but with English subtitles in most cases. Readings and lectures are in English.

Hum 1451Hs. Honors: German Literature in Film. (IP; 4 cr; does not count toward German major or minor; prereq # for students not in Honors Program; not offered 2002-03)
Development of the German film as expressionistic art form. Film as text, film as history, film as aesthetic expression. Film presentations are in German but with English subtitles in most cases. Readings and lectures are in English.

Hum 1500s. Contemporary Latin American Novel in Translation. (IP; 4 cr; repeatable with #; does not count toward Spanish major or minor)
Development of the contemporary Latin American novel and short fiction from the 1960s to the present. From the decade of the sixties, the new Latin American novel of the "Boom" emerges along with the names of writers such as García Márquez, Carlos Fuentes, Juan Rulfo, José Donoso, Luisa Valenzuela, and Vargas Llosa.

Hum 1500Hs. Honors: Contemporary Latin American Novel in Translation. (IP; 4 cr; repeatable with #; does not count toward Spanish major or minor; prereq # for students not in Honors Program)
Development of the contemporary Latin American novel and short fiction from the 1960s to the present. From the decade of the sixties, the new Latin American novel of the "Boom" emerges along with the names of writers such as García Márquez, Carlos Fuentes, Juan Rulfo, José Donoso, Luisa Valenzuela, and Vargas Llosa.

Hum 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Hum 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)
A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Interdisciplinary Studies (IS)

This is an interdisciplinary group of courses under the authority of the vice chancellor for academic affairs and dean.

Objectives—Through interdisciplinary studies, students may investigate subjects viewed from the perspectives of two or more traditional academic disciplines. Interdisciplinary studies may take the form of well-structured internships or regular classroom courses, or directed study projects that stimulate close student-faculty relationships.

Students interested in interdisciplinary internships or directed study projects should consult with their advisers and appropriate division chairpersons concerning a course prospectus, proposed study activities, and proposed criteria and methods for evaluating their work. In the case of internships, students should discuss their plans with the director of the Career Center, who assists with internship placements. A signed Directed Study Approval form or Internship Approval form (available in the academic division offices) is required in order to register for an interdisciplinary directed study or internship. The approval of the vice chancellor for academic affairs and dean is necessary to register for a directed study or an internship.

Course Descriptions

IS 1001f. First-Year Seminar: Human Diversity. (FYS; 2 cr)
This first-year course aims to facilitate students' transition from high school to a collegiate environment. Special emphasis is placed on themes that help sensitize students to the spectrum of ideas within the academic setting as well as contemporary society.

IS 1051. Introduction to College Learning Skills. (4 cr; counts toward the 60-cr general education requirements; prereq participation in Gateway Program; offered summer only; S-N only)
Essential skills for success in higher education. Introduction to computing technology, writing, and math skills. Thought processes and standards of academic dialogue.

IS 1061s. Learning to Learn. (SS; 2 cr; prereq #; S-N only)
Basic learning and thinking skills; procedures for acquiring knowledge and conducting academic inquiry; formulating and evaluating ideas, arguments, and abstract

principles. Introduction to elements of the learning process. Assessment of individual approaches and development of individual strategies for learning.

IS 1071f,s. Systematic Introduction to the Art and Science of Emergency Medical Care. (4 cr; prereq CPR and first aid certification; S-N only)
Introduction to emergency medical care. Develops skills and knowledge to respond appropriately to a medical emergency. (The Stevens County Ambulance Service sets and requires an independent fee.)

IS 1091f,s. Ethical and Social Implications of Technology. (E/CR; 2 cr)
Description of appropriate technological advances. Historical development related to technology and its development cycle. Discussion of the ethical and social implications of technology.

IS 3100. Interdisciplinary Studies in Social Science. (1-4 cr; offered when feasible)
Studies of topics, applying expertise from various social science disciplines, e.g., women in the social sciences.

IS 3705f, 3710f,s. Peer Tutoring in College. (SS; 3-6 cr; prereq #)
Principles and practice of peer tutoring, one-to-one and in small groups. Students learn tutoring methods during fall semester and tutor courses that they have already completed successfully during spring semester.

IS 3705f. Peer Tutoring in College. (SS; 3 cr; prereq #)
Topics in pedagogical theory regarding peer tutoring processes, and practice in peer tutoring.

IS 3710f,s. Peer Tutoring in College. (1 cr; repeatable to 3 cr; prereq 3705)
Tutor students in selected courses.

IS 3800f,s. Practicum in Social Sciences. (1-2 cr; repeatable to 4 cr; prereq #; S-N only)
Supervised experience of selected learning activities such as discussion group leader, lab assistant, or research assistant.

IS 3893. Prior Learning Directed Study. (1-4 cr; repeatable; prereq #)
Individualized learning project combining prior learning with faculty-directed new learning, awarding academic credit for both. (When content is discipline-related, discipline designation will appear on transcript and credit may count toward appropriate general education requirement category.)

IS 3896. Prior Learning Internship. (1-16 cr; repeatable; prereq #; S-N only)
An educational experience in a work environment providing field application for the student's theoretical classroom learning experiences. The prior learning, such as in social service or business settings, would have occurred prior to the student's matriculation. The prior learning is documented and combined with faculty-directed new learning, with credit awarded for both.

IS 3996f,s. Interdisciplinary Internship. (1-16 cr; repeatable; S-N only)
One-semester educational experience in a work environment providing field applications for the student's theoretical classroom learning experiences. Approved Learning Contract required for registration.

Division Structure and Course Descriptions

IS 4101s. Introduction to Professional Conduct Codes, Legal Constraints, and Ethics in the Human Services. (E/CR; 2 cr; prereq Jr, 10 cr 3xxx or 4xxx human services courses or #)

Concepts of professional ethics in human services professions; ethically relevant legal mandates and constraints on professional practice; practical problems in the application of ethical principles.

IS 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Interdisciplinary studies. Directed Study Approval Form with signature required for registration.

IS 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) across two or more disciplines. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Continuing Education Courses

IS 1301f. CE: Dakota Language I. (4 cr)

An introduction to speaking, writing, and reading Dakota language and an overview of Dakota culture.

IS 1302s. CE: Dakota Language II. (FL; 4 cr)

A continuation of 1301 with greater emphasis on conversation and culture.

IS 2011f,s. CE: English Language Teaching Assistant Program. (IP; 12 cr; S-N only)

Students assist teachers of English in one of several countries where English is not the primary language. Assignments are for eleven weeks. Housing and board are provided or subsidized by the host school.

Latin American Area Studies (LAAS)

This is an interdisciplinary major under the authority of the vice chancellor for academic affairs and dean. The program is administered by the coordinator of Latin American Area Studies.

Objective—To provide a basic introduction to the cultures and societies of Latin America, to provide the means essential to gain an understanding of Latin America and its diverse peoples, and to place Latin America in a comparative perspective.

Major Requirements

Proficiency in Spanish equivalent to that required for the completion of Span 2002.

4 credits in Latin American history (Hist 1601—Latin American History: A Basic Introduction or its equivalent is strongly recommended).

1 credit in LAAS 3201—Bibliographical Tools and Journals in Latin American Area Studies.

1-4 credits in LAAS 4101—Senior Tutorial in Latin American Area Studies.

1 credit per semester, after declaring major and when in residence, in LAAS 3100—Contemporary Latin America; no more than 4 credits can be applied to the LAAS major, and up to 4 credits can be applied to the 20-credit elective requirement.

20 additional credits selected from the courses listed below; these courses must come from at least three different academic disciplines. Students are encouraged to use elective credits to acquaint themselves with as many academic fields of Latin American studies as possible. Any directed study course for which an instructor is available is acceptable provided the subject matter is appropriate. These courses may be applied to the 20-credit elective requirement. Students may have up to a two-course overlap with any other major. Additional overlap is possible, but must be approved by the LAAS coordinator.

Course Descriptions

Anth 2300f,s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101)

Same as Soc 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Anth 2301f. Social Change and Development in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Anth 2302s. Women in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Anth 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)
Research, field, or cultural experiences.

Arth 3251s. Pre-Columbian Arts of the Americas. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

The pre-colonial arts of the native peoples of Mexico, South America, and the southwestern United States from 1000 B.C.E. to the 16th century C.E.

Econ 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)
Literature of Latin American economics.

Hist 1601s. Latin American History: A Basic Introduction. (IP; 4 cr)
Methods, themes, and problems in the study of Latin American history.

Hist 3000. Variable Topics in History. (Hist; 4 cr; repeatable when topic changes; offered when feasible)
Study of a historical topic that transcends the traditional chronological or geographical categories. Possible topics include the history of historical writing, science, and Christianity.

Hist 3600f. Variable Topics in Latin American History. (IP; 4 cr; repeatable when topic changes)
Political, economic, social, cultural, and national history of Latin America. Possible topics include Cuban or Mexican revolutions, dependence and underdevelopment, great books on Latin America, and Brazil.

Hist 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Opportunity to study analytically a limited topic in Latin American history. Topic determined by the student and instructor.

Hum 1500s. Contemporary Latin American Novel in Translation. (IP; 4 cr; repeatable with #; does not count toward Spanish major or minor)

Development of the contemporary Latin American novel and short fiction from the 1960s to the present. From the decade of the sixties, the new Latin American novel of the “Boom” emerges along with the names of writers such as García Márquez, Carlos Fuentes, Juan Rulfo, José Donoso, Luisa Valenzuela, and Vargas Llosa.

LAAS 3100f,s. Contemporary Latin America. (1 cr; prereq LAAS major; to be repeated each sem a student is in residence; only 4 cr may apply to LAAS major)

Opportunity for LAAS majors to read about and discuss in historical and cultural contexts the more important contemporary developments in Latin America.

LAAS 3201. Bibliographical Tools and Journals in Latin American Area Studies. (1 cr; prereq LAAS major; offered when feasible)

For the student new to the major. Introduction to the standard bibliographical tools and journals in Latin American area studies.

LAAS 4101. Senior Tutorial in Latin American Area Studies. (1-4 cr; prereq 3201; prereq sr LAAS major; offered when feasible)

Individual reading in subjects needing further development before completing the LAAS major. Subjects determined by LAAS faculty in consultation with the senior LAAS major.

LAAS 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Pol 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq pol sci major or #)

Latin American political science.

Soc 2300f,s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111)

Same as Anth 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Soc 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Literature of Latin American sociology.

Span 1001f. Beginning Spanish I. (FL; 4 cr)

Study of basic skills of Spanish (reading, speaking, writing, listening) and cultural contexts of Latin America and Spain. Students should demonstrate the ability to: read and comprehend materials such as ads, instructions, etc.; engage in simple conversations in Spanish, to speak about themselves and express their basic needs; construct sentences and questions in Spanish in order to write accurately at the short paragraph level; comprehend short conversations.

Span 1002s. Beginning Spanish II. (FL; 4 cr; prereq 1001 or placement or #)

Second course in the sequence beginning with 1001.

Span 2001f. Intermediate Spanish I. (IP; 4 cr; prereq 1002 or placement or #)

Review and building of skills with a focus on basic Spanish language structures and tenses. Students should demonstrate the ability to read critically and understand the context of literary and cultural items; respond to simple questions, avoid basic pronunciation errors, engage in short conversations, discuss assigned themes at some length; write accurately at the paragraph level, avoiding common grammatical errors; comprehend conversations.

Span 2002s. Intermediate Spanish II. (IP; 4 cr; prereq 2001 or placement or #)

Review and building of skills in more complex language structures, tenses, and moods. Students should demonstrate the ability to read with some basic literary analysis and analyze cultural differences; read out loud with understanding, speak in emotive and persuasive language contexts, hold conversations, speak extemporaneously on assigned topics; write analytically and accurately at the short paper level; comprehend short dialogues and paragraphs.

Span 3001f. Advanced Spanish I. (IP; 4 cr)

Study of complex language structures, expansion and reinforcement of grammar constructions, and analysis of literary and/or cultural readings. Students should demonstrate the ability to carefully read, comprehend, and analyze literary works and/or cultural readings; discuss motives and themes in such works, read out loud with proficiency and meaning, hold sustained conversations; use correct grammar to write and present compositions analyzing the works; comprehend main points in Scola televised presentations and materials.

Span 3002s. Advanced Spanish II. (IP; 4 cr; prereq 3001, #3101)

Second course in the sequence beginning with 3001.

Span 3101s. Introduction to Spanish Literature. (Hum; 4 cr; prereq 2002, #3002)

Study of a variety of literary genres representing the literature of Spain and Latin America; rudiments of literary analysis and interpretation. Students should demonstrate the ability to read and comprehend the literary works studied, analyze works critically while developing a sensitivity toward certain cultural aspects and literary nuances expressed therein; participate in and comprehend sustained class discussion with respect to certain topics or themes; write with accuracy in Spanish and show some degree of analytical proficiency at the short paper level.

Span 3202s. Masterpieces of Spanish Peninsular Literature II. (Hum; 4 cr; prereq 3201)

Masterpieces from Medieval, Renaissance, Golden Age, 18th century, and 19th century. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Division Structure and Course Descriptions

Span 3301f. Masterpieces of Latin American Literature I. (Hum; 4 cr; prereq 3002, 3101)

Masterpieces from Latin America in the 20th century. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3302s. Masterpieces of Latin American Literature II. (Hum; 4 cr; prereq 3002, 3101)

Masterpieces from Latin America from 1492 to 1900. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3400s. Variable Topics in Latin American Literature. (Hum; 4 cr; repeatable when topic changes; prereq 3002, 3101)

Topic to be announced. Students should demonstrate the ability to analyze literary texts, using the text as well as aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Spch 3411f. Intercultural Communication Theory and Research. (HDiv; 4 cr; prereq 2101 or #)

Study of intercultural communication from an interpersonal and group perspective.

Liberal Arts for the Human Services (LAHS)

This interdisciplinary major is in the Division of the Social Sciences.

Objectives—This program's three main purposes are to provide a firm liberal arts basis for understanding individual human behavior in its social context; provide the liberal arts foundation for professional work in baccalaureate-level human services occupations such as counseling, casework, personnel work, and administration of human services in federal and state agencies, private businesses, or professional organizations; and prepare students for graduate work in the human services professions.

Major Requirements

Anth 1111—Introductory Cultural Anthropology
or Soc 1101—Introductory Sociology
Psy 1051—Introduction to Psychology
or Psy 1101-1102—Foundations of Psychology I-II (students planning to take a majority of LAHS credits in psychology should choose Psy 1101-1102 rather than Psy 1051)

Stat 1601—Introduction to Statistics

or Stat 2601—Statistical Methods

The minimum additional requirements for a major in liberal arts for the human services are:

- 40 credits to be selected from the courses listed below, with a minimum of 16 credits each in anthropology/sociology and upper-division psychology
- at least 4 credits of Psy 4896—Field Experiences in Psychology or IS 3996—Interdisciplinary Internship
- IS 4101—Introduction to Professional Conduct Codes, Legal Constraints, and Ethics in the Human Services

Students develop a coherent program of study in consultation with their major advisers generally no later than the spring semester of their sophomore year. Advisers normally are faculty with a background or specialties related to the human services area.

Students should discuss the arrangement of their field experience with their LAHS advisers no later than the fall semester of their junior year. Information concerning specific field placements can be obtained from the director of the Career Center or an LAHS faculty adviser.

Because LAHS students pursue varied careers, they are advised to include in their programs courses appropriate to their career plans. For instance, students intending to seek careers involving *public administration or policy formulation* should take such courses as:

Econ 1111—Principles of Microeconomics

Econ 1112—Principles of Macroeconomics

Soc 2101—Prejudice, Discrimination, and Systems of Oppression

Soc 3121—Sociology of Gender

Soc 3200—Topics in Social Stratification

Spch 3411—Intercultural Communication Theory and Research

Spch 3421—Organizational Communication Theory and Research

possibly Mgmt 2201—Principles of Management

Students intending to seek careers in *counseling or in other direct helping professions working with adults* should take such courses as:

Psy 3051—The Psychology of Women

Psy 3101—Learning Theory and Behavior Modification

Psy 3302—Personality

Psy 3313—Psychopathology

Psy 3403—Developmental Psychology III: Adulthood, Aging, and Death

Psy 3501—Social Psychology

Psy 3511—Applied Social Psychology

Psy 4101—Helping Relationships

Soc 3121—Sociology of Gender

Soc 3141—Sociology of Deviance
 Spch 1061—Interpersonal Communication
 Spch 3411—Intercultural Communication Theory and Research
 Spch 3421—Organizational Communication Theory and Research

If the career involves *work with children*, students should take:

Psy 3401—Developmental Psychology I: Child Psychology
 Psy 3402—Developmental Psychology II: Adolescence

if with the *chemically dependent*:

Psy 1081—Drugs and Human Behavior
 a directed study or empirical research course on chemical dependency

In all instances, students should consult with their advisers when designing their programs.

Students should complete the professional ethics course (IS 4101—Introduction to Professional Conduct Codes, Legal Constraints, and Ethics in the Human Services) during the year before their internship (IS 3996—Interdisciplinary Internship) or field experience (Psy 4896—Field Experiences in Psychology). Students who plan to enroll in Psy 4101—Helping Relationships should complete the course before their internship or field experience.

Courses with grades of D may not be used to meet the major requirements.

Course Descriptions

Anth 2300f,s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101)
 Same as Soc 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Anth 2301f. Social Change and Development in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Anth 2302s. Women in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Anth 2400s. Variable Topics in American Indian Cultures and Societies. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101)
 In-depth study of topic concerning North American Indians. Topics vary, e.g., traditional Native American societies and cultures, Native American archaeology, Native American religions.

Anth 2402f. American Indian Ethnography. (HDiv; 4 cr; prereq 1111 or Soc 1101; not offered 2001-02)
 An analysis of ethnographic materials collected by and from American Indians, written by American Indian authors or with their participation.

Anth 2403s. American Indians in the Cinema. (Hum; 4 cr; prereq 1111 or Soc 1101)

An analysis of the representations and misrepresentations of American Indians in the cinema, television, and common culture of the United States.

Anth 2404. Introduction to the Peoples of North America. (HDiv; 4 cr; prereq 1111 or Soc 1101; not offered 2001-02)

An introduction to the societies and cultures of the peoples of North America (Canada, United States, Mexico) focusing upon the “traditional” (or pre-European contact) conditions.

Anth 2405f. American Indian Education. (HDiv; 4 cr; prereq 1111 or Soc 1101)

An analysis of the history, theory, and ethnographic data related to the uses, actions, and foci of the American educational system and the interactions of various American Indian individuals and groups within that system.

Anth 2451f. 20th-Century Native Americans. (HDiv; 4 cr)

Same as Soc 2451. The cultures, problems, and resurgence of Native Americans in the 20th century. Government policies; education, religion, self-determination, family, gaming, etc.

Anth 3101f. The Anthropology of Religion. (SS; 4 cr; prereq 1111 or Soc 1101; 4 addtl cr in Anth or Soc recommended; not offered 2001-02)

Comparative study of religion, magic, witchcraft, etc., in various parts of the world. Theories and concepts developed by anthropologists in dealing with religious phenomena in a cross-cultural perspective.

Anth 3200s. Variable Topics in Comparative

Ethnography. (Envr; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101 or #)

Topics in social systems, beliefs, values, and customs of societies around the world. Comparison and analysis of how various components of social and cultural systems interact with one another and with their environments.

Anth 3300s. Variable Topics in Area Studies. (IP; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101 or #)

Same as Soc 3300. In-depth study of societies and cultures (values, religions, politics, economic institutions, kinship, family organization) of a particular part of the world, e.g., Africa, India and South Asia, China, Pacific Islands.

Anth 3301s. India and South Asia. (IP; 4 cr; prereq 1111 or Soc 1101 or #)

Econ 1111f,s. Principles of Microeconomics. (SS; 4 cr; prereq high school algebra or #)

Introduction to the study of scarce resource allocation in a market economy. Supply and demand, consumer theory, theory of the firm, market structure, pricing of factors of production, income distribution and the role of Government.

Econ 1112f,s. Principles of Macroeconomics. (SS; 4 cr; prereq high school algebra or #)

Introduction to basic economic problems, concepts, and theoretical models. Measurement of economic performance; national income, inflation and unemployment; competing macroeconomic theories and stabilizing policies.

Division Structure and Course Descriptions

Econ 3201f. Microeconomic Theory. (SS; 4 cr; prereq 1111, Math 1101 or #)

Analytical approach to decision making by individual economic units in the output and input markets, under perfect and imperfect market conditions. Externalities and role of government.

Econ 3202s. Macroeconomic Theory. (SS; 4 cr; prereq 1112, Math 1101 or #)

The theory of national income determination; inflation, unemployment, and economic growth in alternative models of the national economy.

Hist 3700. Variable Topics in the History of Women. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1001 or 1002 or 1201 and WoSt 1101)

Possible topics include a historical study of women and religion, a historical study of thought about American women, a cross-cultural study of the history of women.

Hist 3701s. Women and Religion: A History. (SS; 4 cr; prereq 1001 or 1002 or 1201 and WoSt 1101)

A historical discussion of women in non-Western and Western religions.

IS 4101s. Introduction to Professional Conduct Codes, Legal Constraints, and Ethics in the Human Services. (E/CR; 2 cr; prereq jr, 10 cr 3xxx or 4xxx human services courses or #)

Concepts of professional ethics in human services professions; ethically relevant legal mandates and constraints on professional practice; practical problems in the application of ethical principles.

Mgmt 3000. Variable Topics in Management. (See specific topics for general education categories; 2 cr; repeatable when topic changes; prereq varies by topic; offered when feasible)

Topic to be announced.

Mgmt 3151. Human Resources Management I. (E/CR; 2 cr; prereq 2101 or #; offered when feasible)

Topics in human resource management; legal issues, planning, recruitment, selection, and training.

Mgmt 3152. Human Resources Management II. (HDiv; 2 cr; prereq 2101 or #; offered when feasible)

Topics in human resource management: evaluating employee performance, compensation and benefits, safety, labor relations, international human resource management.

Pol 3201f. Legislative Process. (SS; 4 cr; prereq 1201 or #)

The internal organization of Congress, with emphasis on how rules and organizational changes affect the policy process. Topics include the evolution of the modern Congress, the committee system, the role of party leadership, and competing theories of congressional organization. In addition, comparisons/contrasts are drawn from other legislatures in democracies around the world.

Pol 3221f. Judicial Politics. (SS; 4 cr; prereq 1201 or #; not offered 2002-03)

Role of judges, police, attorneys, and interest groups within the political system, with analysis focusing on each as political actors. Areas of discretion in the legal system. Extra-legal predictors of judicial decision making and certiorari voting.

Pol 3260f,s. Variable Topics in American Politics. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1201 or #)

Selected topics in American politics such as state and local politics, media and politics, minorities and social policy, and political psychology.

Pol 3263s. Political Psychology. (SS; 4 cr; prereq 1201; Psy 1051 or # recommended; not offered 2002-03)

Examines the utility of concepts from personality and social psychology for conducting political analysis and understanding political behavior. Explores the role of the individual, group processes, and the political context in political decision making by both leaders and nonleaders.

Pol 3264s. American Political Culture. (Hist; 4 cr; prereq 1201 or #; not offered 2001-02)

A survey of the ideas shaping the U.S. political system and Americans' political behavior. Examines the ways that U.S. political culture has shaped institutional development, policy outcomes, and the everyday political experiences within the political system.

Psy 1061f,s. Introduction to the Development of the Child and Adolescent. (SS; 4 cr; prereq 1051 or both 1101, 1102 or #)

Theory, data, and research approaches in development from birth through adolescence. Prenatal and physical development as well as perceptual, cognitive, language, personality, and social development. Multicultural/global perspective. Designed for students aiming for teacher certification, who received priority in registration. Does not count for elective credit for the 16-credit psychology component of the LAHS major or for the psychology major or minor. A more in-depth alternative to this course is Psy 3401 and Psy 3402. Students double majoring in education and psychology should consider the Psy 3401 and 3402 alternative to this course.

Psy 1071f. Human Sexuality. (SS; 4 cr)

Survey of aspects of human sexuality, including intimacy and communication; male and female anatomy, physiology, and response; development of identity, sex role, and gender orientation; varieties of sexual expression; pregnancy and childbirth; contraception and disease prevention; sexual coercion and abuse; sexual dysfunctions and their treatment.

Psy 1081s. Drugs and Human Behavior. (SS; 2 cr)

Survey of psychoactive drugs, their effects on mind and behavior, and prevention and treatment of drug abuse.

Psy 3051s. The Psychology of Women. (HDiv; 4 cr; not offered 2001-02)

Feminist approach to the psychological study of women's personality, behavior, development, language issues, motivation, work and family lives, sexuality, health and psychobiology, adjustment and therapy, and victimization experiences. Focuses on women of color, feminist research methodology, and feminist analysis of psychological theories of women.

Psy 3101f. Learning Theory and Behavior Modification. (SS; 4 cr; prereq 1101, 1102)

Major theories of learning and their importance for understanding human and nonhuman behavior. Classical and operant conditioning, generalization, discrimination, stimulus control, animal cognition. Behavior modification theories and techniques and their application to clinical populations. Lab projects demonstrate learning and behavior modification theories, concepts, and techniques and illustrate research methods and theory testing. Includes lab.

Psy 3112s. Cognition. (SS; 4 cr; prereq 1101, Stat 1601 or Stat 2601 or #)

Empirical study of memory, language behaviors, representation of knowledge, judgment, decision making, problem solving, and creative thinking. Includes lab.

Psy 3211s. Biological Psychology. (Sci-L; 5 cr; prereq 1101, 1102)

Brain organization and function; an emphasis on an understanding of the neural processes that underlie human and nonhuman behavior. Incorporates information from psychology, neuroscience, endocrinology, physiology, chemistry, neurology, and zoology to investigate the physiological basis of behavior. Topics include sensory processes, drugs and addiction, biological rhythms, sexual differentiation, reproduction, methods in neuroscience, neuropsychological disorders, and clinical assessment. Lab projects focus on neuroanatomical organization and function of the brain. (4 hrs lect, 1 hr lab)

Psy 3221f. Behavioral Biology of Women. (Sci; 2 cr; not offered 2001-02)

Exploration of proximate and ultimate influences on female behavior in human and nonhuman species. Sexual differentiation, gender differences in cognition, biological basis of sexual orientation, female sexual selection, and dominance.

Psy 3302f. Personality. (SS; 4 cr; prereq 1051 or 1101-1102, Stat 1601 or 2601)

Nature of personality constructs and theories. Conscious vs. nonconscious processes; emotion and motivation; nature and measurement of personal traits; their dimensional structure, stability, development, and heritability.

Psy 3313s. Psychopathology. (SS; 4 cr; prereq 3301 or 3311 or 3302, Stat 1601 or 2601)

Psychological disorders and their treatment, including anxiety, personality, affective, schizophrenic, and other recognized disorders of children and adults.

Psy 3401f. Developmental Psychology I: Child Psychology. (SS; 4 cr; prereq 1051 or 1101-1102)

Theory, data, and research in development from conception to adolescence. Prenatal and physical development as well as perceptual, cognitive, personality, and social development. Language acquisition and Piaget's theory of cognitive development.

Psy 3402s. Developmental Psychology II: Adolescence. (SS; 2 cr; prereq 1051 or 1101-1102 and either 3401 or 1061)

Theory, data, and research in adolescent development with emphasis on physical, cognitive, and social development.

Psy 3403s. Developmental Psychology III: Adulthood, Aging, and Death. (SS; 2 cr; prereq 1051 or 1101-1102)

Theory, data, and research concerning the age group from young adulthood to old age. Emphasis on physical, cognitive, and social changes.

Psy 3501f. Social Psychology. (SS; 4 cr; prereq 1051 or 1102 or Soc 1101 or #)

Theories and research in the study of interpersonal behavior. Role, self, social learning, exchange, person perception, cognitive consistency, and interpersonal transactions.

Psy 3511s. Applied Social Psychology. (SS; 2 cr; prereq 3501 or #)

A specific topic among applied social psychology fields (e.g., health psychology, psychology of law, environmental psychology) will be explored. Emphasis will be placed on the use of theories and techniques learned in Psy 3501 for the purpose of understanding social issues and/or affecting change. Topics will be announced prior to registration.

Psy 4101f.s. Helping Relationships. (SS; 4 cr; prereq 3311)

Approaches to counseling and psychotherapy. Theories of helping relationships. Acquisition of helping skills, including attending behavior, reflection of feeling, paraphrasing, confrontation, and summarization. Major humanistic, cognitive, and behavioral approaches. Didactic instruction, observation of counseling and psychotherapeutic techniques, and practical experiences.

Psy 4630f. Empirical Investigations in Personality, Psychopathology, and Psychological Intervention. (SS; 4 cr; repeatable; prereq 3311)

Empirical investigations in human emotion, motivation, individual differences, psychopathology, and psychological intervention. Includes lab.

Psy 4640f. Empirical Investigations in Developmental Psychology. (SS; 4 cr; repeatable; prereq 3401 or 3402 or 3403, #)

Individual reading and empirical research on any topic. Objective is greater depth than is possible in Psy 3401, 3402, 3403 and demonstration of research competency. Includes lab.

Psy 4650f. Empirical Investigations in Social Psychology. (SS; 4 cr; repeatable; prereq 3501 or #)

Seminar instruction on topics of student and staff interests. Students will complete an empirical project and paper. Includes lab.

Psy 4994f.s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Soc 2101f. Prejudice, Discrimination, and Systems of Oppression. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Patterns of group dominance, exploitation, and hate in the United States and globally. Emphasis on sexism, racism, and homophobia with some attention to other systems of oppression such as ageism and ableism.

Soc 2300f.s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111)

Same as Anth 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Soc 2301f. Social Change and Development in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 2302s. Women in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 2451f. 20th-Century Native Americans. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Same as Anth 2451. The cultures, problems, and resurgence of Native Americans in the 20th century. Government policies; education, religion, self-determination, family, gaming, etc.

Division Structure and Course Descriptions

Soc 3111s. Sociology of Modernization. (IP; 4 cr)

Process of modernization in non-Western societies. Social, economic, and political impact of modernization from different theoretical perspectives. Assessment of those theoretical perspectives as a means to understand dynamics of change in Third World countries.

Soc 3121f. Sociology of Gender. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Relationships among sex, gender, and society. Gender as a factor in stratification systems, social interaction, and institutions such as the economy, the family, and religion.

Soc 3131f. World Population. (Env; 4 cr; prereq 1101)

Population theory and demographic method. Dynamics of fertility and mortality as the basis of population forecasting and its policy implications. Emphasis on the tie between Third World demographic trends and population issues in the rest of the world.

Soc 3141f. Sociology of Deviance. (E/CR; 4 cr; prereq 4 cr in Soc)

Theoretical and empirical issues recurring in the sociological literature on deviant behavior.

Soc 3200s. Variable Topics in Social Stratification. (HDiv; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111; offered when feasible)

Hierarchies of power, wealth, and prestige; analysis of various theories of stratification. Class, status, race, minorities (e.g., African Americans, American Indians), caste, and gender evaluated in terms of stratification.

Soc 3250f,s. Variable Topics in Social Structure. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111) In-depth study of one topic in sociology such as African American social institutions, the economic and social elite, bureaucracy, urban communities, social control, population, and demography.

Soc 3251f. African Americans. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Soc 3252s. Women in Muslim Society. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 3300s. Variable Topics in Area Studies. (IP; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111) Same as Anth 3300. In-depth study of societies and cultures (values, religions, politics, economic institutions, kinship, family organization) of a particular part of the world, e.g., Africa, India and South Asia, China, Pacific Islands.

Soc 3301s. India and South Asia. (IP; 4 cr; prereq 1101 or Anth 1111)

Spch 1061f. Interpersonal Communication. (SS; 4 cr; not offered 2002-03)

Study of basic theory and practice of interpersonal communication in a variety of contexts.

Spch 1071f. Introduction to Groups: Principles and Practices. (SS; 4 cr)

Group theory and directed practice in a variety of group situations, e.g., panels, symposia, and forums.

Spch 3401f. Human Communication Theory. (SS; 4 cr; prereq 2101 or #)

Detailed study of the theoretical tradition of human communication. Focuses on social scientific and humanities theories used to explain social interaction. Provides general foundation on various traditions of inquiry as well as qualitative and quantitative methods.

Spch 3411f. Intercultural Communication Theory and Research. (HDiv; 4 cr; prereq 2101 or #)

Study of intercultural communication from an interpersonal and group perspective.

Spch 3421s. Organizational Communication Theory and Research. (SS; 4 cr; prereq 2101 or #)

Study of organizational communication, including small group perspectives.

WSS 1051f,s. Fitness for Life. (2 cr; S-N only)

Factors associated with a positive lifestyle, assessment of each individual's current wellness status, and development of a personal lifetime program for improving one's quality of life.

Management (Mgmt)

This discipline is in the Division of the Social Sciences. It offers a multidisciplinary liberal arts-based program that allows students to enter the field of management as a professional or proceed to graduate studies.

Objectives—The management curriculum focuses on those areas of human knowledge that concern the operation and control of business and nonprofit organizations. In addition to developing competence in analytical and core business areas, students majoring in the field are expected to learn to critically examine business and other institutions from a liberal arts perspective. Specifically, management students:

1. understand and use a variety of techniques to manage financial, human, and material resources
 2. are able to critically conceptualize business problems and to develop appropriate strategies for problem solving
 3. understand and use a variety of quantitative analysis techniques appropriate for business
 4. develop collaborative skills
 5. be competent in written and oral communication
 6. develop competence in computer skills
 7. are prepared for professional careers in business or public service, or for graduate studies
 8. are able to see relationships between management and other liberal arts disciplines.
- Requirements for a major include analytical, core, and requirements from a chosen area of emphasis.

Major Requirements

Analytical Skills

Stat 1601—Introduction to Statistics or Stat 2601—Statistical Methods

Core Requirements

Econ 1111—Principles of Microeconomics

Econ 1112—Principles of Macroeconomics

Mgmt 2101-2102—Principles of Accounting I-II

Econ 490x—Variable Topics in Economic Research

8 credits in Mgmt courses at the 3xxx level or above, exclusive of those used to satisfy emphasis requirements

8 additional credits in Mgmt or Econ courses at the 3xxx level or above, exclusive of those used to satisfy emphasis requirements

No more than 4 credits from each of the following can be applied to the major:

Econ 490x—Variable Topics in Economic Research

Mgmt x993—Directed Study

Emphasis Requirements

Students must complete the requirements from one of the following areas of emphasis:

I. Financial Management

Math 1101—Calculus I

Spch 1051—Introduction to Public Speaking

or Spch 1000—Variable Topics in Introduction to Public Speaking

Mgmt 3101—Financial Management

At least 8 credits from Mgmt 3133, 4101, 46xx, Econ 3113, 4131, 4131H

II. Global Business

Mgmt 3601—Transnational Enterprise

8 credits of Fren, Ger, Span or other approved language at the 2xxx level or above

4 credits of coursework other than Econ or Mgmt at the 3xxx level and above that carries the IP general education designation

At least 8 credits from Econ 3131, 3141, 3142, 4121, 4121H, 4131, 4131H, Mgmt 45xx

Grades of D in Mgmt 2101-2102, Econ 1111-1112, Math 1101, or Stat 1601 may not be used to meet major requirements. Up to 4 credits of other management coursework with a grade of D may be used to meet major requirements if offset by an equivalent number of credits of A or B. Required courses may not be taken S-N unless offered S-N only.

Note: Students should complete Mgmt 2101-2102, Econ 1111-1112, Math 1101, and Stat 1601 or their equivalents during their first two years. Students intending on going to graduate school are strongly recommended to take Math 1101-1102. Students are also recommended to take Phil 2112—Professional Ethics. Prospective majors should see a management faculty member before registering for classes. Consultation with an adviser is essential to program planning.

Minor Requirements

Mgmt 2101-2102—Principles of Accounting I-II

Econ 1111—Principles of Microeconomics

Econ 1112—Principles of Macroeconomics

10 additional credits in Mgmt courses at the 3xxx level or above

No more than 4 credits from each of the following can be applied to the minor:

Econ 490x—Variable Topics in Economic Research

Mgmt x993—Directed Study

Grades of D in Mgmt 2101-2102, Econ 1111-1112, or Stat 1601 may not be used to meet minor requirements. Required courses may not be taken S-N unless offered S-N only.

Teacher Preparation Requirements

Students seeking teaching licensure in business 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Mgmt 2101f. Principles of Accounting I. (4 cr)

An introductory course in accounting principles and practices. The students will develop an understanding of both the conceptual and procedural framework of the accounting processes. Emphasis will be placed on the preparation and communication of accounting information and the financial statements for a proprietorship.

Mgmt 2102s. Principles of Accounting II. (4 cr; prereq 2101)

A continuation of Principles of Accounting I. Students will develop an understanding of the issues unique to partnerships, corporations, and organizational financing. Cash flow statements and performance analysis will also be emphasized.

Mgmt 3000. Variable Topics in Management. (See specific topics for general education categories; 2 cr; repeatable when topic changes; prereq varies by topic; offered when feasible)

Topic to be announced.

Mgmt 3101f. Financial Management. (5S; 4 cr; prereq 2102, Econ 1111, 1112, Stat 1601)

Financial analysis, theory and practice, financial leverage, capital budgeting, cost of capital, dividend policy, capital market theory, and working capital management.

Mgmt 3133f. Managerial Accounting. (4 cr; prereq 2102)

Managerial accounting is designed to help managers assess needed information to carry out three essential functions in an organization: planning operations, controlling activities, and making decisions. The emphasis of this course is placed on cost behaviors, various product costing methods, cost-volume-profit relationships, budgeting and control through standard costs, and other quantitative techniques used by management.

Mgmt 3141. Business Law I. (5S; 2 cr; prereq 2102; offered when feasible)

Law as it relates to the commercial world, including the legal environment, federal regulation, contracts, agency, sales.

Division Structure and Course Descriptions

Mgmt 3142. Business Law II. (SS; 2 cr; prereq 2102; offered when feasible)

Law as it relates to the commercial world, including the legal environment, commercial paper, corporations, secured transactions, bankruptcy, anti-trust law, and selected employment statutes.

Mgmt 3151. Human Resources Management I. (E/CR; 2 cr; prereq 2101 or #; offered when feasible)

Topics in human resource management; legal issues, planning, recruitment, selection, and training.

Mgmt 3152. Human Resources Management II. (HDiv; 2 cr; prereq 2101 or #; offered when feasible)

Topics in human resource management: evaluating employee performance, compensation and benefits, safety, labor relations, international human resource management.

Mgmt 3161s. Labor Management Relations I. (E/CR; 2 cr; prereq Econ 1111 or #; not offered 2001-02)

Historical development of labor relations and the legal framework governing collective bargaining. Labor relations law reform. Case studies from labor relations law.

Mgmt 3162s. Labor Management Relations II. (SS; 2 cr; prereq 3161 or #; not offered 2001-02)

Issues in labor-management negotiation, grievances, wages and economic security plans, public policies toward collective bargaining. Case studies from labor arbitration.

Mgmt 3201s. Marketing Principles and Strategy. (SS; 4 cr; prereq 2102, Stat 1601 or #; offered when feasible)

Basic factors affecting policy and strategy issues in marketing. Economic, legal, behavioral, environmental, competitive, and technological factors as they affect product, pricing, promotion, and marketing-channel decisions.

Mgmt. 3221f. Management and Organization Theory. (SS; 4 cr; prereq 2101, Econ 1101 or #)

Theory, research, and practice of management. Planning, organizing, leading, controlling. Emphasizes goals, policies, procedures. Factors and human relationships necessary to achieve organizational success. Organizational structure/culture. Changing environment in which businesses operate.

Mgmt 3301s. Management Science. (M/SR; 4 cr; prereq 2102, Stat 1601; offered when feasible)

Application of quantitative methods to decision making in business. Topics may include linear programming, forecasting and other probabilistic techniques, inventory management, network models, project management, decision theory, transportation and assignment models, simulation, Markov analysis, integer programming, Monte Carlo simulation.

Mgmt 3501s. Applied Deterministic Modeling for Management Science. (2 cr; prereq 2102, Math 1101 or Stat 1601 or Stat 2601 or #)

Same as Math 3501. Formulations of real-world problems as Linear Programming or Integer Linear Programming models; graphical solutions of some LP models. Linear Programming: the Simplex method, intuitive ideas behind the Simplex method. Using software to solve LP problems; interpreting optimal solutions; sensitivity analysis; duality. Network diagram representation; critical path method (CPM-PERT); transportation problem.

Mgmt 3502s. Applied Probabilistic Modeling for Management Science. (2 cr; prereq 2102, Math 1101 or Stat 1601 or Stat 2601 or #)

Same as Math 3502. Short review of probability and statistics; mean and variance of a data set; discrete and continuous random variables (especially the Exponential distribution and the Poisson distribution). Decision and game theory. Decision trees, types of decision criteria. Queuing models, birth-and-death processes; Markovian or Poisson arrivals and exponential service times; M/M/k and M/M/8 queues; Statistical Quality Control; inventory control system.

Mgmt 3601f. Transnational Enterprise. (IP; 2 cr; prereq 2102, Econ 1111, Econ 1112 or #)

Development and transformation of business enterprise within the global economy. Includes the basic impact of structural, institutional, and organizational change upon the dynamics of the firm and industry in the contemporary hyper-competitive, technology-driven, fast-paced, global environment.

Mgmt 4101s. Investment and Portfolio Analysis. (SS; 4 cr; prereq 2101, 2102, 3101)

Economic and investment environment as it relates to security investment decisions. Includes analysis of stocks, bonds, real assets, and derivative securities as well as portfolio theory and efficient market theory.

Mgmt 4200. Variable Topics in Managerial Economics.

(SS; 2-4 cr; repeatable when topic changes; prereq 2101, Econ 1111, Econ 1112, Math 1101, Stat 1601 or #; offered when feasible)

Topic to be announced.

Mgmt 4500. Variable Topics in Global Business. (IP; 2-4 cr; repeatable when topic changes; prereq 3601 or #)

Epochal changes surrounding structure, institutional dynamics, and organizational adaptation/challenges of global business. Possible topics: globalization process, skill formation and technological change, labor relations, oil and energy, child labor, environmental standards, financial crises, sweatshops, competitive struggle/strategy, business ethics.

Mgmt 4600. Variable Topics in Finance. (SS; 2-4 cr; repeatable when topic changes; prereq 3101 or #; offered when feasible)

Topic to be announced.

Mgmt 4896. Internship. (1-4 cr; repeatable to 4 cr; 2 cr may be applied toward major or minor; prereq 2102; 5-N only)

Supervised educational experience and field application relevant to student's major. Written analysis appropriate to the application is required.

Mgmt 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Mgmt 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Mathematics (Math)

This discipline is in the Division of Science and Mathematics.

Objectives—The mission of the discipline is to advance knowledge of mathematics: by *teaching* mathematics and its processes, by *research* in mathematics and mathematical pedagogy, and by *dissemination* of this knowledge to students and the community we serve.

Historically, the study of mathematics has been central to a liberal arts education. The mathematics curriculum serves as an integral part of students' active pursuit of a liberal arts education. The discipline's mission concentrates on the three main components of the institutional mission, namely, teaching, research, and outreach. The mathematics program serves students who major or minor in mathematics, seek secondary mathematics teaching licensure, major or minor in programs that require a mathematical background, or wish to fulfill components of a general education. The mathematics faculty provide guidance to students who choose to design their own major/minor. The discipline's mission includes dissemination of mathematical knowledge to the community.

The mathematics curriculum is designed to help students develop competence in mathematical techniques and methods. It aims to sharpen the students' mathematical intuition and abstract reasoning as well as their reasoning from numerical data. It also encourages and stimulates the type of independent thinking required for research beyond the confines of the textbook. The mathematics program aims to provide students with the basic knowledge and skills to make mathematical contributions to modern society, whether in the form of pure mathematics or of mathematics applied in other disciplines. The program seeks to enable students to see and communicate how the development of mathematics has been part of the development of several civilizations and is intimately interwoven with the cultural and scientific development of these societies. The curriculum prepares students to enter graduate school, pursue careers in applied mathematics, or teach mathematics.

The discipline uses various assessment methods and tools to evaluate and improve student academic achievement in mathematics. The results of the assessment help the discipline to shape a curriculum that is responsive to student needs. The Mathematics Major/Minor

Student Portfolio is the major assessment tool used by the discipline. It includes characteristics of the entering student, documents related to the learning development of the student during his or her stay at UMM, and post-graduation information. Some other assessment methods and tools include proficiency tests in basic skills courses, performance in course projects, and specially designed exams in some courses. Graduates of the program are surveyed regularly to assess discipline objectives.

Major Requirements

Math 1101-1102—Calculus I-II

Math 2111—Linear Algebra

Math 2301—Mathematical Perspectives

Math 3221—Analysis

Math 3231—Abstract Algebra I

Math 4901—Senior Seminar

Stat 2611—Mathematical Statistics

one course numbered Math x4xx

a minimum of 9 additional credits in Math or Stat courses at the level 2xxx or above

Students also are required to take a course with significant mathematical applications outside the mathematics discipline. This course must be approved by the mathematics discipline

No required courses may be taken S-N. Up to 6 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B.

Majors should begin with Math 1011—Pre-Calculus or Math 1101—Calculus I. Students with questions about placement are encouraged to discuss them with members of the mathematics faculty. Students planning to pursue *graduate work in mathematics* should complete:

Math 4201—Complex Analysis

Math 4211—Real Analysis

Math 4221—Topology

Math 4231—Abstract Algebra II

Math 4241—Number Theory

The recommended electives for students

planning to work or pursue graduate work in *applied mathematics* are:

Math 2401—Differential Equations

Math 3401—Operations Research

Math 3411—Discrete and Combinatorial Mathematics

Math 4401—Numerical Methods with Applications in Mathematical Modeling

Math 4450—Variable Topics in Applied Mathematics

Division Structure and Course Descriptions

Students interested in applied mathematics can design an area of concentration in consultation with the applied mathematics faculty. It is suggested that the *designed academic program in applied mathematics* include:

Math 2401—Differential Equations

Math 3401—Operations Research

Math 3411—Discrete and Combinatorial Mathematics

Math 4401—Numerical Methods with Applications in Mathematical Modeling

Math 4450—Variable Topics in Applied Mathematics

Students designing their area of concentration in applied mathematics are encouraged to take related courses in either the physical and natural sciences or the social sciences. These related courses must be approved by the applied mathematics faculty.

Minor Requirements

Math 1101-1102—Calculus I-II

Math 2111—Linear Algebra

a minimum of 12 additional credits in Math courses at the 2xxx level or above in at least two of the following numbering systems x2xx, x4xx, x5xx, or Stat 2611

Required courses may be taken S-N, but it is not recommended. Up to 6 credits of coursework with a grade of D may be used to meet the minor requirements if offset by an equivalent number of credits of A or B.

Teacher Preparation Requirements

Students seeking teaching licensure in mathematics 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Math 0901f. Basic Algebra. (0 cr toward graduation, 4 cr toward financial aid)

Sets, absolute values, linear equations and inequalities, functions and graphs, arithmetic of complex numbers, quadratics, radicals, exponents and logarithms, and linear systems of equations.

Math 1001s. Survey of Math. (M/SR; 4 cr; prereq 2 yrs high school math)

Introductory topics in mathematics, such as number system, geometry, algebra, discrete mathematics, statistics, logic, and the history of mathematics, including applications in today's world.

Math 1011f.s. Pre-Calculus. (4 cr; prereq high school higher algebra, geometry)

Polynomial, rational, exponential, logarithmic, and trigonometric functions; trigonometric identities and equations; polar coordinates and topics from analytic geometry; systems of equations, determinants, and matrices; arithmetic, geometric, and simple infinite series; binomial theorem.

Math 1021f. Survey of Calculus. (4 cr; prereq 1011)

Short course for students in social sciences, biological sciences, and other areas requiring a minimal amount of calculus. Topics include basic concepts of functions, derivatives and integrals, exponential and logarithmic functions, maxima and minima, partial derivatives; applications.

Math 1101f.s. Calculus I. (M/SR; 5 cr; prereq high school higher algebra, geometry, trigonometry or 1011)

The concepts, properties, and some techniques of differentiation, antidifferentiation, and definite integration and their connection by the Fundamental Theorem. Partial differentiation. Some applications.

Math 1102f.s. Calculus II. (M/SR; 5 cr; prereq 1101)

Further applications involving mathematical modeling and solution of simple differential equations. Taylor's Theorem. Limits of sequences. Use and theory of convergence of power series.

Math 2101f.s. Calculus III. (M/SR; 4 cr; prereq 1102 or #)

Multivariable and vector calculus. Three-dimensional analytic geometry; partial differentiation; multiple integration; gradient, divergence, and curl; line and surface integrals; divergence theorem; Green and Stokes theorems; applications.

Math 2111f.s. Linear Algebra. (M/SR; 4 cr; prereq 1101 or #)

Matrix algebra, systems of linear equations, finite dimensional vector spaces, linear transformations, determinants, inner-product spaces, characteristic values and polynomials, eigenspaces, minimal polynomials, diagonalization of matrices, related topics; applications.

Math 2211f. History of Mathematics. (4 cr; prereq Math course above 1100 or #; not offered 2001-02)

Historical development of various areas in mathematics and important figures in mathematics from ancient to modern times.

Math 2301s. Mathematical Perspectives. (M/SR; 4 cr; prereq 1101)

Introduction to the methodology and subject matter of modern mathematics. Sets, functions, relations, cardinality, and induction. The axiomatic method; definitions and examples of graphs, metric spaces, groups and rings. Roots of complex polynomials. Other selected topics.

Math 2401f. Differential Equations. (M/SR; 4 cr; prereq 1102 or #)

First-order and second-order differential equations with methods of solution and applications, systems of equations, series solutions, existence and uniqueness theorems, numerical solutions of first-order equations; the qualitative theory of differential equations.

Math 2501f. Probability and Stochastic Processes. (M/SR; 4 cr; prereq 1101 or #)

Same as Stat 2501. Probability theory; set theory, axiomatic foundations, conditional probability and independence, Bayes' rule, random variables. Transformations and expectations; expected values, moments, and moment generating functions. Common families of distributions; discrete and continuous distributions. Multiple random variables; joint and marginal distributions, conditional distributions and independence, covariance and correlation, multivariate distributions. Properties of random sample and central limit theorem. Markov chains, Poisson processes, birth and death processes, and queuing theory.

Math 3211f. Geometry. (M/SR; 4 cr; prereq Math course above 1100; not offered 2002-03)

Synthetic approach to Euclidean and non-Euclidean geometries. Selected topics from affine, hyperbolic, spherical, projective geometries. Possible comparisons of analytic and synthetic approaches. May include other related topics or use of computer software for geometry.

Math 3221f. Analysis. (M/SR; 4 cr; prereq 1102, 2301 or #)

Introduction to real and complex analysis. The main topics of calculus—convergence, continuity, differentiation, integration, and series—applied and extended in advanced settings. Emphasis on precise statements and rigorous proofs. Selected applications to other sciences.

Math 3231s. Abstract Algebra I. (M/SR; 4 cr; prereq 2111, 2301 or #)

Systematic study of groups and rings, making use of linear algebra. Groups as codifying symmetry throughout mathematics and its applications. The Euclidean algorithm and its consequences, both for integers and polynomials. Other selected topics and applications.

Math 3401s. Operations Research. (M/SR; 4 cr; prereq 1100 or higher or #)

Topics include, but are not limited to, linear and integer linear programming formulations, sensitivity analysis and duality, network models and applications.

Math 3411f. Discrete and Combinatorial Mathematics. (M/SR; 4 cr; prereq 1100 or higher or #)

Propositional logic; equivalence relations; recurrence equations; structures and properties of undirected and directed graphs; applications of the aforementioned topics.

Math 3501s. Applied Deterministic Modeling for Management Science. (2 cr; prereq 1021 or 1101 or 1601 or 2601, Mgmt 2102, Mgmt 2201 or #)

Same as Mgmt 3501. Formulations of real-world problems as Linear Programming or Integer Linear Programming models; graphical solutions of some LP models. Linear Programming: the Simplex method, intuitive ideas behind the Simplex method. Using software to solve LP problems; interpreting optimal solutions; sensitivity analysis; duality. Network diagram representation; critical path method (CPM-PERT); transportation problem.

Math 3502s. Applied Probabilistic Modeling for

Management Science. (2 cr; prereq 1021 or 1101 or 1601 or 2601, Mgmt 2102, Mgmt 2201 or #)

Same as Mgmt 3502. Short review of probability and statistics; mean and variance of a data set; discrete and continuous random variables (especially the exponential distribution and the Poisson distribution). Decision and game theory. Decision trees, types of decision criteria. Queuing models, birth-and-death processes; Markovian or Poisson arrivals and exponential service times; M/M/k and M/M/8 queues; Statistical Quality Control; inventory control system.

Math 4201s. Complex Analysis. (M/SR; 2 cr; prereq 3221 or #; not offered 2002-03)

Differentiable and analytic functions of a complex variable. Contour integral theorems. Laurent expansions. Other topics optional.

Math 4211f. Real Analysis. (M/SR; 2 cr; prereq 3221 or #; not offered 2001-02)

The extension of the theory of integration to other forms of integrals. Metric spaces and functions defined on these. Other optional topics.

Math 4221s. Topology. (M/SR; 2 cr; prereq 2301 or #; not offered 2002-03)

Selected topics from point set topology and/or algebraic topology.

Math 4231f. Abstract Algebra II. (M/SR; 2 cr; prereq 3231 or #; not offered 2001-02)

Selected topics from the theory of finite groups, Galois theory of fields, and/or the theory of rings.

Math 4241f. Number Theory. (M/SR; 2 cr; prereq 2301 or #; not offered 2002-03)

Selected topics from modular congruences, theory of primes, classical Diophantine equations, and the connections with algebraic curves.

Math 4250. Variable Topics in Pure Mathematics. (M/SR; 2 cr; repeatable when topic changes; prereq #; offered when feasible)

Treatment of an advanced pure mathematics topic not included in the regular curriculum.

Math 4401s. Numerical Methods With Applications in Mathematical Modeling. (M/SR; 4 cr; prereq 2111, 2401 or #; not offered 2001-02)

Finite differences; interpolation; numerical integration; numerical solutions of differential, algebraic, and transcendental equations; continuous mathematical models.

Math 4450s. Variable Topics in Applied Mathematics. (M/SR; 4 cr; repeatable when topic changes; prereq #; not offered 2002-03)

Treatment of advanced applied mathematics not included in the regular curriculum.

Math 4901f. Senior Seminar. (M/SR; 1 cr; prereq sr)

This is a full-year course, required for all mathematics majors in their senior year. Students must attend year round and present one of the seminars.

Math 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Math 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Music (Mus)

This discipline is in the Division of the Humanities. The music curriculum offers a wide range of courses for the music major. It also has strong appeal to the general student, especially in the activities of the instrumental and vocal ensembles.

Objectives—Students become familiar with the traditions of Western and non-Western music through theoretical analysis, research, performance, and historical survey. The curriculum fosters the development of the critical ability necessary to understand those traditions. Students experience the unique relationship between research and performance in music. Theoretical and practical courses that provide a sound academic background in music

Division Structure and Course Descriptions

are available for those who intend to pursue graduate study, teach, or fulfill general education requirements.

Major Requirements

7 enrollments in Mus 0100—Concert Attendance

Core Studies I

Mus 1101—Music Theory I

Mus 1102—Music Theory II

Core Studies II

Mus 2101—Advanced Music Theory III

Mus 2102—Advanced Music Theory IV

Core Studies III

Mus 3101—Medieval, Renaissance, and Baroque Music

Mus 3102—Classical, Romantic, and 20th-Century Music

7 credits in Individual Performance Studies in the major area, of which a minimum of 2 semesters must be in the Mus 3200—Advanced Individual Performance Studies series

Mus 4901—Senior Project

Piano proficiency

6 additional credits in Mus courses at the 3xxx level or above

Courses with grades of D may not be used to meet the major requirements. Required courses may not be taken S-N except where noted.

Minor Requirements

20 credits including:

Core Studies I

Mus 1101—Music Theory I

Mus 1102—Music Theory II

and either:

Core Studies II

Mus 2101—Advanced Music Theory III

Mus 2102—Advanced Music Theory IV

or Core Studies III

Mus 3101—Medieval, Renaissance, and Baroque Music

Mus 3102—Classical, Romantic, and 20th-Century Music

Courses with grades of D may not be used to meet the minor requirement. Required courses may not be taken S-N except where noted.

Teacher Preparation Requirements

Students seeking teaching licensure in instrumental music K-12 or vocal music K-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Mus 0100f,s. Concert Attendance. (0 cr; repeatable; S-N only)

Encourages concert attendance as an important aspect of learning about music—the literature, various media, performance practice, and related topics. Satisfactory completion is attendance at a minimum of 15 listed concert offerings each semester.

Mus 1041f. Introduction to Music. (FA; 4 cr)

Survey emphasizing development of an intelligent understanding and appreciation of music. For non-music majors.

Mus 1042s. Fundamentals of Music. (FA; 4 cr; not offered 2002-03)

The rudiments of music including note and rhythmic reading, scales, chords, beginning chord progressions, and practical keyboard work in the music theory lab.

Mus 1043. American Jazz Styles. (FA; 4 cr; offered when feasible)

Development and analysis of the New Orleans dixieland, ragtime, stride, boogie-woogie, Chicago dixieland, swing, bop, cool, funky, progressive, third-stream, free form, and fusion jazz styles. Introductory course to help non-music majors to become familiar with and appreciate this art form.

Mus 1044f,s. Class Piano. (ArtP; 1 cr)

Introduction to piano performance for students with no previous piano training. Students will learn basic keyboard skills, including note reading, fingering, and counting. They will study beginning piano technique and will learn to perform elementary-level solos and ensembles.

Mus 1050f,s. Accompanying. (ArtP; 1 cr; repeatable to 8 cr; prereq #; S-N only)

Students who accompany private lessons and recitalists may receive credit. Accompanying assignments are made through consultation with the piano faculty.

Mus 1070f,s. Instrumental Chamber Ensemble. (ArtP; 1 cr; repeatable to 8 cr; prereq #)

Performance of instrumental chamber music. Groups are formed according to the interests of students and availability of materials.

Mus 1080f,s. Jazz Combo. (ArtP; 1 cr; repeatable to 8 cr; prereq #)

Performance of instrumental jazz music with emphasis on improvisation.

Mus 1090f,s. Vocal Chamber Ensemble. (ArtP; 1 cr; repeatable to 8 cr; prereq #)

Performance of vocal ensemble music especially written for smaller groups.

Mus 1101f. Core Studies I: Music Theory I. (4 cr)

First course in a series of four. Basic harmonic techniques, initial analysis of scores, and introduction to four-part writing. Must have adequate skills in grand staff reading at the start of the course. Computer software used throughout the series in the music theory lab.

Mus 1102s. Core Studies I: Music Theory II. (4 cr; prereq 1101)

Harmonic progression and modulation, seventh chords, secondary dominants and sevenths, analysis of scores with attention to two- and three-part forms.

Mus 1200-1220f.s. Individual Performance Studies. (ArtP; 1 cr per sem for each; repeatable to 8 cr; prereq #; special fee required)

Private instruction in the following areas is open to all students. It is recommended that music majors fulfill their requirement of 7 credits in successive enrollments in order to maintain continuous emphasis in the major performance area. The 3200 series is intended for music students who have achieved an advanced performance level. A jury examination in the major performance area is required to progress to the advanced performance series. The examination provides an effective check on the music student's progress. All music majors and other students who anticipate applying for the jury exam should enroll under ABCD-N grading only. *Note: Applied music instructors are not expected to make up sessions for unexcused absences from scheduled lessons.*

- Mus 1200. Piano
- Mus 1201. Piano Accompanying
- Mus 1202. Organ
- Mus 1203. Harpsichord
- Mus 1204. Voice
- Mus 1205. Violin
- Mus 1206. Viola
- Mus 1207. Cello
- Mus 1208. Double Bass
- Mus 1209. Flute
- Mus 1210. Oboe
- Mus 1211. Clarinet
- Mus 1212. Saxophone
- Mus 1213. Bassoon
- Mus 1214. Trumpet
- Mus 1215. French Horn
- Mus 1216. Trombone
- Mus 1217. Baritone
- Mus 1218. Tuba
- Mus 1219. Percussion
- Mus 1220. Recorder

Mus 1300f.s. Concert Band. (ArtP; 1 cr; repeatable to 8 cr; S-N only)

Rehearsals and concerts cover standard and contemporary band literature with emphasis on concert performance. Several concerts annually in addition to a spring concert tour.

Mus 1310f.s. University Choir. (ArtP; 1 cr; repeatable to 8 cr; S-N only)

Preparation of choral works for at least one public concert each semester and other special events. Emphasis on basic choral singing techniques.

Mus 1320f.s. Concert Choir. (ArtP; 1 cr; repeatable to 8 cr; prereq #; S-N only)

Preparation of choral works from all major periods of music literature with emphasis on concert performance. Several public concerts and appearances scheduled each semester in addition to a spring concert tour.

Mus 1330f.s. Jazz Ensemble. (ArtP; 1 cr; repeatable to 8 cr; S-N only)

Rehearsals and concerts cover the literature for this medium.

Mus 1340fs. Orchestra. (ArtP; 1 cr)

The study and preparation of standard orchestral works for performance at several public concerts and appearances each semester in addition to a concert tour. The study of basic orchestral procedure.

Mus 2101f. Core Studies II: Music Theory III. (4 cr; prereq 1102)

Chromatic harmony of the Classical Period; borrowed chords, Neapolitan and augmented sixths; harmonic and formal analysis of scores including variation, sonata, and rondo forms.

Mus 2102s. Core Studies II: Music Theory IV. (4 cr; prereq 2101)

Extended chromatic harmony of the Romantic and later eras; ninth, eleventh, and thirteenth chords; altered dominants and chromatic mediants; analysis of scores including nonfunctional harmony and twelve-tone techniques.

Mus 3101f. Core Studies III: Medieval, Renaissance, and Baroque Music. (Hist; 4 cr; prereq 1102)

Historical development of Western music and representative literature of the various periods and styles.

Mus 3102s. Core Studies III: Classical, Romantic, and 20th-Century Music. (FA; 4 cr; prereq 1102)

Historical development of Western music and representative literature of the various periods and styles.

Mus 3200-3220f.s. Advanced Individual Performance Studies. (ArtP; 1 cr per sem for each; repeatable to 8 cr;

prereq successful completion of jury examination, #) Private instruction in the major performance area for music students at an advanced level of performance. For listing of performance areas, see Mus 1200 above (excluding piano accompanying). *Note: Applied music instructors are not expected to make up sessions for unexcused absences from scheduled lessons.*

Mus 3301f. Instrumental Techniques—Woodwind. (1 cr; not offered 2002-03)

Practical study to develop elementary skills as well as a basic teaching knowledge and understanding of performance problems of the woodwind instruments.

Mus 3302s. Instrumental Techniques—Brass and Percussion. (1 cr; not offered 2002-03)

Practical study to develop elementary skills as well as a basic teaching knowledge and understanding of performance problems of the brass and percussion instruments.

Mus 3303f. Instrumental Techniques—Strings. (1 cr; not offered 2002-03)

Practical study to develop elementary skills as well as a basic teaching knowledge and understanding of performance problems of the string instruments.

Mus 3304s. Vocal Techniques. (1 cr; not offered 2002-03)

Practical study to develop elementary skills as well as a basic teaching knowledge and understanding of performance problems of the voice.

Mus 3311f. Conducting Techniques. (2 cr)

Instrumental and choral conducting skills.

Mus 3321s. Instrumental Conducting and Materials. (2 cr; prereq 3311)

Specialization of instrumental conducting and a survey of ensemble materials for various levels of ability and maturity.

Mus 3331s. Choral Conducting and Materials. (2 cr; prereq 3311)

Specialization of choral conducting and a survey of ensemble materials for various levels of ability and maturity.

Division Structure and Course Descriptions

Mus 3400s. Opera Workshop. (ArtP; 1 cr; repeatable to 4 cr; prereq #)

Practical introduction to opera performance. Students become familiar with a number of operas and musical comedies and perform selections emphasizing ensemble work.

Mus 3500f,s. Composition. (1-4 cr; repeatable; prereq 1101, #)

Original work guided on an individual basis.

Mus 3993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Mus 4101s. Form and Analysis. (4 cr; prereq 1102; not offered 2001-02)

Analysis of musical forms, including harmonic and melodic structure of the phrase, the binary principle, the ternary principle, sonata allegro, rondo, and later alterations of the forms.

Mus 4901f,s. Senior Project. (1 cr; S-N only)

Culminating activity that allows a graduating student to demonstrate competence as a musician. Projects may take the form of a solo recital, lecture-recital, research paper, chamber music recital, or other major study. Project should be determined in the student's junior year and approved by the music faculty. Majors taking Mus 3200 through 3219 normally satisfy this requirement with a senior recital.

Mus 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Continuing Education Courses

Mus 3051. CE: Piano Pedagogy I. (ArtP; 2 cr; prereq 1200 or #; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement)

This course is a study, demonstration, and discussion about the various elements of piano teaching methods, techniques, and materials for elementary and early intermediate levels. This includes analysis of various piano courses and piano literature, discussion of technical regimes, ideas for private and group lessons, and planning for the practical business aspect of teaching. Recommended for piano majors.

Mus 3052. CE: Piano Pedagogy II. (ArtP; 2 cr; prereq 1200 or #; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement)

This course will cover much intermediate literature from each of the four major periods of music with practical ideas to put into immediate use by current teachers. Piano literature to motivate and retain students as well as the study of performance practices as they relate to each musical style will be emphasized.

Natural Science (NSci)

This discipline is in the Division of Science and Mathematics.

Objectives—Courses in this group give students the opportunity to study scientific topics that reach across the boundaries of the traditional disciplines.

Course Descriptions

NSci 1051. The State of the Planet. (Env; 4 cr; offered when feasible)

An investigation of the present physical state of the soil, water, and atmosphere of the earth and how these important systems are changing. Soil generation and erosion, desertification, the hydrologic cycle, global climate change, ozone depletion.

NSci 2100. Variable Topics: Field Experience in Natural History. (Sci; 4 cr; repeatable when topic changes; offered when feasible)

Field study of the natural history of a selected area (possible sites: western Minnesota, the Badlands, the Black Hills, Ireland, and Brazil); study of the geology, natural resources, soils, and vegetation of a region; understanding of the natural history and evolution of the landscape, fauna, and flora; influence of the natural setting on humans and environmental problems associated with human development.

NSci 3100. Scientific Biography and Autobiography. (2 cr; repeatable with #; prereq #; offered when feasible)

The life, work, and times of eminent scientists through biography and autobiography.

NSci 3201. Honors: Relativity and Cosmology. (Sci; 4 cr; prereq Math 1102, Phys 1102; prereq # for students not in Honors Program; offered when feasible)

Special relativity: covariance, Lorentz transformation, Minkowski diagrams, the nature of spacetime. The Cosmological Principle. Hubble's Law. The geometry, kinematics, and dynamics of Friedmann models. Horizons. The age of the universe. Steady-state theory and kinematic relativity.

Philosophy (Phil)

This discipline is in the Division of the Humanities. The philosophy program provides an environment in which students receive rich, well-rounded instruction in philosophy whose pursuit is essential to a liberal arts education.

Objectives—The philosophy program is designed to offer students the opportunity to study systematically the works of significant figures in philosophy; investigate the fundamental problems and systems of thought that frame philosophical inquiry; develop the ability to think and write critically and effectively; and cultivate the logical, analytical, and conversational skills necessary for stimulating and fruitful philosophical inquiry.

Major Requirements

include one from:

- Phil 1111—Philosophical Skills
- Phil 2101—Introduction to Symbolic Logic

any one from:

- Phil 1101—Introduction to Philosophy
- Phil 1121—Introduction to the Philosophy of Religion
- Phil 2111—Introductory Ethics

Phil 2131—Introduction to the Philosophy of Science

Phil 2150—Variable Introductory Topics in Philosophy

any two from:

Phil 3121—Political Philosophy

Phil 3131—Philosophy of Law

Phil 4100—Variable Topics in Moral Issues and Theories

Phil 4111—Ethical Theory

any two from:

Phil 3101—Metaphysics

Phil 3141—The Theory of Knowledge

Phil 4121—Philosophy of Language

Phil 4130—Variable Topics in Contemporary Issues in Philosophy

any two from:

Phil 3151—History of Ancient Philosophy

Phil 3161—History of Medieval Philosophy

Phil 3171—History of Modern Philosophy

Phil 4000—Variable Topics in the History of Philosophy

Phil 4901—Senior Philosophical Defense

Minor Requirements

include one from:

Phil 1111—Philosophical Skills

Phil 2101—Introduction to Symbolic Logic

any one from:

Phil 1101—Introduction to Philosophy

Phil 1121—Introduction to the Philosophy of Religion

Phil 2111—Introductory Ethics

Phil 2131—Introduction to the Philosophy of Science

Phil 2150—Variable Introductory Topics in Philosophy

any one from:

Phil 3121—Political Philosophy

Phil 3131—Philosophy of Law

Phil 4100—Variable Topics in Moral Issues and Theories

Phil 4111—Ethical Theory

any one from:

Phil 3101—Metaphysics

Phil 3141—The Theory of Knowledge

Phil 4121—Philosophy of Language

Phil 4130—Variable Topics in Contemporary Issues in Philosophy

any one from:

Phil 3151—History of Ancient Philosophy

Phil 3161—History of Medieval Philosophy

Phil 3171—History of Modern Philosophy

Phil 4000—Variable Topics in the History of Philosophy

Course Descriptions

Phil 1101. Introduction to Philosophy. (Hum; 4 cr; offered spring 2002, 2003)

An introduction to fundamental philosophical problems, in areas such as metaphysics (what exists?), epistemology (what can we know? and how can we know it?), and ethics (what actions are moral and immoral? and what is the good life?), with an emphasis on developing the reading, writing, and analytical skills required for philosophical investigation.

Phil 1111. Philosophical Skills. (Hum; 4 cr; offered spring, fall 2002)

This is a course in reasoning in which analytical skills for philosophical inquiry are developed. Emphasis on modal properties such as impossibility and necessity; modal relations like implication and consistency; and philosophical fallacies such as question-begging and circularity.

Phil 1121. Introduction to the Philosophy of Religion. (HDiv; 4 cr; offered spring 2002)

An introduction to fundamental philosophical questions concerning religion, such as the notion of divinity, the possibility of proving the existence of a divinity, the relationship between faith and reason, etc. Views belonging to distinct religious traditions as well as to different gender, racial, and social perspectives will be discussed.

Phil 2101f. Introduction to Symbolic Logic. (M/SR; 4 cr)

An introduction to formal or deductive logic, including basic concepts of logical argumentation; Aristotelian logic; and symbolic translations, truth tables, and theory of deduction. Samples from political speeches, philosophical essays as well as original LSAT questions are analyzed.

Phil 2111f. Introductory Ethics. (Hum; 4 cr; offered fall 2002)

An introduction to philosophical accounts of what makes right acts right and wrong acts wrong, issues involving the concept of goodness, and arguments or debates about moral responsibility.

Phil 2112s. Professional Ethics. (E/CR; 4 cr; offered spring 2002)

A critical examination of moral issues that arise in our professions. Possible topics include affirmative action, autonomy in the workplace, ethical issues in advertising, corporate responsibility, coercive wage offers, distributive justice, and sexual harassment.

Phil 2131s. Introduction to the Philosophy of Science. (HDiv; 4 cr; offered spring 2003)

An introduction to modern philosophical discussion concerning the nature of science. Topics cover the basic concepts and logic of scientific inquiry, the aims and values of scientific inquiry, the relationship between scientific progress and truth, and the social and cultural make-up of scientific communities. Readings will include feminist views on science.

Phil 2150. Variable Introductory Topics in Philosophy. (Hum; 4 cr; offered fall 2001, spring 2003)

Exploration of a particular set of philosophical problems. A principal goal is to develop analytical, conversational, and writing skills necessary for philosophical inquiry. Topics will vary from course offering to course offering.

Division Structure and Course Descriptions

Phil 3101. Metaphysics. (Hum; 4 cr; prereq any 1xxx or 2xxx course except 2101; offered spring 2003)

Explores fundamental metaphysical issues such as the nature of reality, the notion of personal identity, the relationship between language, thought, minds, and the world. Philosophical works of both classic and contemporary philosophers such as Plato, Aristotle, Quine, Putnam, and Kripke are discussed.

Phil 3121f. Political Philosophy. (SS; 4 cr; prereq any 1xxx or 2xxx course except 2101; offered fall 2001)

Explores fundamental issues in political philosophy (e.g., political authority; distributive justice; nature, origin, and justification of the state; natural and civil rights) by, among other things, an examination of the works of philosophers such as Plato, Hobbes, Mill, and Rawls.

Phil 3131. Philosophy of Law. (SS; 4 cr; prereq any 1xxx or 2xxx course except 2101; offered spring 2003)

Critical examination of theoretical and practical normative issues in the philosophy of law (e.g., nature of law, justification of punishment, plea bargaining, legal and moral responsibility, and civil disobedience).

Phil 3141. The Theory of Knowledge. (Hum; 4 cr; prereq any 1xxx or 2xxx course except 2101; offered spring 2002)

Explores historical and contemporary views on the limits, justification, and nature of human knowledge. Topics include experiential versus a priori knowledge, the nature of belief, skepticism, and different theories of justification.

Phil 3151. History of Ancient Philosophy. (Hist; 4 cr; prereq any 1xxx or 2xxx course except 2101)

Explore the views of philosophers such as Plato, Aristotle, Epicurus, and the Stoics. Possible topics include ancient views on the nature and possibility of knowledge, the relationship of the soul to the body, and what the good life is for a human being.

Phil 3161. History of Medieval Philosophy. (Hist; 4 cr; prereq any 1xxx or 2xxx course except 2101)

Explore views of philosophers such as Augustine, Boethius, Anselm, Bonaventure, Aquinas, and Ockham. Possible topics include the relationship between faith and reason, the problem of God's foreknowledge and human freedom, and proofs for God's existence.

Phil 3171. History of Modern Philosophy. (Hist; 4 cr; prereq any 1xxx or 2xxx course except 2101)

Explore views of philosophers such as Descartes, Leibniz, Berkeley, Hume, and Kant. Possible topics include the relationship of the mind to the body, and whether and how it is possible to have knowledge of the external world.

Phil 4000f. Variable Topics in the History of Philosophy.

(Hist; 4 cr; repeatable when topic changes; prereq any 1xxx or 2xxx course except 2101; offered fall 2002)
Intensive investigation of a particular philosophical problem, area, or work of a philosopher. Topics vary.

Phil 4100f. Variable Topics in Moral Issues and Theories.

(Hum; 4 cr; repeatable when topic changes; prereq any 1xxx or 2xxx course except 2101; offered fall 2001)
Intensive investigation of a particular problem, area, issue, or theory in moral philosophy. Possible topics include moral responsibility, autonomy, weakness of will, and self-deception. Topics vary.

Phil 4111s. Ethical Theory. (Hum; 4 cr; prereq any 1xxx or 2xxx course except 2101; offered spring 2003)

This course in metaethics focuses on the nature of moral obligation. Topics include: Can moral obligations change with the passage of time? Are genuine moral dilemmas possible? Does "ought" imply "can"? Is moral obligation overriding? Is there a genuine distinction between "subjective" and "objective" moral obligation?

Phil 4121s. Philosophy of Language. (Hum; 4 cr; prereq any 1xxx or 2xxx course except 2101; offered fall 2002)

Traditional and contemporary discussions of philosophical problems such as the nature of language; its relationships to the world, to human thought, and to truth; the nature of logical reasoning; metalogical problems. Readings from philosophers such as Frege, Russell, Quine, Putnam, Goodman, Wittgenstein, and Kripke.

Phil 4130s. Variable Topics in Contemporary Issues in Philosophy. (Hum; 4 cr; repeatable to 8 cr; prereq any 1xxx or 2xxx course except 2101; offered spring 2002)

Exposure to, and critical examination of, philosophical issues of special contemporary interest. Topics may include the nature of analytic philosophy and its relationship to other philosophical traditions such as continental or feminist philosophy, the debate on realism and anti-realism, the notion of objectivity.

Phil 4901. Senior Philosophical Defense. (1 cr)

Writing and defending a senior philosophical thesis is the culminating experience for UMM philosophy majors. Majors develop a piece of their philosophical writing, producing multiple drafts in response to comments from a variety of philosophical viewpoints, and then orally defend their thesis.

Phil 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Phil 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Physical Education and Athletics (PE)

(See Wellness and Sport Science.)

Physical Science (PSci)

(See Natural Science.)

Physics (Phys)

This discipline is in the Division of Science and Mathematics.

Objectives—The physics program is designed to help students understand the concepts of classical and modern physics while also developing their ability to solve quantitative problems in these areas. It provides the opportunity for students to acquire the skills necessary to perform experimental work. The

program develops students' ability to communicate, in form and content, both verbally and in writing, the results of scientific work.

The physics program offers a background suitable for students planning to pursue graduate study or careers in industry, research, or teaching. It also provides a solid foundation for any career requiring analytical reasoning.

Major Requirements

Phys 1101-1102—General Physics I-II (or advanced placement)

Phys 2101—Modern Physics

Phys 2201—Circuits and Electronic Devices

Phys 3101—Classical Mechanics

Phys 3401—Experimental Physics

Phys 4101—Electromagnetism

Phys 4201—Quantum Mechanics

One additional four credit course numbered Phys 3xxx or 4xxx

Phys 4901—Senior Thesis

Math 1101-1102-2101—Calculus I-II-III

Math 2401—Differential Equations

Required courses may not be taken S-N. The GPA in these courses must be at least 2.50.

Minor Requirements

Phys 1101-1102—General Physics I-II (or advanced placement)

Phys 2101—Modern Physics

an additional 4 credits of Phys 2xxx or Phys 3xxx

Math 1101-1102-2101—Calculus I-II-III

Required courses may not be taken S-N. The GPA in these courses must be at least 2.50.

Teacher Preparation Requirements

Students seeking teaching licensure in physics 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Phys 1000. Variable Topics in Physics. (Sci; 2-5 cr; repeatable when topic changes; offered when feasible) Treatment of topics not included in the regular curriculum. Topics may include but need not be restricted to environmental physics, astrophysics, the history of physics, cosmology.

Phys 1051f. Astronomy. (Sci-L; 5 cr)

Motions of celestial objects; the solar system; telescopes and other astronomical instruments; stars and their properties; the life cycles of stars; galaxies; and cosmology. Night viewing sessions required. (4 hrs lect, 2 hrs lab)

Phys 1061f. Physics of Sound and Music. (Sci; 4 cr)

Wave characteristics, sound properties, resonance, the human voice and hearing, basic musical instruments, analysis and synthesis of complex waves, acoustics.

Phys 1101s. General Physics I. (Sci-L; 5 cr; prereq Math 1101 or #)

Vectors, kinematics, laws of motion, circular motion, work-energy theorem, conservation principles, rotational motion, gravitation, simple harmonic oscillations, wave phenomena, fluid mechanics, thermal properties of matter, kinetic theory, laws of thermodynamics. (4 hrs lect and rec, 2 hrs lab)

Phys 1102f. General Physics II. (Sci-L; 5 cr; prereq 1101, Math 1102 or #)

Coulomb's law, electric field, Gauss's law, electric potential, capacitance, dielectrics, current, resistance, circuits, magnetic field, Ampere's law, inductance, Faraday's law, AC circuits, Maxwell's equations, electromagnetic waves, nature of light, reflection, refraction, optical instruments, interference, diffraction. (4 hrs lect and rec, 2 hrs lab)

Phys 2101s. Modern Physics. (Sci-L; 5 cr; prereq 1102, Math 2401 or #)

Special relativity, quantum nature of matter and radiation, Bohr-Sommerfeld atom, atomic spectra, uncertainty principle, Schrödinger equation, hydrogen atom, electron spin, Pauli principle, periodic table, radioactivity, fission and fusion of nuclei, properties of nuclei. (4 hrs lect, 2 hrs lab)

Phys 2201s. Circuits and Electronic Devices. (Sci-L; 4 cr; prereq 1102 or #)

DC and AC circuits, pulses and Fourier analysis, semiconductor physics, p-n junctions, diodes, transistors, amplifiers, feedback, oscillators, operational amplifiers. (3 hrs lect, 3 hrs lab)

Phys 3000. Variable Advanced Topics in Physics. (Sci; 2-5 cr; repeatable when topic changes; offered when feasible) Treatment of topics not included in the regular curriculum. Topics may include but need not be restricted to astrophysics, electronics, laser physics, physics of fluids, plasma physics, superfluidity and superconductivity, solid state physics, spectra of atoms and molecules.

Phys 3101f. Classical Mechanics. (Sci; 4 cr; prereq 2101, Math 2101 or #; not offered 2001-02)

Kinematics and dynamics of a particle, oscillations, central-force motion, systems of particles, rigid-body rotations, gravitation, non-inertial coordinate systems, Lagrangian and Hamiltonian formulations, dynamics of rigid bodies. (4 hrs lect)

Phys 3201s. Mathematical Methods in Physics. (Sci; 4 cr; prereq Math 2101; offered when feasible)

Complex analytic functions, Taylor and Laurent series, calculus of residues, Fourier series and integrals, series solutions of differential equations, partial differential equations, special functions, applications to physics. (4 hrs lect)

Phys 3301s. Optics. (Sci-L; 4 cr; prereq 2101; not offered 2002-03)

Light as a wave phenomenon, electromagnetic nature of light, Huygen's principle, interference, diffraction—Fraunhofer and Fresnel, polarization, dispersion, absorption and scattering. (3 hrs lect, 3 hrs lab)

Phys 3401f. Experimental Physics. (Sci-L; 4 cr; prereq 2101)

An introduction to modern experimental methods. (3 hrs lect, 3 hrs lab)

Division Structure and Course Descriptions

Phys 3501s. Statistical Physics. (Sci; 4 cr; prereq 2101; not offered 2001-02)

Probability distributions, statistical ensembles, statistical thermodynamics, ideal gases, quantum statistics, kinetic theory of transport phenomena. (4 hrs lect)

Phys 4101f. Electromagnetism. (Sci; 4 cr; prereq 2101, Math 2101 or #; not offered 2002-03)

Vector calculus, electrostatics, Laplace and Poisson equations, dielectrics, magnetostatics, magnetic properties of matter, electromagnetic induction, Maxwell's equations, electrodynamics, electromagnetic waves. (4 hrs lect)

Phys 4201s. Quantum Mechanics. (Sci; 4 cr; prereq 2101, Math 2101)

Uncertainty principle, Schrödinger equation, commutation relations, momentum space wave functions, Dirac notation, applications to problems in one dimension and the hydrogen atom, angular momentum. (4 hrs lect)

Phys 4901s. Senior Thesis. (1 cr; prereq sr)

Capstone experience in physics. Investigation of a selected topic of current interest in physics. Presentation of results orally and in writing.

Phys 1993, 2993, 3993, 4993. Directed Study. (1-5 cr; repeatable; prereq #)

Phys 4994. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Political Science (Pol)

This discipline is in the Division of the Social Sciences.

Objectives—Students who complete the political science major are able to critically analyze not only the behavior of political actors, but also their respective political institutions and political systems. The main objectives of the political science major are to enable students to use strong analytical skills and critical thinking in their analysis of theories, institutions, and processes in political science. The program prepares students for work in government and private business, and it prepares students for additional training in law and graduate programs.

A political science major is expected to show knowledge of political institutions, behavior, and processes in domestic and/or international settings. Students learn how and why governments are structured, operate, make policy, and manage social conflict. A political science major is expected to demonstrate a critical understanding of the major schools of political thought. Upon completion of the major, students of political science:

1. have the ability to critically analyze, interpret, and synthesize the theories that are prevalent in a major subfield of political science
2. are more empowered to participate in government due to increased familiarity with politics and government
3. are adequately prepared for entrance into graduate or professional school.

Major Requirements

Major requirements include a minimum of 36 credits taken within the political science discipline, as well as either Stat 1601 or Stat 2601. Courses taken within political science must include:

Pol 1101—Introduction to Political Science

Political science majors must complete all of the requirements in at least one of the following subfields:

Subfield I: American Politics

Pol 1201—American Government and Politics

12 upper division credits in the American politics subfield (Pol 32xx)

8 upper division credits in political theory (Pol 33xx), international relations (Pol 34xx), and/or comparative politics (Pol 35xx)

4 additional elective credits in Pol 3xxx courses

Subfield II: International Relations and Comparative Politics

Pol 1301—Comparative Politics

or Pol 1401—World Politics

12 upper division credits in the international relations and comparative politics subfield (Pol 34xx, Pol 35xx)

8 upper division credits in American politics (Pol 32xx) and/or political theory (Pol 33xx)

4 additional elective credits in Pol 3xxx courses

Subfield III: Political Theory

12 upper division credits in the political theory subfield (Pol 33xx)

8 upper division credits in American politics (Pol 32xx), international relations (Pol 34xx), and/or comparative politics (Pol 35xx)

8 additional elective credits in Pol 3000 courses

Courses with grades of D may not be used to meet the major requirements.

Finally, political science majors are required to construct an academic portfolio. See the division office for details about the contents and the deadlines for submission.

Students are strongly encouraged to take lower division courses in each of the four subfields. In addition, the political science discipline strongly recommends that students take advantage of opportunities in internships, field studies, and study abroad.

Minor Requirements

The political science minor requires at least 20 political science credits. Minors must complete:

Pol 1101—Introduction to Political Science

at least 8 upper division Pol 3xxx credits

Courses with grades of D may not be used to meet the minor requirements.

Teacher Preparation Requirements

Students seeking teaching licensure in social studies 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Pol 1101f. Introduction to Political Science. (E/CR; 4 cr)

Origins and development of politics and government. Survey of contemporary political institutions and behavior. Major perennial questions are investigated at length and in depth. Critical thinking and class discussion provide the focus of the course.

Pol 1201f,s. American Government and Politics. (E/CR; 4 cr)

Analysis of principles, organization, procedures, and powers of government in the United States. The federal system, national constitution, civil and political rights, party system; nature, structure, powers, and procedures of legislative, executive, and judicial departments of the national government.

Pol 1301s. Comparative Politics. (IP; 4 cr)

Examines the nature of political authority, experience of social revolution, and achievement of economic transformation in the context of politics and government in selected countries around the world.

Pol 1401f. World Politics. (IP; 4 cr)

The contemporary international system, including nationalism, international political economy, foreign policy formulation, and global concerns such as the environment and conflict. North/South debate, definitions of power, the new world order, regional vs. global conflicts, and avenues of cooperation.

Pol 2101f. Introduction to Political Science Analysis. (SS; 4 cr; prereq 4 cr in any Pol 1xxx class or #)

Research methodology and statistical tools used in political science. Emphasis includes research designs, theory and hypothesis testing, sampling and survey techniques, and other research strategies utilized in the field. Exposure to statistics and computer statistical packages.

Pol 3101. Political Science Analysis. (SS; 4 cr; prereq Stat 1601 or Stat 2601 or #; not offered 2001-02)

Techniques commonly used in the systematic study of politics. Topics include the use of multivariate regression in political science, the assumptions of the linear model, regression diagnostics, and appropriate corrections. Optional topics include logistic regression, time series analysis, factor analysis, survey methodology, and/or game theory.

Pol 3201f. Legislative Process. (SS; 4 cr; prereq 1201 or #)

The internal organization of Congress, with emphasis on how rules and organizational changes affect the policy process. Topics include the evolution of the modern Congress, the committee system, the role of party leadership, and competing theories of congressional

organization. In addition, comparisons/contrasts are drawn from other legislatures in democracies around the world.

Pol 3211s. The American Presidency. (SS; 4 cr; prereq 1201 or #; not offered 2002-03)

Traces the development of the American presidency over time. Major theories of presidential behavior and success are examined, as well as the literature on presidential popularity and executive/congressional relations.

Pol 3221f. Judicial Politics. (SS; 4 cr; prereq 1201 or #; not offered 2002-03)

Role of judges, police, attorneys, and interest groups within the political system, with analysis focusing on each as political actors. Areas of discretion in the legal system. Extra-legal predictors of judicial decision making and certiorari voting.

Pol 3231s. Constitutional Law: Civil Liberties and Civil Rights. (HDiv; 4 cr; prereq 1201 or #; not offered 2002-03)

Examination of major Supreme Court opinions in the areas of freedom of religion, speech, assembly, and the press. Topics include the definitions of obscenity and libel, the Court's struggle with the right to privacy, and civil rights.

Pol 3232s. Constitutional Law: Governmental Powers and Constraints. (SS; 4 cr; prereq 1201 or #; not offered 2001-02)

Examination of major Supreme Court opinions in the areas of congressional, executive, and judicial authority; nation-state relations; and economic liberties. Topics include substantive vs. procedural due process, the Takings Clause, the contract clause, and the powers to tax and spend.

Pol 3241s. Political Parties and Interest Groups. (SS; 4 cr; prereq 1201 or #; not offered 2001-02)

Organization, operation, and development of political parties and interest groups in the United States.

Pol 3251f. Political Participation and Voting Behavior. (SS; 4 cr; prereq 1201 or #; not offered 2001-02)

This course provides a broad overview of factors influencing the political behavior of groups and individuals both within and outside institutions. Particular emphasis is placed on examining issues such as voter turnout, economic influences on voting patterns, and social movement mobilization.

Pol 3260f,s. Variable Topics in American Politics. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1201 or #)

Selected topics in American politics such as state and local politics, media and politics, minorities and social policy, and political psychology.

Pol 3261s. State and Local Politics. (SS; 4 cr; prereq 1201 or #; not offered 2001-02)

This course examines theoretical discussions of American democracy in the context of the actual performance of American government and society on a variety of levels. Particular emphasis is placed on the ways American democracy functions on the subnational level in states, rural communities, and urban centers. Analysis of principles, organizations, procedures, and functions of state and local government, both urban and rural, in the United States.

Division Structure and Course Descriptions

Pol 3262f. Minorities and Public Policy. (HDiv; 4 cr; prereq 1201 or #)

Analysis of the ways race, ethnicity, and other factors shape political engagement; their implications for public policy and the policy process.

Pol 3263s. Political Psychology. (SS; 4 cr; prereq 1201; Psy 1051 or # recommended; not offered 2002-03)
Examines the utility of concepts from personality and social psychology for conducting political analysis and understanding political behavior. Explores the role of the individual, group processes, and the political context in political decision making by both leaders and nonleaders.

Pol 3264s. American Political Culture. (Hist; 4 cr; prereq 1201 or #; not offered 2001-02)

A survey of the ideas shaping the U.S. political system and Americans' political behavior. Examines the ways that U.S. political culture has shaped institutional development, policy outcomes, and the everyday political experiences within the political system.

Pol 3264Hs. Honors: American Political Culture. (Hist; 4 cr; prereq 1201 or #, # for students not in Honors Program; not offered 2001-02)

Same as Pol 3264. A survey of the ideas shaping the U.S. political system and Americans' political behavior. Examines the ways that U.S. political culture has shaped institutional development, policy outcomes, and the everyday political experiences within the political system.

Pol 3266f. Media and Politics. (SS; 4 cr; prereq 1201 or #; not offered 2001-02)

Relationships between mass media, government, and public in "American Democracy." Democratic theory and media/press, role of informed citizenry in theories of U.S. democracy, role of media in informing the U.S. citizenry. Ways media influences public opinion, relationship of media, public opinion, and elites in politics.

Pol 3301s. Contemporary Political Ideologies. (Hum; 4 cr; prereq 1101 or #)

Major currents of political theory from Marx to present: Marxism, socialism, syndicalism, anarchism, fascism, political ideologies of antidemocratic thought, and totalitarian regimes.

Pol 3350f.s. Variable Topics in Western Political Thought.

(See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1101 or #)

Development of the Western political tradition from classical Greek thought to recent phases of American political life. Possible topics include ancient political thought, medieval political thought, modern political thought, and American political thought.

Pol 3351f. Ancient and Middle Ages. (Hum; 4 cr; prereq 1101 or #)

Survey of classical Greek thought, Plato and Aristotle, primitive natural law, Cynics and Stoics, theory in Roman Republic and Empire, early Christianity and the church fathers, moral theory and political theory, empire and church in ideology, Roman and canon law, St. Thomas, political thought in the 14th and 15th centuries.

Pol 3352s. Modern. (Hum; 4 cr; prereq 1101 or #)
Machiavelli; theories during the Renaissance, Reformation, and Counter-Reformation. Early modern absolutism, the emergence of modern contract theory, constitutionalism, liberalism, and utopianism.

Pol 3353s. American Political Thought. (Hum; 4 cr; prereq 1101 or #)

Development of the American political tradition from the Puritan theocracy to recent phases of American political life.

Pol 3401f. U.S. Foreign Policy. (SS; 4 cr; prereq 1401 or #; not offered 2002-03)

Institutions and processes of American foreign policy. Major factors to be considered and levels of analysis that allow for the examination and dissection of foreign policy decisions. Case study analysis, e.g., Cuban Missile Crisis, Vietnam, Iran/Contra-gate.

Pol 3411f. International Law. (E/CR; 4 cr; prereq 1401 or #; offered when feasible)

Relations of international law to individuals, states, the international community, jurisdictional problems, survey of principles developed by diplomatic agents and consuls, treaties, arbitration, treatment of aliens, pacific settlement. War and hostile measures short of war, military occupation, war crimes, neutrality, collective security sanctions.

Pol 3421f. International Organizations. (E/CR; 4 cr; prereq 1401 or #)

Origins of diplomacy and its role in maintaining communication among nations, including the recent and special role of international organizations. History of the practice of diplomacy, current bilateral diplomatic practices, and multilateral interactions as practiced through the United Nations and the League of Nations before it. Structure and functional agencies of the U.N. and role in international peacekeeping or collective security.

Pol 3450s. Variable Topics in International Relations.

(See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1401 or #)

Advanced topics in international relations, such as comparative foreign policy and international relations theory.

Pol 3451f. Comparative Foreign Policy. (IP; 4 cr; prereq 1401 or #)

Comparative examinations of foreign policies of selected countries, i.e., the United States, China, and Russia (the Soviet Union). The rise and fall of the Cold War; the triangular relationship between Washington, Beijing, and Moscow; Russia's new foreign policy; and U.S. foreign and security policy in the post-Cold War era.

Pol 3452s. International Relations Theory. (IP; 4 cr; prereq 1401 or #; offered when feasible)

Theory and practice of contemporary international relations. Realism and idealism, national power, systems theory, integration theory, war and peace, conflict resolution, and the world government.

Pol 3453s. Russian Politics and Foreign Policy. (IP; 4 cr; prereq 1401 or #)

Domestic and foreign policies of the former Soviet Union from the Bolshevik Revolution to the present. Nature of the Soviet empire, implosion of the Soviet Union, Russian Federalism, democratic and market reforms, ethnic conflicts, nuclear strategy, military policy, and diplomatic style.

Pol 3500s. Variable Topics in Comparative Politics. (See specific topics for general education categories; 4 cr;

repeatable when topic changes; prereq 1101 or #)
In-depth analysis of major government systems from

regions of the world other than Europe or issues in comparative public policy, e.g., comparing social welfare budgetary priority across nation-states.

Pol 3501s. Government and Politics of Asia. (SS; 4 cr; prereq 1101 or #)

Examination of governments, political and leadership changes, and economic developments in China, Japan, and Korea. Modernization, democratization, political pluralism, revolution, authoritarianism, and civil-military relations.

Pol 3502f. Government and Politics of Europe. (SS; 4 cr; prereq 1201, 2101 or #; not offered 2002-03)

The comparative study of contemporary government/politics in Europe. Emphasizes influence of economic, cultural, and other factors. Parties, bureaucracy, legislatures, executives: way in which they reflect and contribute to political life.

Pol 3503s. Women in Politics Worldwide. (IP; 4 cr; prereq 1101 or #; not offered 2002-03)

Examines the ways gender influences politics throughout the world. Topics covered include the “gender gap” and voter turnout, women’s involvement in linkage organizations, such as parties and interest groups, and finally, policy outcomes regarding women in different kinds of political systems.

Pol 3504s. Latin American Politics. (IP; 4 cr; prereq 1301 or #)

A comparative examination of central issues in and components of Latin American political life, including economic development, regimes and alliances, guerrilla wars, the armed forces, human rights, and democratic consolidation. Countries may include Argentina, Brazil, Chile, Columbia, El Salvador, and Cuba.

Pol 3505f. Military and Political Development. (IP; 4 cr; prereq 1301 or #; not offered 2001-02)

Explores military intervention in government and the influence of the military on social and economic policies in a variety of regions.

Pol 3506f. Government and Politics of Africa. (IP; 4 cr; prereq 1301 or #)

Comparative study of government and politics of contemporary Africa, with special attention to state/society relations, interaction of politics and economic development, political institutions, and conflict.

Pol 3507s. Political Violence. (IP; 4 cr; prereq 1301 or #)

Examination of causes, processes, and outcomes of violent social conflict, including repression, mass political protests, riot revolt, terrorism, and revolution.

Pol 3996f,s. Field Study in Political Science. (1-16 cr; repeatable; max of 4 cr may be applied to the major or minor; prereq #; offered when feasible)

Field study of governmental organization; internship with legislature, a state or local administrative office, lobbying group, or other position involving direct experience with government, governmental officials, or political organizations and environment.

Pol 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq pol sci major or #)

Individual research topics; normally restricted to political science majors.

Pol 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Psychology (Psy)

This discipline is in the Division of the Social Sciences. The psychology curriculum focuses on understanding the scientific method and applying it to the problems of the behavioral sciences and individual and social human behavior. It provides students with basic methodological skills, practice in applying these skills, and an introduction to core areas of psychology. The courses meet the needs of liberal arts students as well as students planning to specialize in one of the fields of psychology at the graduate level.

Objectives—(1) Awareness of the range of knowledge (data, methods) in psychology; (2) competency in translating behavioral questions into the terms of scientific inquiry; (3) competency in reading and critically synthesizing the technical literature in psychology; (4) competency in quantifying and statistically analyzing behavior; (5) awareness of ethical issues in psychology.

Major Requirements

Psy 1101-1102—Foundations of Psychology I-II

Stat 1601—Introduction to Statistics

or Stat 2601—Statistical Methods

IS 4101—Introduction to Professional Conduct Codes, Legal Constraints, and Ethics in the Human Services

4 credits from:

Psy 3101—Learning Theory and Behavior Modification

Psy 3111—Sensation and Perception

Psy 3112—Cognition

Psy 3201—Comparative Psychology

Psy 3211—Biological Psychology

20 additional credits in Psy 3xxx or 4xxx courses

or Mgmt 3151—Human Resources Management I

or Pol 3263—Political Psychology

at least 14 credits of which must be earned in courses other than:

Psy 4101—Helping Relationships

Psy 4896—Field Experiences In Psychology

Mgmt 3151—Human Resources Management I

Pol 3263—Political Psychology

and which must include an approved empirical research project of at least 4 credits or its equivalent. The approved research project is normally completed in one of the empirical investigations courses:

Division Structure and Course Descriptions

Psy 4610—Empirical Investigations in Cognitive Psychology

Psy 4620—Empirical Investigations in Biological Psychology

Psy 4630—Empirical Investigations in Personality, Psychopathology, and Psychological Intervention

Psy 4640—Empirical Investigations in Developmental Psychology

Psy 4650—Empirical Investigations in Social Psychology

or with an approved senior honors project (Psy 4994—Senior Honors Project)

Courses with grades of D may not be used to meet the major requirements.

Writing and Computing Components

The writing component of the general education requirements may be met in the following courses that require writing assignments and/or term papers and are required for the major:

Psy 1101-1102, Foundations of Psychology I-II

Any one of the “Empirical Investigations” courses:

Psy 4610—Empirical Investigations in Cognitive Psychology

Psy 4620—Empirical Investigations in Biological Psychology

Psy 4630—Empirical Investigations in Personality, Psychopathology, and Psychological Intervention

Psy 4640—Empirical Investigations in Developmental Psychology

Psy 4650—Empirical Investigations in Social Psychology

Psy 4994—Senior Honors Project

The computing component of the general education requirements may be met in the following courses that require computer activities and are required for the major:

Stat 1601—Introduction to Statistics

or Stat 2601—Statistical Methods

Psy 3601—Quantitative Methods in Psychology also entails extensive computer use, though it is not required for the major.

Any one of the “Empirical Investigations” courses:

Psy 4610—Empirical Investigations in Cognitive Psychology

Psy 4620—Empirical Investigations in Biological Psychology

Psy 4630—Empirical Investigations in Personality, Psychopathology, and Psychological Intervention

Psy 4640—Empirical Investigations in Developmental Psychology

Psy 4650—Empirical Investigations in Social Psychology

Psy 4994—Senior Honors Project

Required courses may not be taken S-N unless offered S-N only.

Minor Requirements

Psy 1101-1102—Foundations of Psychology I-II

Stat 1601—Introduction to Statistics

or Stat 2601—Statistical Methods

IS 4101—Introduction to Professional Conduct Codes, Legal Constraints, and Ethics in the Human Services

4 credits from:

Psy 3101—Learning Theory and Behavior Modification

Psy 3111—Sensation and Perception

Psy 3112—Cognition

Psy 3201—Comparative Psychology

Psy 3211—Biological Psychology

10 additional credits in Psy 3xxx or 4xxx courses at least 6 credits of which must be earned in courses *other than:*

Psy 4101—Helping Relationships

Psy 4896—Field Experiences In Psychology

Courses with grades of D may not be used to meet the minor requirements.

Teacher Preparation Requirements

Students seeking teaching licensure in social studies 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Psy 1051f. Introduction to Psychology. (SS; 4 cr)

An introduction to the science of mind and behavior. Does not count toward the requirements of the psychology major or minor and is insufficient as a prerequisite for psychology lab courses. Topics include history of the field, biological bases for behavior, life span development, memory, cognition, learning, social processes, personality, and psychopathology. Includes laboratory/discussion sessions.

Psy 1061f.s. Introduction to the Development of the Child and Adolescent. (SS; 4 cr; prereq 1051 or both 1101, 1102 or #)

Theory, data, and research approaches in development from birth through adolescence. Prenatal and physical development as well as perceptual, cognitive, language, personality, and social development. Multicultural/global perspective. Designed for students aiming for teacher certification, who receive priority in registration. Does not count for elective credit for the 16-credit psychology component of the LAHS major or for the psychology major or minor. A more in-depth alternative to this course is Psy 3401 and Psy 3402. Students double majoring in education and psychology should consider the Psy 3401 and 3402 alternative to this course.

Psy 1071f. Human Sexuality. (SS; 4 cr)

Survey of aspects of human sexuality, including intimacy and communication; male and female anatomy, physiology, and response; development of identity, sex role, and gender orientation; varieties of sexual expression; pregnancy and childbirth; contraception and disease prevention; sexual coercion and abuse; sexual dysfunctions and their treatment.

Psy 1081s. Drugs and Human Behavior. (SS; 2 cr)

Survey of psychoactive drugs, their effects on mind and behavior, and prevention and treatment of drug abuse.

Psy 1101s. Foundations of Psychology I. (SS; 4 cr)

Biological and cognitive bases of behavior. Topics include brain structure and function, sensory processes, cognition, learning theory, and evolutionary perspectives on behavior. Includes research methods and lab. Designed for psychology majors, minors, and others intending concentrated study in psychology.

Psy 1102f. Foundations of Psychology II. (SS; 4 cr; prereq Stat 1601 or Stat 2601)

Complex human behavior and development: development across the life span, social psychology, emotion and motivation, personality, psychopathology, psychology of health, and psychological interventions. Includes research methods and lab. Designed for psychology majors, minors, and others intending concentrated study in psychology.

Psy 3051s. The Psychology of Women. (HDiv; 4 cr; not offered 2001-02)

Feminist approach to the psychological study of women's personality, behavior, development, language issues, motivation, work and family lives, sexuality, health and psychobiology, adjustment and therapy, and victimization experiences. Focuses on women of color, feminist research methodology, and feminist analysis of psychological theories of women.

Psy 3101s. Learning Theory and Behavior Modification. (SS; 4 cr; prereq 1101, 1102)

Major theories of learning and their importance for understanding human and nonhuman behavior. Classical and operant conditioning, generalization, discrimination, stimulus control, animal cognition. Behavior modification theories and techniques and their application to clinical populations. Lab projects demonstrate learning and behavior modification theories, concepts, and techniques and illustrate research methods and theory testing. Includes lab.

Psy 3111f. Sensation and Perception. (SS; 4 cr; prereq 1101, Stat 1601 or Stat 2601 or #)

Empirical study of sensory processes and perceptual organization with emphasis on vision and audition. Anatomy and physiology of sense organs, psychophysics, signal detection theory, attention, speech perception, and perceptual-motor coordination. Includes lab.

Psy 3112s. Cognition. (SS; 4 cr; prereq 1101, Stat 1601 or Stat 2601 or #)

Empirical study of memory, language behaviors, representation of knowledge, judgment, decision making, problem solving, and creative thinking. Includes lab.

Psy 3201s. Comparative Psychology. (Sci-L; 4 cr; prereq 1101 or Biol 2111)

Phylogenetic comparison of animal behavior emphasizing mechanisms of adaptation. Mechanisms of speciation, behavior genetics, evolution and ontogeny of the central nervous system, ethological determinants of behavior and learning. Includes lab.

Psy 3211f. Biological Psychology. (Sci-L; 5 cr; prereq 1101, 1102)

Brain organization and function; an emphasis on an understanding of the neural processes that underlie human and nonhuman behavior. Incorporates information from psychology, neuroscience, endocrinology, physiology, chemistry, neurology, and zoology to investigate the physiological basis of behavior. Topics

include sensory processes, drugs and addiction, biological rhythms, sexual differentiation, reproduction, methods in neuroscience, neuropsychological disorders, and clinical assessment. Lab projects focus on neuroanatomical organization and function of the brain. (4 hrs lect, 1 hr lab)

Psy 3221f. Behavioral Biology of Women. (Sci; 2 cr; not offered 2001-02)

Exploration of proximate and ultimate influences on female behavior in human and nonhuman species. Sexual differentiation, gender differences in cognition, biological basis of sexual orientation, female sexual selection, and dominance.

Psy 3221Hf. Honors: Behavioral Biology of Women. (Sci; 2 cr; prereq # for students not in Honors Program; not offered 2001-02)

Same as 3221. Exploration of proximate and ultimate influences on female behavior in human and nonhuman species. Sexual differentiation, gender differences in cognition, biological basis of sexual orientation, female sexual selection, and dominance.

Psy 3302f. Personality. (SS; 4 cr; prereq 1051 or 1101-1102, Stat 1601 or 2601)

Nature of personality constructs and theories. Conscious vs. nonconscious processes; emotion and motivation; nature and measurement of personal traits; their dimensional structure, stability, development, and heritability.

Psy 3313s. Psychopathology. (SS; 4 cr; prereq 3301 or 3311 or 3302, Stat 1601 or 2601)

Psychological disorders and their treatment, including anxiety, personality, affective, schizophrenic, and other recognized disorders of children and adults.

Psy 3401f. Developmental Psychology I: Child Psychology. (SS; 4 cr; prereq 1051 or 1101-1102)

Theory, data, and research in development from conception to adolescence. Prenatal and physical development as well as perceptual, cognitive, personality, and social development. Language acquisition and Piaget's theory of cognitive development.

Psy 3402s. Developmental Psychology II: Adolescence. (SS; 2 cr; prereq 1051 or 1101-1102 and either 3401 or 1061)

Theory, data, and research in adolescent development with emphasis on physical, cognitive, and social development.

Psy 3403s. Developmental Psychology III: Adulthood, Aging, and Death. (SS; 2 cr; prereq 1051 or 1101-1102)

Theory, data, and research concerning the age group from young adulthood to old age. Emphasis on physical, cognitive, and social changes.

Psy 3501f. Social Psychology. (SS; 4 cr; prereq 1051 or 1102 or Soc 1101 or #)

Theories and research in the study of interpersonal behavior. Role, self, social learning, exchange, person perception, cognitive consistency, and interpersonal transactions.

Psy 3511s. Applied Social Psychology. (SS; 2 cr; prereq 3501 or #)

A specific topic among applied social psychology fields (e.g., health psychology, psychology of law, environmental psychology) will be explored. Emphasis will be placed on the use of theories and techniques learned in Psy 3501 for the purpose of understanding social issues and/or affecting change. Topics will be announced prior to registration.

Division Structure and Course Descriptions

Psy 3601s. Quantitative Methods in Psychology. (M/SR; 4 cr; prereq 1101-1102, Stat 1601 or Stat 2601)
Intermediate course in research design and data analysis. Analysis of variance, regression and correlation, non-parametric methods, use of microcomputer statistical packages.

Psy 3611s. History and Philosophy of Psychology. (Hist; 2 cr; not offered 2002-03)
Historical roots and comparative features of major theoretical systems in psychology, including their viewpoints on scientific methodology, research interests, and techniques. Component variables, hypotheses, and laws of structural, functional, behavioristic, Gestalt, psychoanalytic, and existential movements and their modern syntheses.

Psy 4101fs. Helping Relationships. (SS; 4 cr; prereq 3311)
Approaches to counseling and psychotherapy. Theories of helping relationships. Acquisition of helping skills, including attending behavior, reflection of feeling, paraphrasing, confrontation, and summarization. Major humanistic, cognitive, and behavioral approaches. Didactic instruction, observation of counseling and psychotherapeutic techniques, and practical experiences.

Psy 4610f. Empirical Investigations in Cognitive Psychology. (SS; 4 cr; repeatable; prereq 3111 or 3112)
Empirical investigations by students in any area covered by Cognitive Psychology I and II, as well as related areas. Includes lab.

Psy 4620f. Empirical Investigations in Biological Psychology. (Sci; 4 cr; repeatable; prereq 3211)
Empirical investigations by students in any area covered by Biological Psychology, as well as related areas. Includes lab.

Psy 4630f. Empirical Investigations in Personality, Psychopathology, and Psychological Intervention. (SS; 4 cr; repeatable; prereq 3311)
Empirical investigations in human emotion, motivation, individual differences, psychopathology, and psychological intervention. Includes lab.

Psy 4640f. Empirical Investigations in Developmental Psychology. (SS; 4 cr; repeatable; prereq 3401 or 3402 or 3403, #)
Individual reading and empirical research on any topic. Objective is greater depth than is possible in Psy 3401, 3402, 3403 and demonstration of research competency. Includes lab.

Psy 4650f. Empirical Investigations in Social Psychology. (SS; 4 cr; repeatable; prereq 3501 or #)
Seminar instruction on topics of student and staff interests. Students will complete an empirical project and paper. Includes lab.

Psy 4896f.s. Field Experiences in Psychology. (SS [if taken for 2 or more cr]; 1-4 cr; repeatable, only 4 cr may be applied to the BA or the Psy major; prereq #, which normally requires 4101 for work in psychiatric settings, 3301, 3311, 3401 or 3402 for work in schools; S-N only)
Individually arranged, supervised observation of and assistance with activities of professional psychologists in schools, clinics, hospitals, and other field settings.

Psy 1993f.s, 2993f.s, 3993f.s, 4993f.s. Directed Study. (1-5 cr; repeatable; prereq #)
Individualized instruction for advanced undergraduates. Content and manner of instruction depends on interests of students and faculty. Individual research and reading

projects in selected areas supervised by faculty members as well as seminars concerned with in-depth exploration of topics of current interest; topics to be announced.

Psy 4994f.s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)
A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Russian (Russ)

This discipline is in the Division of the Humanities. The purpose of the Russian curriculum is to introduce students to the language and culture of the Russian people. The program is designed to promote a global perspective by encouraging students to examine another culture primarily, but not exclusively, through its language. The introductory course satisfies the foreign language requirement.

Objectives—Students develop at an introductory level a number of skills in Russian: speaking, reading, listening, and writing. They gain an awareness of the structure of languages and an elementary facility with the Russian idiom.

Course Descriptions

Russ 1001f. Beginning Russian I. (FL; 4 cr; not offered 2001-02)

Introduction to Russian as it is spoken and written presently. The course acquaints students with the basic sounds and vocabulary of Russian and enables them to understand, read, and write the language and to communicate in Russian about everyday situations. It makes them aware of the relationship between culture and language.

Russ 1002s. Beginning Russian II. (FL; 4 cr; prereq 1001 or placement or #; not offered 2001-02)
Continuation of 1001.

Secondary Education

(See Education, Secondary.)

Social Science Major

This interdisciplinary major is in the Division of the Social Sciences.

Objective—Students will understand how each social science discipline structures and advances knowledge, raises and answers analytical questions, and deals with competing theories and the changing nature of the field. Students develop an area of concentration in a single discipline or an interdisciplinary social science area.

Advising and Evaluation—Students work closely with their advisers to plan a program that satisfies the required competencies in a chosen area of concentration and in the social science disciplines.

Program—While the programs of individual students may vary, based upon arrangements approved by the divisional committee for the social science major, the minimum competencies required for each discipline normally may be achieved by completion of the following courses:

Anth 1111—Introductory Cultural Anthropology

Econ 1112—Principles of Macroeconomics

Econ 1951—Seminar for Social Science Majors

Geog 1001—Problems in Geography

or Geog 3111—Geography of Minnesota

Hist 1301—Introduction to United States History

Pol 1201—American Government and Politics

Psy 1051—Introduction to Psychology

Soc 1101—Introductory Sociology

Stat 1601—Introduction to Statistics or equivalent proficiency in statistics approved by the divisional committee for the social science major
three to five courses in the area of concentration, which in a single social science discipline is individually developed in consultation with a social science adviser and usually entails 12-20 credits beyond the minimums. Courses with grades of D may not be used to meet the major requirements.

Teacher Preparation Requirements

Students seeking teaching licensure in social studies 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Anth 1111f,s. Introductory Cultural Anthropology. (SS; 4 cr)

Varieties and range of human behavior as revealed through the comparative study of cultures throughout the world. Concepts developed by anthropologists to explain both the unity and diversity of humankind.

Econ 1112f,s. Principles of Macroeconomics. (SS; 4 cr; prereq high school algebra or #)

Introduction to basic economic problems, concepts, and theoretical models. Measurement of economic performance; national income, inflation and unemployment; competing macroeconomic theories and stabilizing policies.

Econ 1951f,s. Seminar for Social Science Majors. (1 cr; prereq 1111, 1112; no cr for students who are concurrently enrolled in or have received cr for 3xxx Econ courses; S-N only)

Familiarization with various journals, periodicals, and sources of statistical information that deal with current developments in economics.

Geog 1001s. Problems in Geography. (Env; 4 cr; offered when feasible)

Basic concepts and questions of geography. The terminology of geography; some modern trends in geography; interpretation of geographical data; select problems of human, physical, economic, and cultural geography.

Geog 3111. Geography of Minnesota. (Env; 4 cr; prereq #; offered when feasible)

The changing geography of Minnesota and the upper Midwest. Legacy from the railroad era, transformation into the auto-air age, the emerging future.

Hist 1301f. Introduction to U.S. History. (Hist; 4 cr)

Methods, themes, and problems in the study of the history of the United States.

Pol 1201f,s. American Government and Politics. (E/CR; 4 cr)

Analysis of principles, organization, procedures, and powers of government in the United States. The federal system, national constitution, civil and political rights, party system; nature, structure, powers, and procedures of legislative, executive, and judicial departments of the national government.

Psy 1051f. Introduction to Psychology. (SS; 4 cr)

An introduction to the science of mind and behavior intended for those not planning to major in psychology; does not count toward the requirements of the psychology major and is insufficient as a prerequisite for psychology lab courses. Topics include history of the field, biological bases for behavior, life span development, memory, cognition, learning, social processes, personality, and psychopathology. Includes laboratory/discussion sessions.

Soc 1101f,s. Introductory Sociology. (SS; 4 cr)

Basic concepts, theories, and methods of sociology; survey of some of the institutional areas in which sociologists specialize.

Stat 1601f,s. Introduction to Statistics. (M/SR; 4 cr; prereq high school higher algebra)

Scope, nature, tools, language, and interpretation of elementary statistics. Descriptive statistics; graphical and numerical representation of information; measures of location, dispersion, position, and dependence; exploratory data analysis. Elementary probability theory, discrete and continuous probability models. Inferential statistics, point and interval estimation, tests of statistical hypotheses. Inferences involving one and two populations, ANOVA, regression analysis, and chi-squared tests; use of statistical computer packages.

Sociology (Soc)

This discipline is in the Division of the Social Sciences.

Objectives—The sociology curriculum (with support from anthropology courses) is designed to acquaint students with the concerns, theories, and methods of the science that deals with groups, culture, and interpersonal relations of human beings. In addition to an introduction to sociology as a science, an effort is made to relate human values broadly to the theories, methods, and data of sociology. The courses are

Division Structure and Course Descriptions

designed to meet the needs of liberal arts students as well as students preparing for graduate school.

Major Requirements

a minimum of 36 credits in sociology and anthropology, 28 of which must be in 2xxx, 3xxx, and 4xxx courses and which must include:

Soc 1101—Introductory Sociology

Soc 3101—Research Methodology I

Soc 4991—Independent Project Seminar

one course from:

Soc 3401—Classical Sociological Theory

Soc 3402—Contemporary Sociological Theory

Stat 1601—Introduction to Statistics is strongly recommended

Students should choose a faculty adviser as early as possible after declaring the major. Advisers help students choose appropriate tracks or combinations of classes and assist in arranging internships. Up to 4 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B.

Minor Requirements

A sociology minor consists of:

a minimum of 6 courses (24 credits), including:

Soc 1101—Introductory Sociology

Soc 3101—Research Methodology I

either Soc 3401—Classical Sociological Theory

or Soc 3402—Contemporary Sociological Theory

three electives

Soc 4991—Independent Project Seminar is highly recommended

Teacher Preparation Requirements

Students seeking teaching licensure in social studies 5-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Soc 1101f.s. Introductory Sociology. (SS; 4 cr)

Basic concepts, theories, and methods of sociology; survey of some of the institutional areas in which sociologists specialize.

Soc 2101f. Prejudice, Discrimination, and Systems of Oppression. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Patterns of group dominance, exploitation, and hate in the United States and globally. Emphasis on sexism, racism, and homophobia with some attention to other systems of oppression such as ageism and ableism.

Soc 2300f.s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111)

Same as Anth 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Soc 2301f. Social Change and Development in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 2302s. Women in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 2302Hs. Honors: Women in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111, # for students not in Honors Program)

Same as Anth 2302H. In addition to regular course work, honors students are required to compose one creative research paper and acquire pedagogical skills through leading occasional class discussions.

Soc 2451f. 20th-Century Native Americans. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Same as Anth 2451. The cultures, problems, and resurgence of Native Americans in the 20th century. Government policies; education, religion, self-determination, family, gaming, etc.

Soc 3101f. Research Methodology I. (4 cr; prereq 1101) Introduction to research procedures used in sociology, including sociological statistics. Overview of both quantitative and qualitative techniques in context of professional sociological research and student research design. Development of research design. Questions of validity and reliability examined in the context of professional sociological research and student research design.

Soc 3102s. Research Methodology II. (4 cr; prereq 3101) Practical issues in sociological research; quantitative research project design, execution, and analysis, reporting and presentation; SPSS data analysis.

Soc 3111s. Sociology of Modernization. (IP; 4 cr; not offered 2001-02)

Process of modernization in non-Western societies. Social, economic, and political impact of modernization from different theoretical perspectives. Assessment of those theoretical perspectives as a means to understand dynamics of change in Third World countries.

Soc 3121f. Sociology of Gender. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Relationships among sex, gender, and society. Gender as a factor in stratification systems, social interaction, and institutions such as the economy, the family, and religion.

Soc 3131f. World Population. (Envt; 4 cr; prereq 1101) Population theory and demographic method. Dynamics of fertility and mortality as the basis of population forecasting and its policy implications. Emphasis on the tie between Third World demographic trends and population issues in the rest of the world.

Soc 3141f. Sociology of Deviance. (E/CR; 4 cr; prereq 4 cr in Soc)

Theoretical and empirical issues recurring in the sociological literature on deviant behavior.

Soc 3200s. Variable Topics in Social Stratification. (HDiv; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111; offered when feasible)

Hierarchies of power, wealth, and prestige; analysis of various theories of stratification. Class, status, race, minorities (e.g., African Americans, American Indians), caste, and gender evaluated in terms of stratification.

Soc 3250f.s. Variable Topics in Social Structure. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111) In-depth study of one topic in sociology such as African American social institutions, the economic and social elite, bureaucracy, urban communities, social control, population, and demography.

Soc 3251f. African Americans. (HDiv; 4 cr; prereq 1101 or Anth 1111)

Soc 3252s. Women in Muslim Society. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 3300s. Variable Topics in Area Studies. (IP; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111) Same as Anth 3300. In-depth study of societies and cultures (values, religions, politics, economic institutions, kinship, family organization) of a particular part of the world, e.g., Africa, India and South Asia, China, Pacific Islands.

Soc 3301s. India and South Asia. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 3401f. Classical Sociological Theory. (SS; 4 cr; 5 addtl cr in Soc recommended; prereq 1101; 4 addtl cr in Soc recommended)

Survey of major developments in classical sociological theory, with emphasis on the “Big Three”—Marx, Durkheim, and Weber, among others. Emphasis on sociological ideas in relation to the principal intellectual currents of European and American society.

Soc 3402s. Contemporary Sociological Theory. (SS; 4 cr; 5 addtl cr in Soc recommended; prereq 1101; 4 addtl cr in Soc recommended; not offered 2001-02)

Survey of recent developments, trends, and debates in contemporary sociological theory; relationship of contemporary theories to classical theories and to current trends in European, American, and non-Western thought.

Soc 3411s. Seminar in Anthropological Methodology. (E/CR; 4 cr; prereq 1101 or Anth 1111, 4 addtl cr in Soc or Anth) Same as Anth 3411. Exploration and evaluation of methods used in cultural anthropology; qualitative methods in sociology and anthropology; research ethics; design and execution of qualitative research project.

Soc 4100. Tutorial in Sociological Theory. (2-4 cr; repeatable to 8 cr; prereq 3401 or 3402; 5 addtl cr in Soc recommended)

Examines specific theorist(s). Topics vary according to student and staff interests and are announced in advance.

Soc 4991s. Independent Project Seminar. (5 cr; prereq 3101, 3401 or 3402)

Seminar to guide sociology majors in the completion of an independent study project; selection, definition, and execution of research project; small-group and one-to-one consultation and advising on defining a research topic, designing and planning its execution, developing a bibliography, relating relevant theoretical perspectives to research materials, organizing and writing a research paper.

Soc 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)
Research, field, or cultural experiences.

Soc 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Spanish (Span)

This discipline is in the Division of the Humanities. It promotes a global perspective by encouraging students to take a close look at another culture and in this way become aware of both the diversity and similarity among all people.

Objectives—The Spanish curriculum offers coursework in Hispanic culture, language, and literature. The courses are designed to help students develop critical insight into the philosophy and values of another culture, fluency in a second language, and sensitivity toward literature that reflects the experience of the Spanish-speaking world. The curriculum accommodates liberal arts students interested in a cross-cultural perspective, language study, secondary school teaching, or preparation for graduate study in the field.

Major Requirements

Span 2001—Intermediate Spanish I

Span 2002—Intermediate Spanish II or equivalent

Span 3001—Advanced Spanish I

Span 3002—Advanced Spanish II

Span 3101—Introduction to Spanish Literature

Span 3201—Masterpieces of Spanish Peninsular Literature I

Span 3202—Masterpieces of Spanish Peninsular Literature II

Span 3301—Masterpieces of Latin American Literature I

Span 3302—Masterpieces of Latin American Literature II

one additional course from:

Span 3400—Variable Topics in Latin American Literature

Span 3500—Variable Topics in Spanish Peninsular Literature

a foreign study experience and regular use of the language laboratory are strongly recommended to maintain language skills

Latin American area studies courses are also recommended

Courses with grades of D may not be used to meet the major requirements.

Minor Requirements

Span 2001—Intermediate Spanish I

Span 2002—Intermediate Spanish II or equivalent

Span 3001—Advanced Spanish I

Span 3002—Advanced Spanish II

Span 3101—Introduction to Spanish Literature

three additional literature courses from:

Span 3201—Masterpieces of Spanish Peninsular Literature I

Span 3202—Masterpieces of Spanish Peninsular Literature II

Division Structure and Course Descriptions

Span 3301—Masterpieces of Latin American Literature I

Span 3302—Masterpieces of Latin American Literature II

Span 3400—Variable Topics in Latin American Literature

Span 3500—Variable Topics in Spanish Peninsular Literature

a foreign study experience and regular use of the language laboratory are recommended to maintain language skills

Latin American area studies courses are also recommended

Courses with grades of D may not be used to meet the minor requirements.

Teacher Preparation Requirements

Students seeking teaching licensure in Spanish K-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Required Proficiency/Placement

Examination—Students who plan to complete courses in the same language that they studied in high school must take the proficiency/placement examination and abide by the placement recommendation. If, after an initial exposure to the recommended course, the placement seems inappropriate, students may follow the recommendation of their language instructor as to the proper entry course.

Students not Majoring or Minor in Spanish

For an in-depth *cultural emphasis*, students should complete:

Span 1001—Beginning Spanish I

Span 1002—Beginning Spanish II or equivalent

Span 2001—Intermediate Spanish I

Span 2002—Intermediate Spanish II

Span 3101—Introduction to Spanish Literature an additional literature course

courses in Latin American area studies and a foreign study experience are recommended

For an in-depth *language emphasis*, students should complete:

Span 1001—Beginning Spanish I

Span 1002—Beginning Spanish II or equivalent

Span 2001—Intermediate Spanish I

Span 2002—Intermediate Spanish II

Span 3001—Advanced Spanish I

Span 3002—Advanced Spanish II

a foreign study experience, special projects in language, and regular use of the language lab are recommended to maintain language skills

Course Descriptions

Note: Students may not receive credit twice for a course that is offered in both English and Spanish.

Span 1001f. Beginning Spanish I. (FL; 4 cr)

Study of basic skills of Spanish (reading, speaking, writing, listening) and cultural contexts of Latin America and Spain. Students should demonstrate the ability to: read and comprehend materials such as ads, instructions, etc.; engage in simple conversations in Spanish, to speak about themselves and express their basic needs; construct sentences and questions in Spanish in order to write accurately at the short paragraph level; comprehend short conversations.

Span 1002s. Beginning Spanish II. (FL; 4 cr; prereq 1001 or placement or #)

Second course in the sequence beginning with 1001.

Span 2001f. Intermediate Spanish I. (IP; 4 cr; prereq 1002 or placement or #)

Review and building of skills with a focus on basic Spanish language structures and tenses. Students should demonstrate the ability to read critically and understand the context of literary and cultural items; respond to simple questions, avoid basic pronunciation errors, engage in short conversations, discuss assigned themes at some length; write accurately at the paragraph level, avoiding common grammatical errors; comprehend conversations.

Span 2002s. Intermediate Spanish II. (IP; 4 cr; prereq 2001 or placement or #)

Review and building of skills in more complex language structures, tenses, and moods. Students should demonstrate the ability to read with some basic literary analysis and analyze cultural differences; read out loud with understanding, speak in emotive and persuasive language contexts, hold conversations, speak extemporaneously on assigned topics; write analytically and accurately at the short paper level; comprehend short dialogues and paragraphs.

Span 3001f. Advanced Spanish I. (IP; 4 cr)

Study of complex language structures, expansion and reinforcement of grammar constructions, and analysis of literary and/or cultural readings. Students should demonstrate the ability to carefully read, comprehend, and analyze literary works and/or cultural readings; discuss motives and themes in such works, read out loud with proficiency and meaning, hold sustained conversations; use correct grammar to write and present compositions analyzing the works; comprehend main points in Scola televised presentations and materials.

Span 3002s. Advanced Spanish II. (IP; 4 cr; prereq 3001, ¶3101)

Second course in the sequence beginning with 3001.

Span 3101s. Introduction to Spanish Literature. (Hum; 4 cr, prereq 3001, ¶3002)

Study of a variety of literary genres representing the literature of Spain and Latin America; rudiments of literary analysis and interpretation. Students should demonstrate the ability to read and comprehend the literary works studied, analyze works critically while developing a sensitivity toward certain cultural aspects and literary nuances expressed therein; participate in and comprehend sustained class discussion with respect to certain topics or themes; write with accuracy in Spanish and show some degree of analytical proficiency at the short paper level.

Span 3201f. Masterpieces of Spanish Peninsular Literature I. (Hum; 4 cr; prereq 3001, 3002, 3101)

Masterpieces from the Generation of 1898 and the Contemporary Period. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3202s. Masterpieces of Spanish Peninsular Literature II. (Hum; 4 cr; prereq 3201)

Masterpieces from Medieval, Renaissance, Golden Age, 18th century, and 19th century. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3301f. Masterpieces of Latin American Literature I. (Hum; 4 cr; prereq 3002, 3101)

Masterpieces from Latin America in the 20th century. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3302s. Masterpieces of Latin American Literature II. (Hum; 4 cr; prereq 3002, 3101)

Masterpieces from Latin America from 1492 to 1900. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3400s. Variable Topics in Latin American Literature. (Hum; 4 cr; repeatable when topic changes; prereq 3002, 3101)

Topic to be announced. Students should demonstrate the ability to analyze literary texts, using the text as well as aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3500f. Variable Topics in Spanish Peninsular Literature. (Hum; 4 cr, repeatable when topic changes; prereq 3002, 3101)

Topic to be announced. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)**Span 4994f,s. Senior Honors Project.** (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”

Speech Communication (Spch)

This discipline is in the Division of the Humanities. The speech communication curriculum is designed to introduce UMM students to the study of the multidimensional nature of oral communication, including rhetoric, human communication, and electronic mass media; to promote the skills of lifelong learning as producers and consumers of messages; to develop in students the capabilities for active involvement in a participatory democracy.

Objectives—Students develop a historical and theoretical understanding of the three areas of speech communication: rhetoric, communications, electronic mass media. Students use a variety of assigned theoretical approaches appropriate to these three areas to describe and evaluate assigned or chosen discourse.

Students participate in a variety of oral communication assignments using informative and persuasive speaking techniques effectively.

Major Requirements

Prerequisite/Foundation Course

Spch 2101—Introduction to Speech Communication

Major Core Courses

Spch 3101—History of Rhetoric From the Classical to Modern Periods

Spch 3301—Media Theory, Criticism, and Problems

Spch 3401—Human Communication Theory

one course from:

Spch 3111—History of Rhetoric in the Contemporary Period

Spch 3200—Variable Topics in Public Address

one course from:

Spch 3311—Social Uses of the Media

Spch 3321—Television Broadcasting

one course from:

Spch 3411—Intercultural Communication Theory and Research

Spch 3421—Organizational Communication Theory and Research

one course from:

Spch 4151—Argumentation: Theory and Practice

Spch 4201—Persuasion: Receiver Analysis

Elective

One additional 3xxx or 4xxx Spch course.

Senior Seminar

Seniors must complete one from:

Spch 4901—Speech Communication Seminar

Division Structure and Course Descriptions

or a designated topics course approved by the speech communication discipline:

Spch 4000—Variable Topics in Speech Communication

Spch 4100—Variable Topics in Freedom of Speech

Up to 4 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B. Required courses may not be taken S-N unless only offered S-N.

Minor Requirements

Spch 2101—Introduction to Speech Communication

one course from:

Spch 4151—Argumentation: Theory and Practice

Spch 4201—Persuasion: Receiver Analysis

one course from:

Spch 3101—History of Rhetoric From the Classical to Modern Periods

Spch 3111—History of Rhetoric in the Contemporary Period

Spch 3200—Topics in Public Address

one course from:

Spch 3301—Media Theory, Criticism, and Problems

Spch 3311—Social Uses of the Media

Spch 3321—Television Broadcasting

one course from:

Spch 3401—Human Communication Theory

Spch 3411—Intercultural Communication Theory and Research

Spch 3421—Organizational Communication Theory and Research

Up to 4 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B. Required courses may not be taken S-N unless offered S-N only.

Teacher Preparation Requirements

Students seeking teaching licensure in communication arts and literature 5-12 should refer to the Education, Secondary (SeEd) section of this catalog. Students completing the course requirements for licensure in communication arts and literature earn an English major.

Course Descriptions

Spch 1000f. Variable Topics in Introduction to Public Speaking. (E/CR; 4 cr; repeatable when topic changes; not open to students who have taken 1051; offered when feasible)

Theory and practice within specific speaking situations that use various arguments, e.g., presentational, deliberative, or forensic.

Spch 1051f,s. Introduction to Public Speaking. (E/CR; 4 cr) Public address and directed practice in a variety of speech situations.

Spch 1061f. Interpersonal Communication. (SS; 4 cr; not offered 2002-03)
Basic theory and practice of interpersonal communication in a variety of contexts.

Spch 1071f. Introduction to Groups: Principles and Practices. (SS; 4 cr)

Group theory and directed practice in a variety of group situations, e.g., panels, symposia, and forums.

Spch 2101s. Introduction to Speech Communication. (Hum; 4 cr)

A survey of the field of study that has emerged around the oral communication tradition. Students learn the history, theories, and contexts of communication study that prepare them for upper-division courses.

Spch 3101f. History of Rhetoric From the Classical to Modern Periods. (IP; 4 cr; prereq 2101 or #)

Rhetoric from the classical theories of Corax and Tisias, Aristotle, and Cicero to the modern theories of Blair, Campbell, and Whately.

Spch 3111s. History of Rhetoric in the Contemporary Period. (Hum; 4 cr; prereq 2101 or #)

Detailed study of the development of contemporary rhetorical theory, with particular emphasis placed on the use of those theories in the development of rhetorical criticism.

Spch 3200f. Variable Topics in Public Address. (Hum; 4 cr; repeatable when topic changes; prereq 2101 or #; not offered 2001-02)

Analysis and evaluation of situated discourse. Topics may include British and American public address, inaugurations, rhetorical practice of non-dominant cultural groups.

Spch 3301s. Media Theory, Criticism, and Problems. (SS; 4 cr; prereq 2101 or #)

Theories, research studies, current trends, and various critical approaches to examine and explain the reflexive relationships between media and society.

Spch 3311s. Social Uses of the Media. (E/CR; 4 cr; prereq 2101 or #)

Participation in the planning, production, and performance of television projects designed to serve various publics, such as campus units or the community.

Spch 3321f. Principles of Television Broadcasting. (Hum; 4 cr; prereq 2101 or #)

Basic theories and practice: equipment, procedures, and skills associated with writing for and the production of televised broadcasting. Lectures, studio projects, class critiques.

Spch 3401f. Human Communication Theory. (SS; 4 cr; prereq 2101 or #)

Detailed study of the theoretical tradition of human communication. Focuses on social scientific and humanities theories used to explain social interaction. Provides general foundation on various traditions of inquiry as well as qualitative and quantitative methods.

Spch 3411f. Intercultural Communication Theory and Research. (HDiv; 4 cr; prereq 2101 or #)

Study of intercultural communication from an interpersonal and group perspective.

Spch 3421s. Organizational Communication Theory and Research. (SS; 4 cr; prereq 2101 or #)

Study of organizational communication, including small group perspectives.

Spch 4000. Variable Topics in Speech Communication. (4 cr; repeatable when topic changes; prereq 2101 or #; offered when feasible)

Varying topics relating to speech communication that are not ordinarily included in other speech communication courses.

Spch 4100f. Variable Topics in Freedom of Speech. (1P; 4 cr; repeatable when topic changes; not offered 2001-02)

Topics may include freedom of speech in the schools, history of free speech, or the contribution of a single Supreme Court justice to the development of free speech. Emphasis on reading and discussion of Supreme Court decisions.

Spch 4151f. Argumentation: Theory and Practice. (Hum; 4 cr; prereq 2101 or #)

A study of rhetorical argument design and evaluation. Students will analyze and critique arguments, as well as plan and present formal speeches.

Spch 4201s. Persuasion: Receiver Analysis. (Hum; 4 cr; prereq 2101 or #)

Investigation of persuasion theory and research from rhetorical and social science perspectives. Students will analyze particular instances of persuasive attempts.

Spch 4800f,s. Directed Experience in Teaching Speech Communication. (1-4 cr; repeatable to 8 cr; prereq #; S-N only)

Practice as facilitators in the introductory-level speech courses; weekly seminar sessions focus on method, planning, and problems in speech communication instruction.

Spch 4901s. Speech Communication Seminar. (Hum; 4 cr; prereq sr, 2101, 3101, 3301, 3401, or #)

Capstone experience for majors in which students plan and conduct a project of original study that investigates a question about communication. Students select their own research methodology and implement it, presenting their findings in written and oral presentations.

Spch 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Spch 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Statistics (Stat)

This discipline is in the Division of Science and Mathematics.

Objectives—The statistics program provides an effective operational knowledge of the theory and methods of statistics and the application of statistical methods in a liberal arts environment. It seeks to enhance students' critical thinking in making judgments based on data and provides students with the basic knowledge and skills to make contributions to modern society. The curriculum also prepares students to enter graduate school or pursue careers in statistical fields. Students interested in statistics design an area of concentration or emphasis in consultation with statistics faculty.

Suggested Requirements for Area of Concentration

(See page 57 for more information on majors and areas of concentration.)

Math 1101-1102—Calculus I-II

Stat 1601—Introduction to Statistics

or Stat 2601—Statistical Methods

Math/Stat 2501—Probability and Stochastic Processes

Stat 2611—Mathematical Statistics

Stat 3601—Data Analysis

Stat 4901—Senior Seminar

8 additional credits in statistics courses:

Stat 3611—Multivariate Statistical Analysis

Stat 4601—Biostatistics

Stat 4652—Variable Topics in Statistics

Stat x993—Directed Study in Statistics

A minimum of 4 credits to be chosen from:

Math 2101—Calculus III.

Math 2111—Linear Algebra

Math 2201—Mathematical Perspectives

Math 3201—Analysis

Math 3401—Operations Research

Math 3501—Applied Deterministic Modeling for Management Science

Math 3502—Applied Probabilistic Modeling for Management Science

CSci 1211—Introduction to Problem Solving with Java

CSci 1301—Problem Solving and Algorithm Development I

CSci 1302—Problem Solving and Algorithm Development II

Econ 3501—Introduction to Econometrics

Pol 3101—Political Science Analysis

Psy 3601—Quantitative Methods in Psychology

Soc 3101—Research Methodology I

Soc 3102—Research Methodology II

Other courses with faculty approval

Students planning to pursue graduate work in statistics or biostatistics should complete Math 2101—Calculus III and consider taking Math 2201—Mathematical Perspectives and Math 3211—Analysis for Ph.D. preparation.

Suggested Requirements for Area of Emphasis

(See page 58 for more information on minors and areas of emphasis.)

Stat 1601—Introduction to Statistics

or Stat 2601—Statistical Methods

Stat 3601—Data Analysis

A minimum of 16 additional credits from courses listed in the area of concentration section or approved courses, with at least one course with a Stat designator.

Division Structure and Course Descriptions

Course Descriptions

Stat 1601f,s. Introduction to Statistics. (M/SR; 4 cr; prereq high school higher algebra)

Scope, nature, tools, language, and interpretation of elementary statistics. Descriptive statistics; graphical and numerical representation of information; measures of location, dispersion, position, and dependence; exploratory data analysis. Elementary probability theory, discrete and continuous probability models. Inferential statistics, point and interval estimation, tests of statistical hypotheses. Inferences involving one and two populations, ANOVA, regression analysis, and chi-squared tests; use of statistical computer packages.

Stat 2501f. Probability and Stochastic Processes. (M/SR; 4 cr; prereq Math 1101 or #)

Same as Math 2501. Probability theory; set theory, axiomatic foundations, conditional probability and independence, Bayes' rule, random variables. Transformations and expectations; expected values, moments, and moment generating functions. Common families of distributions; discrete and continuous distributions. Multiple random variables; joint and marginal distributions, conditional distributions and independence, covariance and correlation, multivariate distributions. Properties of random sample and central limit theorem. Markov chains, Poisson processes, birth and death processes, and queuing theory.

Stat 2601f. Statistical Methods. (M/SR; 4 cr; prereq Math 1101 or Math 1021)

Descriptive statistics, elementary probability theory; laws of probability, random variables, discrete and continuous probability models, functions of random variables, mathematical expectation. Statistical inference; point estimation, interval estimation, tests of hypotheses. Other statistical methods; linear regression and correlation, ANOVA, nonparametric statistics, statistical quality control, use of statistical computer packages.

Stat 2611s. Mathematical Statistics. (M/SR; 4 cr; prereq Math 1101)

Introduction to probability theory. Principles of data reduction; sufficiency principle. Point estimation; methods of finding and evaluating estimators. Hypothesis testing; methods of finding and evaluating tests. Interval estimation; methods of finding and evaluating interval estimators. Linear regression and ANOVA.

Stat 3601f. Data Analysis. (M/SR; 4 cr; prereq 1601 or 2601 or 2611 or #)

Nature and objectives of statistical data analysis, exploratory and confirmatory data analysis techniques. Some types of statistical procedures; formulation of models, examination of the adequacy of the models. Some special models; simple regression, correlation analysis, multiple regression analysis, analysis of variance, use of statistical computer packages.

Stat 3611s. Multivariate Statistical Analysis. (M/SR; 4 cr; prereq 1601 or 2601 or 2611 or #)

Analysis of categorical data. Loglinear models for two- and higher-dimensional contingency tables. Logistic regression models. Aspects of multivariate analysis, random vectors, sample geometry and random sampling, multivariate normal distribution, inferences about the mean vector, MANOVA. Analysis of covariance structures: principal components, factor analysis. Classification and grouping techniques: discrimination and classification, clustering, use of statistical computer packages.

Stat 4601s. Biostatistics. (M/SR; 4 cr; prereq 1601 or 2601 or 2611 or #; not offered 2002-03)

Design and analysis of biological studies: biological assays, case-control studies, randomized clinical trials, factorial designs, repeated measures designs, observational studies, and infectious disease data. Analysis of survival data: basic concepts in survival analysis, group comparisons, and Cox regression model. Use of statistical computer packages.

Stat 4650s. Variable Topics in Statistics. (M/SR; 4 cr; repeatable when topic changes; prereq 1601 or 2601 or 2611 or Math 2601 or Math 2601 or Math 2611 or #; not offered 2001-02)

Topics selected from nonparametric methods, linear and nonlinear regression analysis, ANOVA, design of experiments, sampling methods, time series analysis and statistical computing.

Stat 4901f. Senior Seminar. (M/SR; 1 cr; prereq sr)

Full-year course. Required for all students who design a statistics area of concentration. Students must attend year round and present one of the seminars.

Stat 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)

Stat 4994f,s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Studio Art (Arts)

(See Art, Studio.)

Teacher Education Programs

(See Education; Education, Elementary; and Education, Secondary.)

Theatre Arts (Th)

This discipline is in the Division of the Humanities. The discipline encompasses theatre as an artistic form and as a social and cultural institution. The study of theatre arts enables the individual to develop a creative imagination, an inquiring mind, a sense of social responsibility, professional discipline, a collaborative attitude, artistic standards and judgment, and a respect for the art form.

Objectives—The curriculum provides sound academic and practical training in theatre arts for undergraduate liberal arts students, for those wishing to pursue graduate studies in the field, and for those preparing to teach. It is designed to help students develop an appreciation for and ability to produce quality theatre.

Major Requirements

Th 1101—The Theatre Experience: An Introduction

Th 1111—Fundamentals of Acting

Th 1301—Fundamentals of Design

Th 2101—Fundamentals of Directing

Th 2301—Stagecraft

Th 3101—World Theatre: History and Literature I

Th 3102—World Theatre: History and Literature II

Th 3201—Acting and Directing I

or Th 3202—Acting and Directing II

Th 4901—Senior Project

or Th 4994—Senior Honors Project

one course from:

Th 2201—Voice and Movement

Th 2211—Oral Interpretation

Th 2221—Readers' Theatre

Th 3201—Acting and Directing I

Th 3202—Acting and Directing II

Th 3301—Stage Lighting

Th 3302—Stage Costuming

Th 3303—Computer-Assisted Drawing

Th 4301—Scenic Design

six major production responsibilities (three of which must be in a faculty-directed production and three of which must be in the junior and senior years)

a portfolio review in the junior year

at least one para-programmatic theatre experience that is arranged through a theatre arts faculty member and may take any number of forms, e.g., an internship with a theatre company, study abroad, or theatre tour to New York or London

Up to 4 credits of coursework with a grade of D may be used to meet the major requirements if offset by an equivalent number of credits of A or B.

Minor Requirements

Th 1101—The Theatre Experience: An Introduction

Th 1111—Fundamentals of Acting

Th 1301—Fundamentals of Design

Th 2101—Fundamentals of Directing

Th 2301—Stagecraft

at least three courses from:

Th 2201—Voice and Movement

Th 2211—Oral Interpretation

Th 2221—Readers' Theatre

Th 3101—World Theatre: History and Literature I

Th 3102—World Theatre: History and Literature II

Th 3201—Acting and Directing I

or Th 3202—Acting and Directing II

Th 3301—Stage Lighting

Th 3302—Stage Costuming

Th 3303—Computer-Assisted Drawing

Th 4301—Scenic Design

three major production responsibilities, at least two to be completed in the junior and senior years

Up to 4 credits of coursework with a grade of D may be used to meet the minor requirements if offset by an equivalent number of credits of A or B.

Teacher Preparation Requirements

Students seeking teaching licensure in dance and theatre arts K-12 should refer to the Education, Secondary (SeEd) section of this catalog.

Course Descriptions

Th 1040. Backstage on Broadway. (1 cr; repeatable to 4 cr; prereq #; S-N only; offered when feasible)

Supervised field trip to New York; attending selected professional theatre productions; backstage tours; discussions with theatre professionals.

Th 1050. London Theatre Tour. (1 cr; repeatable to 4 cr; prereq #; S-N only; offered when feasible)

Supervised field trip to London, England; attending selected professional theatre productions; backstage tours; discussions with theatre professionals.

Th 1060f,s. Theatre Practicum. (ArtP; 1 cr; repeatable to 8 cr; prereq #; S-N only)

Participation in some aspect of theatre production, other than acting (e.g., scenery, props, costumes, lighting).

Th 1070f,s. Theatre Performance. (ArtP; 1 cr; repeatable to 8 cr; prereq #; S-N only)

Participation in theatrical production as an actor.

Th 1101f. The Theatre Experience: An Introduction. (FA; 4 cr)

Fundamental examination and practical application of the theory, history, and practice of theatrical performance as a reflection of society. Focus is on the theatre event as a collaborative effort and transitory art form. (lect, 2 hrs practicum)

Th 1111f. Fundamentals of Acting. (ArtP; 4 cr; prereq 1101, theatre arts major or minor or #)

Approaches characterization from a physical and psychological view. Focus is on use of imagination, text analysis, body and voice to develop characters from modern realistic dramatic literature.

Th 1301f. Fundamentals of Design. (ArtP; 4 cr)

Problem-solving approach to elements, principles, and functions of design; their place in the theatre and elsewhere. (3 hrs lect, 2 hrs studio)

Th 2101s. Fundamentals of Directing. (4 cr; prereq 1111, theatre arts major or minor or #)

Introduces the practical components of the director as artist, teacher, and collaborator. Focus is on the craft of directing modern realistic dramatic literature through text analysis, communication of concepts, and stylistic techniques.

Th 2111f. Creative Drama With Children. (FA; 4 cr; prereq 1101 or elem ed major or #; offered when feasible)

The course develops classroom skills in the use of dramatic techniques to teach a broad range of subjects to children. Exercises, presentations, and experiential learning techniques will be modeled and practiced in class.

Division Structure and Course Descriptions

Th 2201f. Voice and Movement. (ArtP; 4 cr; prereq 1111, theatre arts major or minor or #)

Explores the use of the voice and the body as means for expression in performance and everyday communication. Focus is on expansion and enhancement of vocal and physical skills through release of tension, posture, vocal exercises, and muscle extension.

Th 2211s. Oral Interpretation. (ArtP; 4 cr)

Introduces the study of literature through text analysis and performance. Focus is on the student's discovery of the aesthetic, communicative, and performative elements of a variety of personal narratives, prose, and poetry.

Th 2221f. Readers' Theatre. (ArtP; 4 cr; prereq 2211)

Explores the theory and practice of adapting literature into group performance. Focus is on text analysis, script development, directing, and performing both dramatic and non-dramatic literary texts.

Th 2301s. Stagecraft. (ArtP; 4 cr)

Development of stagecraft from the Greeks to the present. Basic forms of stage scenery and their functions in the theatre. Tools, materials, and techniques employed in creating the visual environment of the stage. (4 hrs lect, 4 hrs practicum)

Th 3000f. Variable Topics in Theatre Arts. (1-4 cr; repeatable when topic changes; prereq #; offered when feasible)

Varying topics relating to theatre that are not ordinarily included in other theatre arts courses.

Th 3101f. World Theatre: History and Literature I. (Hist; 4 cr; prereq 1101)

Theatrical practice and dramatic literature from origins through late 17th century, tracing the roots leading to, and influences on, early modern European theatre practice and dramatic literature, as well as examining select Asian, African, and/or pre-Columbian American theatrical practice.

Th 3102s. World Theatre: History and Literature II. (Hist; 4 cr; prereq 1101, 3101)

Theatrical practice and dramatic literature from the late 17th century to the present, examining select Asian, African, and/or Western Hemisphere theatrical practice, as well as tracing the roots leading to, and influences on, current world theatre practice and dramatic literature.

Th 3201f. Acting and Directing I. (4 cr; prereq 1101, 1111, 2101)

The course begins with acting and directing techniques based in psychological realism and moves to an introduction of selected historical styles often performed in today's theatre. Styles to be examined will be chosen from a list including Ancient Greek, Elizabethan, Comedy of Manners, and 19th century melodrama.

Th 3202s. Acting and Directing II. (4 cr; prereq 1101, 1111, 2101)

The course begins with acting and directing work in classical styles and goes on to develop an understanding of, and skills in, selected nonrealistic forms. Forms examined will be chosen from a list including absurdism, feminism, postmodernism, and expressionism.

Th 3301s. Stage Lighting. (4 cr; prereq 1301, 2301; not offered 2001-02)

History and development of lighting for the stage. Theory and concepts of lighting as a visual art and its function in the theatre. Lighting design as a creative process and practical solution of lighting design problems. Lighting equipment and its use.

Th 3302s. Stage Costuming. (4 cr; prereq 1301, 2301; not offered 2002-03)

History and development of stage costume. Theory and concepts of stage costuming as a visual art and its function in the theatre. Costume design as a creative process. Practical demonstrations of knowledge of design, history, and functions of stage costume.

Th 3303f. Computer-Assisted Drawing. (FA; 4 cr)

Theory and concepts of and practice in using a computer as a drawing and drafting tool.

Th 4301s. Scenic Design. (4 cr; prereq 1301, 2301)

Designing scenery as an expressive environment for the theatre. Elements and functions of design and principles of composition. Problems in coordination and execution of design in the interpretation of dramatic literature using a variety of staging techniques. Study of various styles of historical and contemporary stage productions and theatre architecture through the writings and designs of such artists and theorists as Appia, Craig, Meyerhold, Jones, and Svoboda.

Th 4901f.s. Senior Project. (2-4 cr; prereq theatre arts major, #)

Culminating activity to demonstrate the student's competence in some area of theatre arts. Projects may be completed independently (e.g., a research paper, a solo acting performance) or as part of a group effort. Acting, scenery, lighting, costume design, playwriting, and theatre history are some areas in which the project may be undertaken.

Th 1993f.s, 2993f.s, 3993f.s, 4993f.s. Directed Study. (1-5 cr; repeatable; prereq #)

Th 4994f.s. Senior Honors Project. (1-5 cr; repeatable; prereq participation in Honors Program, #)

A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM "with honors."

Wellness and Sport Science (WSS)

This discipline is in the Division of Education.

Objectives—This curriculum helps students develop and maintain a healthy lifestyle and prepares them for athletic training and/or employment as public school athletic coaches.

The statement, "Varsity coaching requirements completed," is added to the transcript of students who complete:

Coaching

WSS 1101—First Aid

WSS 2102—Human Anatomy

WSS 2111—Kinesiology

WSS 2112—Exercise Physiology

WSS 2121—Prevention and Care of Injuries

WSS 3201—Coaching and Internship

two credits from:

WSS 2201—Baseball Coaching

WSS 2202—Basketball Coaching

WSS 2203—Football Coaching
WSS 2204—Softball Coaching
WSS 2205—Track and Field Coaching
WSS 2206—Volleyball Coaching
WSS 2207—Wrestling Coaching
WSS 2208—Soccer Coaching

Athletic Training

Admission to the Athletic Training Education Program: During fall semester of the freshman year, students are expected to attend an application meeting to begin the application process. Applications must be submitted to the Athletic Training Education Committee by the end of the fifth week of spring semester for entry to the program fall semester of the sophomore year. Enrollment in the Athletic Training Education Program is limited. The decision to admit is made during the spring semester, before fall registration.

Students transferring from another school must be admitted to UMM before admission to the Athletic Training Education Program can be offered. It is recommended that these students seek academic planning advice from a member of the Athletic Training Education Program before the semester in which admission to the program is sought.

Requirements for admission include the following:

1. Completed application packet.
2. A minimum cumulative GPA of 2.50.
3. Completed observation experience
4. Approval of the staff based on an interview, recommendations, and assessment of the observation experience.

The statement, “Athletic Training Education Program Completed,” will be added to the transcript of students who are admitted to the program, complete the following coursework:

WSS 1051—Fitness for Life
WSS 1052—Societal Issues in Health and Wellness
WSS 1101—First Aid
WSS 2001—Advanced Topics in First Aid
WSS 2002—Pharmacology in Athletic Training
WSS 2003—Nutrition
WSS 2004—Psychological Aspects of Sports
WSS 2111—Kinesiology
WSS 2112—Exercise Physiology
WSS 2121—Prevention and Care of Injuries
WSS 3001—Advanced Athletic Training
WSS 3002—Medical Aspects
WSS 3003—Rehabilitation of Injury and Disease
WSS 3004—Therapeutic Modalities
WSS 3005—Organization and Administration of Athletic Health Care
WSS 3006—Practicum in Athletic Training I

WSS 3007—Practicum in Athletic Training II
WSS 4901—Senior Seminar
Biol 2102—Human Anatomy
Biol 4102—Human Physiology
and the required practical/observation hours.

Upon completion of the Athletic Training Education Program, students are eligible to sit for the National Athletic Trainers Association Board of Certification Examination.

Course Descriptions

WSS 1051f,s. Fitness for Life. (2 cr; S-N only)
Factors associated with a positive lifestyle, assessment of each individual’s current wellness status, and development of a personal lifetime program for improving one’s quality of life.

WSS 1052f,s. Societal Issues in Health and Wellness. (5S; 2 cr)
A study of how perceptions of society’s health and wellness issues affect our individual health/fitness choices.

WSS 1101f,s. First Aid. (1 cr)
Lectures, demonstrations, practical work in emergencies and first aid. Emphasis on accident prevention. National Safety Council first aid and CPR certification is awarded upon successful completion of the course.

WSS 1200f,s. Variable Topics in Wellness Skills. (0.5-1 cr; repeatable when topic changes; each topic repeatable to 1 cr; S-N only)
Lifetime fitness skill development. Only 4 credits may be applied toward the 120-credit minimum required for the bachelor of arts degree.

WSS 1211s. Badminton. (0.5 cr)

WSS 1213f. Golf. (0.5 cr)

WSS 1214f,s. Racquetball. (0.5 cr)

WSS 1215s. Skating. (0.5 cr; alternates yrs with 1216; special fee required)

WSS 1216s. Skiing. (0.5 cr; alternates yrs with 1215; special fee required)

WSS 1219s. Strength Training. (0.5 cr)

WSS 1221f. Walking and Jogging. (0.5 cr)

Varsity Athletics

All varsity athletics carry 0.5 credit and are repeatable to a total of 2 credits.

WSS 1401s. Varsity Baseball (M)
WSS 1402s. Varsity Basketball
WSS 1403. Varsity Cross Country (W)
WSS 1404f. Varsity Football (M)
WSS 1405s. Varsity Golf
WSS 1406s. Varsity Softball (W)
WSS 1407s. Varsity Tennis
WSS 1408s. Varsity Track and Field
WSS 1409s. Varsity Wrestling
WSS 1410f. Varsity Volleyball (W)
WSS 1411f. Varsity Soccer (W)

Division Structure and Course Descriptions

Course Descriptions

WSS 2000f.s. Variable Topics in Wellness and Sport Science I. (1-2 cr; repeatable when topic changes)

Topic selected annually from issues in wellness studies (e.g., athletic training).

WSS 2001s. Advanced Topics in First Aid. (1 cr)

Lectures, demonstrations, practical work in emergency care, focusing on advanced immobilization, transportation of injured or ill individuals, use of AED, bloodborne pathogens, and oxygen administration. National Safety Council certification is awarded upon successful completion of the course.

WSS 2002s. Pharmacology in Athletic Training. (1 cr)

Legal and illegal drug use. Topics include indications, contraindications, and effects of commonly used non-prescription and prescription medications; ergogenic aids and the use of illegal substances in athletics; neurophysiology and pharmacology as it relates to the effects of drugs on active individuals.

WSS 2003s. Nutrition. (2 cr)

Basic nutrition, fundamentals of digestion, absorption and metabolism, nutrients and their roles, and specific sports/nutrition related subjects.

WSS 2004s. Psychological Aspects of Sports. (2 cr; prereq ¶WSS 2005)

Psychological aspects of physical education, sports, and recreation and the implications this knowledge has for effective teaching, coaching, and athletic training.

WSS 2005s. Sociological Aspects of Sports. (2 cr; prereq ¶WSS 2004)

Sociological aspects of physical education, sports, and recreation and the implications this knowledge has for effective teaching, coaching, and athletic training.

WSS 2102f. Human Anatomy. (3 cr; prereq soph)

Same as Biol 2102. Structure of human systems at their organ and cellular levels. (one 100-min lect, one 120-min lab)

WSS 2111f. Kinesiology. (Sci; 2 cr; prereq 2102)

Scientific principles of movement and tissue responses to force; analysis of basic movement in sports and other physical activities.

WSS 2112f. Exercise Physiology. (2 cr)

Human physiological adaptations resulting from activity/exercise.

WSS 2121s. Prevention and Care of Injuries. (4 cr; prereq 2111)

Introduction to safety measures, care, prevention, and rehabilitation of injuries in sports and other physical activities. (three 65-min lect, one 65-min lab)

WSS 2201s. Baseball Coaching. (2 cr)

History, psychology, and theory of the game, techniques of coaching each position, rules, batting, practice and game organization, strategy, officiating.

WSS 2202f. Basketball Coaching. (2 cr)

History, psychology, and theory of the game, offensive and defensive formations, strategy, practice and game organization, officiating, rules, and techniques of coaching each position.

WSS 2203f. Football Coaching. (2 cr)

History, psychology, and theory of the game, offensive and defensive formations, strategy, practice and game organization, officiating, rules, techniques of coaching each position.

WSS 2204s. Softball Coaching. (2 cr; offered even yrs)

History, psychology, and theory of the game, techniques of coaching each position, rules, batting, practice and game organization, strategy, officiating.

WSS 2205s. Track and Field Coaching. (2 cr)

History, psychology, and theory of the sports, techniques for all track and field events, methods of coaching, practice and meet organization, strategy, rules, officiating.

WSS 2206f. Volleyball Coaching. (2 cr)

History, psychology, and theory of the game, offensive and defensive formations, strategy, practice and game organization, officiating, rules.

WSS 2207f. Wrestling Coaching. (2 cr)

History, psychology, and theory of the sport, techniques, practice and meet organization, officiating, rules, strategy, techniques of coaching maneuvers.

WSS 2208f. Soccer Coaching. (2 cr; offered even years)

History, psychology, and theory of the sport, individual techniques, practice and game organization, officiating, rules and strategies.

WSS 3000. Variable Topics in Wellness and Sport Science II. (See specific topics; 1-4 cr; repeatable when topic changes)

The educational objectives of these courses are realized through the use of materials from multiple disciplines. These courses emphasize the holistic nature of health care and the unique abilities and skills that liberally educated individuals bring to analysis and problem solving in health care.

WSS 3001f. Advanced Athletic Training. (4 cr; prereq 2121; offered odd years)

Study of neurological, biomechanical, orthopedic, and pathophysiological basis of injury and disease in active individuals. Comparison and application of advanced techniques of evaluation for injury and disease of the spine and upper and lower extremities.

WSS 3002s. Medical Aspects. (4 cr; prereq 2121; offered even years)

Etiology, evaluation, diagnosis, and treatment of medical conditions affecting active individuals, including predispositions; physiological variants; sociological, psychological, race, and gender factors.

WSS 3003f. Rehabilitation of Injury and Disease. (2 cr; prereq 2121 and ¶3004; offered even years)

Concepts, theory, and research in therapeutic exercise. Pathophysiological responses to rehabilitation. Motivation and adherence to rehabilitation. Role and standard techniques of rehabilitation. Biomechanical theory and applications of rehabilitation.

WSS 3004f. Therapeutic Modalities. (2 cr; prereq 2121, ¶3003; offered even years)

Relationship of the electromagnetic and acoustic spectra to biological tissue response. The pathophysiology of pain and healing. The psychological and ethical implications of therapeutic modalities. Research design and evaluation.

WSS 3005s. Organization and Administration of Athletic Health Care. (4 cr; prereq 2121; offered odd years)

Factors and relationships necessary to achieve organizational objectives: establishment of goals, policies, procedures, planning; organizational structure and behavior; leadership; ethics; and legal aspects.

WSS 3006f,s. Practicum in Athletic Training I. (1 cr; prereq admission to the Athletic Training Education Program)

Principles and practices involved in the field of athletic training. Emphasis is placed on recognition, evaluation, and treatment of injuries to the lower body.

WSS 3007f,s. Practicum in Athletic Training II. (1 cr; prereq admission to the Athletic Training Education Program and WSS 3006)

Principles and practices involved in the field of athletic training. Emphasis is placed on recognition, evaluation, and treatment of injuries to the upper body.

WSS 3201f,s. Coaching Internship. (1 cr; prereq #; S-N only)
Supervised field experience in coaching, consisting of no fewer than 40 hours.**WSS 4901f,s. Senior Seminar.** (1 cr; prereq sr in the athletic training education program)
Seminar on selected competencies within the field of athletic training.**WSS 1993f,s, 2993f,s, 3993f,s, 4993f,s. Directed Study.** (1-5 cr; repeatable; prereq #)**WSS 4994f,s. Senior Honors Project.** (1-5 cr; repeatable; prereq participation in Honors Program, #)
A substantial scholarly or creative work (at the undergraduate level) within the discipline. Successful completion of the senior honors project is one of the requirements for graduating from UMM “with honors.”**Continuing Education Courses****WSS 1301. CE: Beginning Karate.** (0.5 cr; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement; S-N only)
Terminology, fundamentals, basic techniques of blocking, punching and kicking; basic attack and defense strategies.**WSS 1303. CE: Advanced Karate.** (0.5 cr; prereq 1301 or #; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement; S-N only)
Continuation of 1301. Detailed instruction in authentic karate technique. Instructor sets groundwork as students begin training for first degree black belt.**WSS 1321. CE: Beginning Modern Dance/Ballet.** (ArtP; 1 cr; S-N only)

Practice in the fundamental movement vocabulary and steps of dance with an emphasis on traditional ballet techniques and modern dance interpretations. Discussion of the cultural origins of style in dance and role of dance in contemporary life.

WSS 1322. CE: Intermediate Ballet. (ArtP; 1 cr; prereq #; S-N only)

Builds on basic dance vocabulary toward mastery of ballet technique. Exercises from a combination of classical approaches. Emphasis on advancing technical skill through conditioning and performance of ballet steps and combinations. Meets second half of fall semester.

WSS 1331. CE: Beginning Modern/Jazz Dance. (ArtP; 1 cr; S-N only)

Practice in the fundamental movement vocabulary and steps of dance as a performance art from the unique perspective of American jazz in combination with the techniques of modern dance. Discussion of the cultural origins of jazz, individual style in dance, and role of dance in contemporary life.

WSS 1332. CE: Intermediate Jazz Dance. (ArtP; 1 cr; prereq #; S-N only)

Builds on basic dance vocabulary with emphasis on the movement vocabulary of jazz dance. Emphasis on African dance roots and stylistic variations in contemporary jazz dance forms.

WSS 1333. CE: Intermediate Modern Dance. (ArtP; 1 cr; prereq #; S-N only)

Builds on basic dance vocabulary with movement exercises from traditional schools of modern dance technique (Wigman/Holm, Graham, Humphrey/Limon, Horton, Cunningham). Emphasis on advancing technical skills through conditioning, improvisation, and performance of movement combinations. Class meets first half of fall semester.

WSS 2301. CE: Dance Production. (ArtP; 1 cr; prereq #; additional tuition required; course not included in UMM tuition band; subject to minimum enrollment requirement; S-N only)

Variety of directed projects in performance and production aspects of dance for the stage, culminating in a public performance. Meets second half of spring semester.

Women’s Studies (WoSt)

This is an interdisciplinary program housed in the Division of the Social Sciences. The program is administered by the coordinator of women’s studies who is a faculty member of any of the four divisions.

Objectives—To explore the history, position, and roles of women as well as the attitudes concerning them and to acquaint students with the changing determinants of women’s situations.

Major Requirements

Minimum of 40 credits to include:

- WoSt 1101—Introduction to Women’s Studies
- WoSt 1111—Women’s Studies Across the Curriculum
- Hist 3700—Variable Topics in the History of Women
- Psy 3051—The Psychology of Women

One of the following:

- Anth 2302—Women in Latin America
- Soc 2101—Prejudice, Discrimination, and Systems of Oppression
- Soc 2302—Women in Latin America
- Soc 3121—Sociology of Gender
- Soc 3200—Variable Topics in Social Stratification
- Soc 3252—Women in Muslim Society

An additional 20 credits are to be selected from the courses listed in the course description section below. A course not listed may be applied to the 20-credit requirement with the consent of the instructor and major adviser. Any directed study course for which an instructor is available is acceptable provided the subject matter is appropriate. Appropriate courses incorporate women's studies theories and/or methodologies.

Students develop a coherent program of study in consultation with their major adviser. Advisers are usually faculty with backgrounds or specialties related to women's studies. When the program and plan are approved by the adviser, they are forwarded to the coordinator of women's studies.

The writing component of the general education requirements is fulfilled using WoSt 4xxx courses. The computing component of the general education requirements can be fulfilled by courses that use Web-based research, such as Pol 3503 and Soc 3252.

The major requires two culminating experiences on the part of each student. The first experience can be satisfied in one of two ways. 1) The student may conduct an interdisciplinary seminar open to students and faculty of all disciplines involved (WoSt 4801). 2) The student may take 4 credits of Directed Study (WoSt 4993).

In the second experience, the student should demonstrate learning in women's studies by reviewing term papers, reports, and other assignments collected in a "women's studies file." This file is assembled by the student and registered with the student's women's studies adviser and the coordinator of the women's studies program (WoSt 4901).

Courses with grades of D are not acceptable to meet the major requirements.

Note: students planning to major in women's studies should register with the coordinator of women's studies by the beginning of the junior year.

Minor Requirements

A minimum of 28 credits to include:

WoSt 1101—Introduction to Women's Studies

WoSt 1111—Women's Studies Across the Curriculum

An additional 20 credits from the courses listed below are to be selected from at least three different disciplines.

Course Descriptions

Anth 2300f,s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1111 or Soc 1101)

Same as Soc 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Anth 2302s. Women in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101)

Anth 2302Hs. Honors: Women in Latin America. (IP; 4 cr; prereq 1111 or Soc 1101, # for students not in Honors Program)

Same as Soc 2302H. In addition to regular course work, honors students are required to compose one creative research paper and acquire pedagogical skills through leading occasional class discussions.

Arth 3281s. Women and Art. (FA; 4 cr; prereq 1101 or 1111 or 1121 or jr status; not offered 2001-02)

An historical survey of the role of women as creators and patrons of the visual arts in Western European and American societies, from antiquity to the present.

Biol 3101s. Genetics. (Sci-L; 4 cr; prereq 1101, 2111)

Principles and mechanisms of inheritance and variation, including cytological, organismal, and population genetics; mechanisms of evolution; and the genetic problems of humans. (two 65-min lect, one 120-min lab)

Econ 4101f. Labor Economics I. (HDiv; 2 cr; prereq 3201 or #)

Wage and employment determination. Distribution of earnings and earnings inequality by race and sex. Labor supply applications.

Econ 4900f,s. Variable Topics in Economic Research. (See specific topics for general education categories; 2 cr; repeatable when topic changes; prereq 3201, 3202 or #)

Guided research sessions. Familiarize students with literature in the field. Research topics include case studies of international or national topics within the discipline or any significant economic issue. Students are required to make a formal presentation on their research topic and attend presentations by their peers.

Econ 4906. Gender Issues. (HDiv; 2 cr; prereq 3201, 3202 or #)

Engl 3321s. Women's Literature. (4 cr; prereq 1100, 2011)

Examination of women writers as a distinct group, with attention to ethnic, class, and cultural differences, includes readings in feminist theory.

Ger 3501s. Women's Issues in Contemporary German Culture. (IP; 4 cr; prereq 3101 or 3102 or #; not offered 2002-03)

The focus is on the German women's movement during the twentieth century, the historical relationship of gender and class, and the lives of women from various ethnic backgrounds in Germany and Austria. Short stories, essays, and poems document the evolution of feminist literary theory in German studies.

Hist 3000. Variable Topics in History. (Hist; 4 cr; repeatable when topic changes; offered when feasible)

Study of a historical topic that transcends the traditional chronological or geographical categories. Possible topics include the history of historical writing, science, and Christianity.

Hist 3001f. Families Through the Prism of Memory, Genealogy, and History. (Hist; 4 cr)

Hist 3700. Variable Topics in the History of Women. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1001 or 1002 or 1201 and WoSt 1101)

Possible topics include a historical study of women and religion, a historical study of thought about American women, a cross-cultural study of the history of women.

Hist 3701s. Women and Religion: A History. (SS; 4 cr; prereq 1001 or 1002 or 1201 and WoSt 1101)
A historical discussion of women in non-Western and Western religions.

Hist 3702f. The History of Women in the West. (HDiv; 4 cr; prereq WoSt 1101 or Hist 1101, Hist 1102, Hist 1301; offered when feasible)
Focuses on the intellectual as well as political, social, and economic history of pre-European, western European, and American women.

Hist 3703s. 20th-Century European Women. (4 cr; prereq WoSt 1101, Hist 1101 or Hist 1102 or Hist 1201)

Hum 1300. Variable Topics in French Literature and Culture. (See specific topics for general education categories; 4 cr; repeatable when topic changes)
This course will be taught on a variety of topics such as modern French literature in translation and women authors in French. It will be offered as both a regular course and an honors course. Topic to be announced.

Hum 1304. French Women Authors in Translation. (IP; 4 cr; offered when feasible)
French women's movements during the twentieth century, the historical relationship of gender and class, and the lives of women from various ethnic backgrounds in France; the history of French women authors in a global context. Guest lecturers may, when appropriate, provide some comparisons among European and global feminisms.

Phil 1121. Introduction to the Philosophy of Religion. (HDiv; 4 cr; offered spring 2002)
An introduction to fundamental philosophical questions concerning religion, such as the notion of divinity, the possibility of proving the existence of a divinity, the relationship between faith and reason, etc. Views belonging to distinct religious traditions as well as to different gender, racial, and social perspectives will be discussed.

Phil 2131s. Introduction to the Philosophy of Science. (HDiv; 4 cr; offered spring 2003)
An introduction to modern philosophical discussion concerning the nature of science. Topics cover the basic concepts and logic of scientific inquiry, the aims and values of scientific inquiry, the relationship between scientific progress and truth, and the social and cultural make-up of scientific communities. Readings will include feminist views on science.

Pol 3500s. Variable Topics in Comparative Politics. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1101 or #)
In-depth analysis of major government systems from regions of the world other than Europe or issues in comparative public policy, e.g., comparing social welfare budgetary priority across nation-states.

Pol 3503s. Women in Politics Worldwide. (IP; 4 cr; prereq 1201, 2101 or #; not offered 2002-03)
Examines the ways gender influences politics throughout the world. Topics covered include the "gender gap" and voter turnout, women's involvement in linkage organizations, such as parties and interest groups, and finally, policy outcomes regarding women in different kinds of political systems.

Psy 1071f. Human Sexuality. (SS; 4 cr)
Survey of aspects of human sexuality, including intimacy and communication; male and female anatomy, physiology, and response; development of identity, sex role, and gender orientation; varieties of sexual expression; pregnancy and childbirth; contraception and disease prevention; sexual coercion and abuse; sexual dysfunctions and their treatment.

Psy 3051s. The Psychology of Women. (HDiv; 4 cr; not offered 2001-02)
Feminist approach to the psychological study of women's personality, behavior, development, language issues, motivation, work and family lives, sexuality, health and psychobiology, adjustment and therapy, and victimization experiences. Focuses on women of color, feminist research methodology, and feminist analysis of psychological theories of women.

Psy 3221f. Behavioral Biology of Women. (Sci; 2 cr; not offered 2001-02)
Exploration of proximate and ultimate influences on female behavior in human and nonhuman species. Sexual differentiation, gender differences in cognition, biological basis of sexual orientation, female sexual selection, and dominance.

Psy 4896f.s. Field Experiences in Psychology. (SS [if taken for 2 or more cr]; 1-4 cr; repeatable, only 4 cr may be applied to the BA or the Psy major; prereq #, which normally requires 4101 for work in psychiatric settings, 3301, 3311, 3401 or 3402 for work in schools; S-N only)
Individually arranged, supervised observation of and assistance with activities of professional psychologists in schools, clinics, hospitals, and other field settings.

Soc 2101f. Prejudice, Discrimination, and Systems of Oppression. (HDiv; 4 cr; prereq 1101 or Anth 1111)
Patterns of group dominance, exploitation, and hate in the United States and globally. Emphasis on sexism, racism, and homophobia with some attention to other systems of oppression such as ageism and ableism.

Soc 2300f.s. Variable Topics in Latin American Cultures and Societies. (IP; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111)
Same as Anth 2300. Use of archaeological, historical, and contemporary materials. Topics may include political institutions, media, popular culture, ethnicity, class, ecology, and cultures.

Soc 2302s. Women in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111)

Soc 2302Hs. Honors: Women in Latin America. (IP; 4 cr; prereq 1101 or Anth 1111; # for students not in Honors Program)
Same as Anth 2302H. In addition to regular course work, honors students are required to compose one creative research paper and acquire pedagogical skills through leading occasional class discussions.

Soc 3121f. Sociology of Gender. (HDiv; 4 cr; prereq 1101 or Anth 1111)
Relationships among sex, gender, and society. Gender as a factor in stratification systems, social interaction, and institutions such as the economy, the family, and religion.

Division Structure and Course Descriptions

Soc 3200s. Variable Topics in Social Stratification. (HDiv; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111; offered when feasible)

Hierarchies of power, wealth, and prestige; analysis of various theories of stratification. Class, status, race, minorities (e.g., African Americans, American Indians), caste, and gender evaluated in terms of stratification.

Soc 3250f,s. Variable Topics in Social Structure. (See specific topics for general education categories; 4 cr; repeatable when topic changes; prereq 1101 or Anth 1111)
In-depth study of one topic in sociology such as African American social institutions, the economic and social elite, bureaucracy, urban communities, social control, population, and demography.

Soc 3252s. Women in Muslim Society. (IP; 4 cr; prereq 1101 or Anth 1111)

Span 3500f. Variable Topics in Spanish Peninsular Literature. (Hum; 4 cr, repeatable when topic changes; prereq 3002, 3101)

Topic to be announced. Students should demonstrate the ability to analyze literary texts, using the text as well as the aesthetic, political, historical, and philosophical context in which the work was produced. Students must also demonstrate the ability to discuss in class the ideas of the texts and the context, and they must write papers with grammatical precision and rigorous research.

Span 3501. The Prose of Spanish Renaissance and Golden Age. (Hum; 4 cr; prereq 3002, 3101)
Golden Age theatre.

WoSt 1101. Introduction to Women's Studies. (HDiv; 4 cr; A-F only)

Biology of the sexes, gender, ideas/literature about women, women's history, women's economic/social conditions.

WoSt 1111. Women's Studies Across the Curriculum. (HDiv; 4 cr; not offered 2001-02)

Methodologies/theories of various disciplines in women's studies.

WoSt 3000. Variable Topics in Women's Studies. (See specific topics for general education categories; 2-4 cr)
Offered by various women's studies faculty in their discipline of expertise.

WoSt 4801. Culminating Experience in Women's Studies. (HDiv; 4 cr; prereq completion of 32 cr in women's studies)

WoSt 4901. Assessment of Student Learning in Women's Studies. (1 cr; prereq completion of 32 cr in women's studies; 5-N only)
Requires essays demonstrating learning in women's studies.

WoSt 3993f,s, 4993f,s. Directed Study. (1-5 cr; repeatable; prereq #)
Research in women's studies.



This is the Preparation for Professional Degrees in Other Colleges, Administration and Faculty, and Campus Directory sections of the 2001-2003 Morris Catalog for the University of Minnesota.

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Undergraduate liberal arts coursework is required for admission to professional schools in fields such as engineering, pharmacy, law, and medicine. Students on the Morris campus have the opportunity to complete a pattern of liberal arts courses that prepares them to apply for admission at the bachelor's degree level to various professional schools at the University of Minnesota and elsewhere.

UMM advisers are available to work with students at the beginning of the first year and on a regular basis thereafter to plan a schedule adapted to the student's academic interests. The Academic Advising Office provides detailed guides to preparatory coursework at UMM that is recommended by administrators at University of Minnesota professional schools. In addition, professional school catalogs, the best source of information about requirements, are available in the Registrar's Office.

It is recommended that students preparing for transfer into professional programs at the bachelor's degree level complete the UMM degree requirements. Many students change their educational objectives during the course of study in preparation for a professional school, in which case the credits earned can be applied toward UMM graduation requirements. Admission to professional programs is highly competitive and applicants may be competing against others who have already earned bachelor's degrees or have at least three years of preparation before they apply. Simply completing the preparation requirements does not guarantee admission.

Students are urged to consult the catalog of the professional school they plan to attend for information about the admission requirements and application deadlines and procedures. Most professional schools require a minimum GPA, a satisfactory score on a standardized aptitude test, and letters of recommendation.

UMM offers preparatory coursework, either as the full program of the bachelor of arts degree or as preliminary courses, for the following professional schools of the University of Minnesota:

- Dentistry
- Engineering
- Law
- Medicine
- Pharmacy
- Physical Therapy
- Veterinary Medicine

Dentistry

Students planning to earn the doctor of dental surgery degree at the School of Dentistry on the Twin Cities campus must complete a minimum of 87 semester credits in a science-based liberal arts curriculum emphasizing biology, chemistry, mathematics, and physics for admission to the professional program. The majority of students entering the program have completed four or more years of college and a bachelor's degree. The minimum GPA required for admission is 2.50, but acceptance is on a competitive basis.

Students seeking admission to the School of Dentistry must apply through the American Association of Dental Schools Application Service (applications for the AADSAS are available in Student Counseling). The application deadline is January 1. Scores from the Dental Admission Test (DAT) are required as part of the application. The DAT is prepared by the American Dental Association and is administered on computer. DAT scores must be submitted to the School of Dentistry by December 1 of the academic year preceding the fall term in which enrollment is sought.

Engineering

The Institute of Technology on the Twin Cities campus offers the following programs: aerospace engineering, biosystems and agricultural engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, geological engineering, materials science and engineering, and mechanical engineering. Each of these programs may have both common and specific requirements.

The freshman and sophomore years on the Morris campus prepare students for advanced courses in engineering. In addition to the required courses in composition, chemistry, mathematics, physics, and computer science, students are also encouraged to fulfill some of the general education requirements in the humanities and social sciences and to select courses that will enable them to graduate from UMM should they later choose to do so. It is very important that students work closely with their adviser and consult the *Undergraduate Catalog* of the Twin Cities campus for specific program requirements and updates. The catalog is available online at <www.catalog.umn.edu> or in Academic Advising.

Law

A bachelor's degree is required for admission to law school, but no specific preparatory program is prescribed. Students are advised to plan a bachelor's program that provides a broad background in the humanities, mathematics, sciences, and social sciences. Students should select an academic major based on their special area of interest and abilities to ensure a depth of knowledge in one field. Students are encouraged to take courses that require independent thought and writing, including work in other languages, and to develop, through coursework or activities, their skills in oral and written expression.

The University of Minnesota Law School in Minneapolis makes the following statement about its admission policy: "Admission is limited to applicants who show reasonable prospects for success in law study and in the profession. A strong scholastic record is a significant indicator of potential success in law school and, when combined with scores from the Law School Admission Test (LSAT), is the most reliable predictor of likely achievement."

The University of Minnesota Law School participates in the Law School Data Assembly Service (LSDAS), which provides a summary of the academic work of applicants, copies of their college transcripts, and their LSAT scores. Applicants are required to submit the LSAT/LSDAS registration form and to have their college transcripts sent directly to the service. It is preferred that applicants register with the LSDAS and take the LSAT at least six weeks before the March 1 application deadline. Normally applicants take the LSAT in December of their senior year in college. The LSAT/LSDAS *Information Bulletin* and application are available in Student Counseling.

Medicine

Students planning to enter a school of medicine must complete a bachelor's degree with a well-balanced liberal arts program before admission. Required premedical courses in the bachelor's degree program include composition, biology, chemistry, mathematics, and physics. The three Minnesota medical schools are the University of Minnesota Medical School in Minneapolis, the School of Medicine at the University of Minnesota, Duluth, and the Mayo Medical School in Rochester. Requirements of the various medical schools vary and frequently

change; therefore, students should contact each individual school they are interested in. First-year UMM premedical students should contact the UMM premedical coordinator and work closely with their faculty adviser.

All three Minnesota medical schools participate in the American College Application Service (AMCAS). The AMCAS application should be filed between June 1 and November 15 of the preceding year for entry to medical school the following fall. Premedical students should begin application procedures for medical school during their junior year.

Students using AMCAS are required to take the Medical College Admission Test (MCAT). This test is also required or strongly recommended by most medical schools in the United States. The MCAT is administered at UMM in the spring and fall of each year. It is recommended that students take the MCAT in the spring of their junior year. Applications for AMCAS and the *Medical School Admission Test Bulletin of Information*, which includes MCAT test dates and applications, are available at Student Counseling.

Pharmacy

Students planning to apply to the University of Minnesota College of Pharmacy must complete specified general education coursework, including composition, biology, chemistry, mathematics, physics, economics, psychology, and sociology to be eligible for admission. The admission process is selective. The criteria used to evaluate and select applicants for admission include the student's educational background and GPA, oral and written communication skills, and letters of recommendation.

Applications should be filed between October 1 and February 1 of the academic year preceding the fall term in which enrollment is sought. Early application is recommended. For more information, consult the *College of Pharmacy Catalog* available online at <www.catalogs.umn.edu> or in Academic Advising.

Physical Therapy

Students must complete a bachelor's degree to be eligible for admission to the graduate physical therapy program at the University of Minnesota, Twin Cities. Admission is very competitive. Undergraduate coursework should

include two biology courses with labs; elementary anatomy; human physiology; two terms of inorganic chemistry with labs; two terms of introductory physics; one general psychology course; one abnormal psychology course; one course in medical terminology; statistics to include descriptive statistics, regression analysis, and analysis of variance; one computer applications course that presents information on word processing, spread sheet, and database management programs; and calculus. All courses, with the exception of medical terminology, should be taken for a letter grade. In addition, students are advised to pursue a broad-based liberal education, including coursework comparable to the University of Minnesota, Twin Cities liberal education requirements. For more information, see <www.physther.med.umn.edu/>.

submitting the VMCAS application is October 1. For more information or application materials, contact the Office of Student Affairs and Admissions, College of Veterinary Medicine, University of Minnesota, 460 Veterinary Teaching Hospital, 1365 Gortner Avenue, St. Paul, MN 55108; 612/624-4747.

Veterinary Medicine

Enrollment in the professional doctor of veterinary medicine program is limited. A total of 76 students is admitted each fall semester. First priority is given to Minnesota residents and to students from states and provinces where reciprocity applies to the veterinary program (North Dakota, South Dakota, and Manitoba, Canada).

To qualify for admission to the College of Veterinary Medicine, students must complete required coursework in the biological and physical sciences and general education at UMM. Most students complete their bachelor's degree before entering veterinary school but may seek admission during the academic year in which their pre-veterinary requirements are complete.

Required courses include composition, biology, chemistry, mathematics, physics, and general education requirements. Consultation with a UMM adviser is essential for proper course planning.

The Graduate Record Examination (GRE) is required for admission. Students normally take the GRE fall of the year that they are submitting their application to veterinary school. Three letters of evaluation from people who know the student well are also required. The University of Minnesota is a part of the national application process through the Veterinary Medical College Application Service (VMCAS). VMCAS applications are available from the College of Veterinary Medicine beginning in July of each year. Beginning with fall 1999, the deadline for

Listing current as of January 2001

University Regents

Patricia B. Spence, Rice, Chair
Maureen K. Reed, Stillwater, Vice Chair
Anthony R. Baraga, Side Lake
Robert S. Bergland, Roseau
Dallas Bohnsack, New Prague
William E. Hogan II, Minnetonka
Warren C. Larson, Bagley
David R. Metzgen, Sunfish Lake
H. Bryan Neel III, Rochester
Michael O'Keefe, Minneapolis
Jessica J. Phillips, Minneapolis

University Administrators

Mark Yudof, President
Robert Bruininks, Executive Vice President and Provost
Frank B. Cerra, Senior Vice President for Health Sciences
Tonya Moten Brown, Vice President and Chief of Staff
Carol Carrier, Vice President for Human Resources
Sandra Gardebring, Vice President for University Relations
Robert Jones, Interim Vice President for Student Development
Eric Kruse, Vice President for University Services
Christine Maziar, Vice President for Research and Dean of the Graduate School
Charles Muscoplat, Vice President for Agricultural Policy
Mark B. Rotenberg, General Counsel

Morris Campus Administrative Officers

Samuel Schuman (1995), Chancellor; B.A., Grinnell College; M.A., San Francisco State University; Ph.D., Northwestern University
To be announced, Vice Chancellor for Academic Affairs and Dean
Sandy Olson-Loy (1985), Interim Vice Chancellor for Student Affairs; B.A., University of Minnesota, Morris; M.S., Western Illinois University
Gary Strei (1973), Interim Vice Chancellor for Finance; A.D., Alexandria Technical College
Lowell Rasmussen (1993), Associate Vice Chancellor for Physical Plant and Master Planning; B.S., M.S., Mankato State University
John Printz (2000), Associate Vice Chancellor for Enrollment; B.A., Rutgers University; M.A., American University; Ph.D., University of Minnesota, Twin Cities
Nancy Carpenter (1989), Assistant Academic Dean for Faculty Affairs; B.S., Elmhurst College; Ph.D., Northwestern University

Judy Kuechle-Olson (1988), Assistant Academic Dean for Student Affairs; B.S., St. Cloud State University; M.S., Mankato State University; Ph.D., University of Minnesota, Twin Cities
Jennifred Nellis (1977), Chair, Division of the Humanities; B.F.A., University of Nebraska; M.F.A., University of Iowa
Craig Kissock (1969), Chair, Division of Education; B.S., M.A., Ph.D., University of Minnesota, Twin Cities
Michael Korth (1984), Chair, Division of Science and Mathematics; B.A., University of Minnesota, Morris; M.S., Ph.D., University of Maryland
Jooinn Lee (1961), Chair, Division of the Social Sciences; B.A., Yonsei University, Korea; M.A., University of North Dakota; Ph.D., University of Illinois

UMM Alumni Association Board of Directors

Curtis Loschy, '69, St. Paul, President
Virginia Boever, '77, Alexandria, Vice President
Blaine Hill, '87, Breckenridge, Secretary/Treasurer
Susan Bergh, '83, Mahtomedi
Don Brabeck, '84, St. Paul
Carol Eckerson, '80, Minneapolis
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Anna Ronhovde, '98, Minneapolis
Clare Strand, '76, Morris
Kenneth Traxler, '89, Bemidji
Thomas Westman, '74, South Haven

Administrative and Professional Staff

Ferolyn Angell (1990), Director, Academic Assistance; B.A., University of California, Berkeley; M.A., University of California, Los Angeles
David Aronson (1981), Director, Residential Life; B.S., University of Wisconsin, Stevens Point; M.A., University of Wisconsin, River Falls
Matthew Beckendorf (1999), Coordinator, Residential Life; B.S., M.A., University of South Dakota, Vermillion
Brenda Boever (1980), Transfer Coordinator and New Student Adviser; B.A., University of Minnesota, Morris; M.L.S., University of Minnesota, Twin Cities
Roger Boleman (1966), Director, Media Services; B.A., University of Minnesota, Twin Cities
John Bowers (1994), Director, Computing Services; B.A., M.A., University of Iowa
Kevin Brustuen (1999) Development Officer, Fund Development; B.A., University of Minnesota, Morris
Marlys Buntje (1971), Supervisor, Bookstore
Larry Christenson (2000) Assistant Director, Residential Life; B.S., Moorhead State University; M.E., Western Michigan University
Matthew Conner (2000) Assistant Librarian, Library; A.B., Princeton University; M.A., Ph.D., University of Illinois at Urbana-Champaign

- LeAnn Dean (1991), Acting Director, Library; B.A., Concordia College, Moorhead, Minnesota; M.A., University of Minnesota, Twin Cities; M.A., University of South Dakota
- Gary Donovan (1973), Director, Career Center; B.A., M.S., Mankato State University
- Pamela Engebretson (1985), Financial Aid Officer; B.A., University of Minnesota, Morris; M.Ed., University of Minnesota, Twin Cities
- Pamela Gades (1978), User Services Specialist, Computing Services; B.A., University of Minnesota, Morris
- Kathryn Gonier (2000), Coordinator, Disability Services; B.A., University of Minnesota, Morris; M.A., Mankato State University
- Debra Grant (1994), User Services Specialist, Computing Services; B.A., Augsburg College
- Charles Grussing (1981), Sergeant, Campus Police
- Scott Hagg (1998), Assistant Director, Admissions and Financial Aid; B.A., College of Wooster
- Rickey Hall, (1998), Director, Minority Student Program; B.A., M.A., University of Iowa, Iowa City
- Vivian Heltemes (1990), Director, Alumni Relations; B.A., University of Minnesota, Morris
- Gail Hockett (1996), Assistant Counselor, Student Counseling; B.A., University of Minnesota, Morris; M.S., Moorhead State University
- David Jones (1975), Supervisor, Duplicating
- Catherine Kietzman (1986), Supervisor, General Custodial Service
- Karla Klinger (1974), Director, Academic Advising; B.A., St. Olaf College; M.A., University of Chicago
- Lori Koshork (2000), Counselor, Student Counseling; B.A., Hope College; M.A., Western Michigan University
- Ardath Larson (1966), Technical Services Librarian; B.A., Macalester College; M.A., University of Minnesota, Twin Cities
- Corrine Larson (1999), Director, Health Services; R.N., St. Barnabus School of Nursing
- Lou Logan (1973), Financial Aid Officer
- Jennifer Lund (1990), Police Officer; B.S., Mankato State University
- Thomas Mahoney (1980), Director, Grants Development; B.A., University of Minnesota, Morris
- Aida Martinez (1999), Coordinator, Minority Student Program; B.A., Michigan State University; M.S., Indiana University
- Sarah Mattson (1995), Human Resources Officer; B.S., Southwest State University
- Madeline Maxeiner (1976), Director, Fund Development, and Assistant to the Chancellor for External Affairs; B.A., University of Minnesota, Morris; M.A., Saint Mary's University of Minnesota
- Carol McCannon (1976), Program Adviser/Campus Compact Coordinator; B.A., University of Minnesota, Morris
- Roger McCannon (1975), Director, University College (Morris Center); B.A., Iowa Wesleyan College; M.A., Drake University; Ph.D., Iowa State University
- Amy McGovern (1998), Assistant Director, Residential Life; B.A., M.Ed., South Dakota State University, Brookings
- Thomas McRoberts (1968), Associate Director, University College; B.A., University of Minnesota, Morris; M.A., University of Oregon
- Michael Miller (1987), Counselor, Minority Student Program; B.S., Appalachian State University; M.S.W., University of Minnesota, Duluth
- Nancy Mooney (1977), Director, Institutional Research; B.A., University of Minnesota, Morris
- Ron Morris (2000), Coordinator, Admissions and Financial Aid; B.A., University of Minnesota, Morris
- Jason Neuhaus (1998), Coordinator, Residential Life; B.A., University of Nebraska, Lincoln; M.S., Mankato State University
- Peter Orr (1973), Supervisor of Grounds; B.L.A., University of Minnesota, Twin Cities
- Gregory Pauling, Counselor, Admissions; B.A., University of Minnesota, Morris
- Eli Reeve (2000), Police Officer; B.S., Moorhead State University
- Noal Ronken (1999), Coordinator, Admissions and Financial Aid; B.A., University of Minnesota, Morris
- Mickey Rose (1972), Supervisor of General Maintenance; B.A., University of Minnesota, Morris
- David Savela (1990), User Services Specialist, Computing Services; B.A., University of Minnesota, Morris
- Lynn Schulz (1974), Senior Analyst Programmer, Computing Services; B.A., University of Minnesota, Morris
- Clare Strand (1990), Assistant Registrar; B.A., University of Minnesota, Morris
- Ruth Thielke (1971), Registrar; B.A., University of Minnesota, Morris
- Nicole Tietjen (1999), Coordinator, Student Activities; B.S., Northern State University
- Robert Thompson (1973), Technical Support, Plant Services
- Mark Van Overbeke (1988), System Software Programmer, Computing Services; B.A., University of Minnesota, Morris
- Michael Vangstad (1980), Supervisor, Maintenance and Operations
- Douglas Williams (1997), User Services Specialist, Computing Services; B.A., Mankato State University
- Brian Williamson (1997), Chartwells Food Service Manager
- David Wuolu (1996), Assistant Librarian; B.A., St. John's University; M.A., University of Wisconsin, Madison
- Leslie Zenk (1999), Coordinator, Admissions and Financial Aid; B.A., University of Minnesota, Duluth
- Jennifer Zych (2000), Coordinator, Admissions and Financial Aid; B.A., University of Minnesota, Morris

Morris Campus Faculty

Division of Education

Craig Kissock, Chair

Elementary and Secondary Education

Professor

Craig Kissock (1969), B.S., M.A., Ph.D., University of Minnesota, Twin Cities

Administration and Faculty

Associate Professor

- Judith Kuechle-Olson (1988), B.S., St. Cloud State University; M.S., Mankato State University; Ph.D., University of Minnesota, Twin Cities
- Carol Marxen (1992), B.S., St. Cloud State University; M.Ed., University of Minnesota, Twin Cities; Ed.D., University of North Dakota
- Gwen Rudney (1991), B.A., M.A., Ph.D., University of California, Riverside

Instructor

- Michelle Page (2000), B.A., Concordia College; M.S., University of Wisconsin-Madison

Wellness and Sport Science

Director of Intercollegiate Athletics

- Mark Fohl (1985), B.S., Dickinson State College; M.S., University of North Dakota

Assistant to Athletic Director and Head Men's Wrestling Coach

- Douglas Reese (1991), B.S., Northern Michigan University

Head Football Coach

- Kenneth Crandall (1996), B.A., Fort Hays State University; M.A., Pittsburg State University

Head Men's Basketball Coach

- James Severson (1995), B.S., University of Minnesota, Morris; M.S., University of North Dakota

Head Track Coach and Assistant Coach Cross Country

- Laurie Hedlund (2000); B.S., University of Iowa

Head Women's Basketball Coach and Assistant Softball Coach

- Tad Banker (2000); B.A., M.A., Adams State College

Head Women's Volleyball Coach and Head Women's Softball Coach

- Heather Pennie (1998), B.A., University of Minnesota, Morris; M.A., Northern State University

Head Women's Soccer Coach

- Christian DeVries (1998), B.S., M.A., Adams State College

Athletic Trainer

- Todd Neuarth (1994), B.A., University of Minnesota, Morris; M.A., University of South Dakota

Assistant Football Coach and Assistant Equipment Manager

- Todd Hickman (1998), B.E.S., St. Cloud State University; M.A., University of Nebraska, Kearney

Division of the Humanities

- *Jennifred Nellis, Chair

Art

Professor

- John Ingle (1966), B.A., M.F.A., University of Arizona

- *Jennifred Nellis (1977), B.F.A., University of Nebraska; M.A., M.F.A., University of Iowa

Associate Professor

- Joel Eisinger (1989), B.A., Indiana University; M.A., Stanford University; M.F.A., Ph.D., Indiana University

Assistant Professor

- Jasmin Cyril (1995), B.A., State University of New York at Potsdam; M.A., University of Oregon, Eugene; Ph.D., University of Michigan, Ann Arbor
- Julia Dabbs (2000), A.B., University of Michigan, Ann Arbor; M.A., Ph.D., University of Maryland College Park
- John Hitchcock (1998), B.F.A., Cameron University; M.F.A., Texas Tech University
- Jessica Larson (1995), B.A., University of Minnesota, Morris; M.F.A., University of Colorado

English

Professor

- Dwight Purdy (1972), B.A., Beloit College; M.A., Ph.D., University of Texas, Austin
- Samuel Schuman (1995), B.A., Grinnell College; M.A., San Francisco State University; Ph.D., Northwestern University

Associate Professor

- Vicki Graham (1989), B.A., San Francisco State University; M.L.S., M.A., Ph.D., University of California, Berkeley

Assistant Professor

- Susan Bernardin (1996), B.A., Princeton University; M.A., Ph.D., University of California, Santa Cruz
- Debra Blake (2000), B.A., University of Northern Iowa, Cedar Falls; M.A., Ph.D., University of Iowa, Iowa City
- James Countryman (2000), B.A., St. John's University; M.A., Ph.D., University of Minnesota, Twin Cities
- Janet Ericksen (1998), B.A., University of Kansas, Lawrence; M.A., Ph.D., University of Illinois, Urbana-Champaign
- Gretchen Murphy (2000), B.A., Syracuse University; M.A., Ph.D., University of Washington, Seattle

Instructor

- Richard Heyman (2000), B.A., University of California, Los Angeles; M.A., Northeastern University, Boston; University of Washington, Seattle
- Argie Manolis (2000), B.A., B.S., Kent State University; M.F.A., Arizona State University
- James Roderick (2000), B.A., San Diego State University; M.F.A., Louisiana State University

Foreign Languages and Literatures

Professor

- Vicente Cabrera (1987), B.A., Universidad Catolica del Ecuador; M.A., Ph.D., University of Massachusetts, Amherst

- C. Frederick Farrell, Jr. (1965), B.A., University of Massachusetts; M.A., University of Iowa; Ph.D., University of Pittsburgh
- María Luisa Lee (1981), B.A., University of Texas, El Paso; M.A., Ph.D., University of Colorado, Boulder

Associate Professor

- Edith Borchardt (1985), A.B., Vassar College; M.A., Ph.D., University of California, Berkeley
- Matthew Senior (1995), B.A., University of Kansas; Licence es lettres, La Sorbonne, Paris, France; M.Phil., Ph.D., Yale University
- Thomas Turner (1970), A.B., Drury College; Ph.D., University of Missouri

Assistant Professor

- Stacey Parker Aronson (1991), B.A., Ohio Wesleyan University; M.A., University of Kansas; Ph.D., University of Minnesota, Twin Cities
- Kristine Butler (1998), B.A., Carleton College; M.A., Ph.D., University of Minnesota, Twin Cities
- Jenifer Cushman (1998), B.A., Rhodes College; M.A., Ph.D., Ohio State University
- Ray Sibul (1966), B.A., M.A., Wayne State University

Instructor

- Sarah Buchanan (2000), St. Olaf College; M.A. University of Utah
- James Wojtaszek (1999), B. A., M.A., Kent State University

Music

Professor

- *James Carlson (1978), B.A., University of Minnesota, Morris; M.M., Moorhead State College; D.M.E., Indiana University

Associate Professor

- Kenneth Hodgson (1978), B.A., St. Olaf College; M.A., Central Washington State College; D.M.A., University of Illinois, Urbana-Champaign
- Richard Richards (1977), B.M., Concordia College; M.Mus., D.M.A., University of Colorado

Assistant Professor

- Janet Ahern (1970), B.M., Oberlin Conservatory of Music; M.M., Northwestern University
- Pamela Bustos (1997), B.M.E., M.M.E., Appalachian State University; D.A., University of Northern Colorado
- Clifford Panton, Jr. (2000), B.M., Boston University; M.A., D.M.A., University of Iowa

Philosophy

Associate Professor

- Pieranna Garavaso (1985), B.A., M.A., University of Padova, Italy; Ph.D., University of Nebraska, Lincoln
- Ishtiyaque Haji (1992), B.A., M.A., Simon Fraser University, Canada; Ph.D., University of Massachusetts, Amherst

Assistant Professor

- Timothy O'Keefe (1998), B.A., University of Notre Dame; M.A., Ph.D., University of Texas, Austin

Speech Communication

Associate Professor

- Mary Elizabeth Bezanson (1987), B.S., B.A., University of Minnesota, Twin Cities; M.A., Ph.D., University of Washington
- Neil Leroux (1990), B.S., University of Minnesota, Twin Cities; M.Div., Lincoln Christian Seminary; A.M., Ph.D., University of Illinois, Urbana-Champaign

Assistant Professor

- Barbara Burke (1996), M.A., University of Michigan; B.S., B.A., M.A., Ph.D., Purdue University

Instructor

- Loreen Olson (1999), B.A., St. Cloud State University; M.A., University of California-Davis

Theatre Arts

Professor

- Tap Payne (1979), B.S., Eastern New Mexico University; M.F.A., University of Oregon

Assistant Professor

- Ray Schultz (2000), B.A., New York University; M.A., Ph.D., Wayne State University
- Julie Patterson-Pratt (1996), B.A., Midland Lutheran College; M.A., Ph.D., Bowling Green State University

Division of Science and Mathematics

- Michael Korth, Chair

Biology

Professor

- *Van Gooch (1978), B.S., California State University, Hayward; Ph.D., University of California, Berkeley
- David Hoppe (1975), B.A., M.S., University of Minnesota, Twin Cities; Ph.D., Colorado State University

Associate Professor

- Christopher Cole (1989), B.A., Brown University; M.S., Ph.D., University of Minnesota, Twin Cities
- Margaret Kuchenreuther (1991), B.A., University of Northern Iowa; M.S., Ph.D., University of Wisconsin, Madison

Assistant Professor

- Tracey Anderson (1997), B.A., Gustavus Adolphus College; M.A., University of Kansas; Ph.D., Oregon State University
- Paul Myers (2000), B.S., University of Washington, Seattle; Ph.D., University of Oregon
- Beverly Smith (2000), B.S., East Central University, Ada; Ph.D., University of Minnesota, Twin Cities

* *Recipient of the Horace T. Morse-Minnesota Alumni Association Award for Outstanding Contributions to Undergraduate Education.*

Chemistry

Professor

*James Togeas (1961), B.A., St. Olaf College; M.A., University of Minnesota, Twin Cities

Associate Professor

Nancy Carpenter (1989), B.S., Elmhurst College; Ph.D., Northwestern University

James Olson (1959), B.A., Concordia College; M.S., North Dakota State University; Ph.D., University of North Dakota

Assistant Professor

Bradley DeLeeuw (1998), B.A., University of Minnesota, Morris; Ph.D., University of Georgia

Carol Fung Kee Fung (1998), B.S., University of Florida, Gainesville; Ph.D., University of Arizona

Margarita Lazareva (1999), B.S., Lomonosov Moscow State University, Moscow; Ph.D., Zelinsky Institute, Russian Academy of Sciences

Instructor

Timothy Soderberg (2000), B.A., Amherst College; Ph.D., University of Utah

Computer Science

Professor

Angel Lopez (1970), B.S., North Dakota State University; M.S., Ph.D., Michigan Technological University

Associate Professor

Dian Lopez (1991), B.S., Moorhead State University; M.S., Michigan Technological University; M.C.S., Ph.D., Texas A&M University

Nicholas McPhee (1991), B.A., Reed College; M.S., Ph.D., University of Texas at Austin

Instructor

Janet Kinney (1997), B.S., M.S., University of Cape Town, South Africa

Scott Lewandowski (1993), B.S., Clarkson University; M.S., University of Wisconsin, Madison

Geology

Professor

*James Cotter (1984), B.A., Franklin and Marshall College; M.S., Ph.D., Lehigh University

*James Van Alstine (1974), B.A., Winona State University; M.S., Ph.D., University of North Dakota

Assistant Professor

Keith Brugger (1993), B.S., M.S., Lehigh University; Ph.D., University of Minnesota, Twin Cities

Peter Whelan (1983), B.S., Stanford University; M.S., University of Wisconsin, Madison; Ph.D., University of California, Santa Cruz

Mathematics

Professor

Michael O'Reilly (1986), B.Sc., Queen's University, Northern Ireland; Ph.D., Manchester University, England

Associate Professor

*Peh Ng (1995), B.S., Adrian College; M.S., Ph.D., Purdue University

Assistant Professor

Katherine Adams (1999), B.S., Mississippi University for Women, Columbus; M.S., Ph.D., University of Missouri-Rolla

Roxana Costinescu (1998), B.S., M.S., Ph.D., University of Bucharest, Romania

David Craig (1997), B.A., Princeton University; Ph.D., University of California, Santa Barbara

Davorin Dujmovic (1999), B.S., University of Rijeka; Ph.D., University of South Carolina, Columbia

Barry McQuarrie (2000), B.S., University of Winnipeg; M.M., University of Waterloo; Ph.D., University of Manitoba

David Roberts (1999), B.A., Princeton University; Ph.D., Harvard University

Physics

Associate Professor

Michael Korth (1984), B.A., University of Minnesota, Morris; M.S., Ph.D., University of Maryland

Gordon McIntosh (1992), B.S., Westminster College, PA; M.S., West Virginia University; Ph.D., University of Massachusetts, Amherst

Vinod Nangia (1982), B.Sc., Hans Raj College, India; M.Sc., Allahabad University, India; Ph.D., University of North Dakota

Assistant Professor

David Craig (1997), B.A., Princeton University; Ph.D., University of California, Santa Barbara

James Flaten (1997), B.A., Carleton College; Ph.D., University of Minnesota, Twin Cities

Statistics

Professor

*Engin Sungur (1990), B.CP., M.S., Middle East Technical University, Turkey; M.S., Ph.D., Carnegie-Mellon University

Associate Professor

Jon Anderson (1994), B.S., M.S., Ph.D., University of Minnesota, Twin Cities

Instructor

Munir Mahmood (2000), B.A., M.A., Southern Illinois University; Ph.D., Monash University, Clayton

Division of the Social Sciences

Jooinn Lee, Chair

Anthropology

Associate Professor

Dennis Templeman (1971), A.B., Ph.D., University of California, Berkeley

* *Recipient of the Horace T. Morse-Minnesota Alumni Association Award for Outstanding Contributions to Undergraduate Education.*

Assistant Professor

Donna Chollett (1996), B.S., M.A., Iowa State University; Ph.D., Michigan State University

Economics

Associate Professor

Cyrus Bina (2000), B.S., Institute of Advanced Accounting, Tehran; M.A., Ball State University; Ph.S., American University

*Bart Finzel (1989), B.A., Valparaiso University; M.A., Ph.D., Cornell University

Pareena Lawrence (1994), B.A., M.A., Delhi University, India; M.S., Ph.D., Purdue University

Assistant Professor

Stephen Burks (1999), B.A., Reed College; M.A., Indiana University; Ph.D., University of Massachusetts

Watcharas Leelawath (2000), B.A., Chulalongkorn University, Bangkok; M.A., Ph.D., University of Kansas, Lawrence

Joe Timmerman (1997), B.S., M.B.A., University of South Carolina, Columbia; Ph.D., Georgia State University

Management

Associate Professor

*Bart Finzel (1989), B.A., Valparaiso University; M.A., Ph.D., Cornell University

Assistant Professor

Joe Timmerman (1997), B.S., M.B.A., University of South Carolina, Columbia; Ph.D., Georgia State University

Instructor

Joan Reicosky (1983), B.S., Ohio State University; M.Ed., University of South Carolina, Columbia

History

Professor

*Wilbert Ahern (1967), B.A., Oberlin College; M.A., Ph.D., Northwestern University

*Mariam Frenier (1973), B.S., M.A., Kent State University; Ph.D., University of Iowa

Harold Hinds, Jr. (1970), B.A., University of Oregon; M.A., Ph.D., Vanderbilt University

Associate Professor

*Roland Guyotte (1969), A.B., Brown University; M.A., Ph.D., Northwestern University

Assistant Professor

Dimitra Giannuli (1992), B.A., M.A., Aristotle University, Greece; Ph.D., Kent State University

Albert Matongo (2000), B.A., University of Zambia, Lusaka; M.A., University of Essex, Colchester; Ph.D., University of Minnesota, Twin Cities

Instructor

Anna Dronzek (2000), B.A., Williams College; M.A., University of Minnesota, Twin Cities

Political Science

Professor

*Jooinn Lee (1961), B.A., Yonsei University, Korea; M.A., University of North Dakota; Ph.D., University of Illinois, Urbana-Champaign

Assistant Professor

William Hunt (1994), B.A., Hanover College; Ph.D., Vanderbilt University

Seung-Ho Joo (1995), B.A., Yonsei University, Korea; M.A., Eastern Kentucky University; Ph.D., Pennsylvania State University

Paula O'Loughlin (1996), B.A., Smith College; Ph.D., University of Minnesota, Twin Cities

Gregory Thorson (1995), B.A., Augsburg College; M.A., Ph.D., University of California, Riverside

Instructor

Chris Lee (2000), B.A., California State University; M.A., University of California, Riverside

Psychology

Professor

*Eric Klinger (1962), A.B., Harvard University; Ph.D., University of Chicago

Associate Professor

Katherine Benson (1978), B.A., University of Minnesota, Twin Cities; M.S., Ph.D., University of Massachusetts, Amherst

Thomas Johnson (1986), B.A., St. Olaf College; Ph.D., University of Minnesota, Twin Cities

*Jeffrey Ratliff-Crain (1989), B.S., Ohio State University; Ph.D., Uniformed Services University of the Health Sciences

Assistant Professor

Leslie Meek (1995), B.A., University of Minnesota, Morris; Ph.D., University of Michigan

Norrine Ostrowski (1997), B.A., Bradley University; M.A., Ph.D., Bowling Green State University

Sociology

Professor

Vasilikie Demos (1977), B.A., Towson State University; M.A., University of Toledo; Ph.D., University of Notre Dame

Associate Professor

Solomon Gashaw (1986), B.A., Haile Selassie I University, Ethiopia; M.L.I., S.J.D., Ph.D., University of Wisconsin, Madison

Farah Gilanshah (1988), B.A., National University of Iran; M.A., Ph.D., University of Minnesota, Twin Cities

Assistant Professor

Donna Chollett (1996), B.S., M.A., Iowa State University; Ph.D., Michigan State University

Arturo Ramos Dalmau (2000), B.A., University of Puerto Rico; Diplome de Troisieme cycle; University of Paris; Ph.D., Colorado State University, Fort Collins

Questions? Problems? Need information? The following UMM directory should assist persons in directing their requests to the proper offices. Write the appropriate office at the University of Minnesota, Morris, Morris, MN 56267, or call the number listed. The area code is 320.

Academic Advising • 589-6010

Advising assignments, change of major, APAS reports, Scholastic Committee.

Academic Affairs, Vice Chancellor and Dean 589-6015

Academic affairs, curriculum, faculty interests.

Academic Assistance Center • 589-6178

Academic skills, tutors.

Admissions and Financial Aid • 589-6035

Admissions, fees, scholarships, student employment.

Alumni Relations • 589-6066

Alumni records and services, Alumni Association.

Business Office • 589-6125

Payment of fees, college purchases.

Campus Security • 589-6000

Police, emergencies.

Career Center • 589-6065

Career advising, placement services, internships.

Chancellor • 589-6020

General policies and interests of the college.

Computing Services • 589-6390

Computing services.

Continuing Education, Regional Programs, and Summer Session • 589-6450

Evening classes, May Session, summer session, distance education, conferences, advising.

Counseling, Student • 589-6060

Personal counseling services.

Disability Services • 589-6178 (V/TDD)

Accommodations, access, advocacy.

Education, Division of • 589-6400

Division of Education faculty and courses, including wellness and sport science.

Faculty Center for Learning and Teaching 589-6273

Faculty resources for learning and teaching.

Finance, Vice Chancellor • 589-6024

College finances, budgeting, personnel services.

Fund Development • 589-6066

Financial gifts to the college.

Grants Development • 589-6465

Grant opportunities, management.

Health Service • 589-6070

Medical care, health-related excuses.

Humanities, Division of the • 589-6250

Division of the Humanities faculty and courses.

Honors Program • 589-6464

UMM Honors Program.

International Programs, Center for 589-6464

Study abroad.

Library • 589-6175

Circulation, reference, administration.

Minority Student Program • 589-6095

Minority student services.

Plant Services • 589-6100

Physical plant, grounds.

Registrar's Office • 589-6030

Transcripts of grades and records, class schedules, registration.

Residential Life • 589-6475

Student housing, residence hall interpersonal relations and programming.

Science and Mathematics, Division of 589-6300

Division of Science and Mathematics faculty and courses.

Social Sciences, Division of the • 589-6200

Division of the Social Sciences faculty and courses.

Student Activities • 589-6080

College events, student organizations, service learning (Campus Compact).

Student Affairs, Vice Chancellor • 589-6013

Student affairs.

Morris Campus Student Association 589-6086

Student government.

University Relations • 589-6050

Information services, media relations, special events, calendar.

The general college number is 320-589-2211.