

W UNIVERSITY OF WISCONSIN
HITTEWATER



Graduate Bulletin
1993 • 95



BULLETIN OF THE UNIVERSITY OF WISCONSIN-WHITewater

SCHOOL OF GRADUATE STUDIES

1993-95



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Information contained in this publication is also subject to change without notice. For the most specific, up-to-date information on any subject that is part of this publication, contact the Dean of Graduate Studies.

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In accordance with the Family Educational Rights and Privacy Act of 1974, the University of Wisconsin-Whitewater has established a written institutional policy and adopted procedures covering the privacy rights of students. The institution maintains the confidentiality of student education records and does not release any of these records except as provided by the law. Inquiries regarding specific items in the policy may be obtained from the Office of the Registrar.

College of Business and Economics
College of Letters and Sciences

Administration
Graduate Faculty
Curriculum

CHANCELLOR'S MESSAGE

College bulletins describe the breadth of curricula offered, outline the specific requirements of degrees, and set forth the expectations for students. As such this Bulletin serves as a "contract" between the University and the student.

UW-Whitewater has earned a reputation for excellence. Founded in 1868, we are a comprehensive regional university offering undergraduate work in four colleges and master's level graduate work in select disciplines that include Business, Education and Communication.

Our graduate faculty and staff are well prepared as Teacher/Scholars and are committed to providing a caring environment in which students can learn and succeed. Our goal is to prepare people to function effectively in the society of the Twenty-First Century.

My colleagues and I encourage you to visit campus and learn more about the graduate degree program of your choice. Whether you are taking one course or pursuing a degree, we stand ready to assist you in furthering your higher education.

H. Gaylon Greenhill
Chancellor



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1993-95 CALENDAR

First Semester 1993-94

Orientation/Registration	August 26-September 1, 1993
Classes Begin	September 2, 1993
Labor Day	September 6, 1993
Thanksgiving Recess Begins 5:00 p.m.	November 24, 1993
Thanksgiving Recess Ends 7:45 a.m.	November 29, 1993
Commencement	December 11, 1993
Exam Period	December 15-22, 1993
Final Day of Semester	December 23, 1993

Second Semester 1993-94

Orientation/Registration	January 10-14, 1994
Martin Luther King Holiday	January 17, 1994
Classes Begin 7:45 a.m.	January 18, 1994
Spring Recess Begins	March 12, 1994
Spring Recess Ends 7:45 a.m.	March 21, 1994
Commencement	May 7, 1994
Exam Period Begins	May 9-17, 1994
Final Day of Semester	May 18, 1994

Summer Session 1994

Interession	May 23-June 10, 1994
Eight Weeks	June 13-August 5, 1994
First Four Weeks	June 13-July 8, 1994
Second Four Weeks	July 11-August 5, 1994

First Semester 1994-95

Orientation/Registration	August 29-September 2, 1994
Labor Day	September 5, 1994
Classes Begin	September 6, 1994
Thanksgiving Recess Begins 5:00 p.m.	November 23, 1994
Thanksgiving Recess Ends 7:45 a.m.	November 28, 1994
Commencement	December 10, 1994
Exam Period	December 15-22, 1994
Final Day of Semester	December 23, 1994

Second Semester 1994-95

Orientation/Registration	January 9-13, 1995
Martin Luther King Holiday	January 16, 1995
Classes Begin 7:45 a.m.	January 17, 1995
Spring Recess Begins 9:00 p.m.	March 24, 1995
Spring Recess Ends 7:45 a.m.	April 3, 1995
Easter Break Begins at 9:00 p.m.	April 13, 1995
Easter Break Ends at 7:45 a.m.	April 17, 1995
Commencement	May 6, 1995
Exam Period	May 8-17, 1995
Semester Ends	May 17, 1995

Summer Session 1995

Interession	May 22-June 9, 1995
Eight Weeks	June 12-August 4, 1995
First Four Weeks	June 12-July 7, 1995
Second Four Weeks	July 10-August 4, 1995

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POLICIES & PROCEDURES



Section I Policies and Procedures

UNIVERSITY OF WISCONSIN- WHITEWATER

Background. The University of Wisconsin-Whitewater was founded in 1868 as a Normal School to train teachers. Since that time, it has progressed to State Teachers College, State College, and State University. Then in 1972, with the merger of the nine state universities and the former University of Wisconsin, UW-Whitewater became a member of the University of Wisconsin System. The UW System now includes 13 universities and 13 two-year centers. The combined enrollment makes it the fourth largest system of higher education in the United States.

UW-Whitewater itself has grown to over 10,000 students with more than 600 faculty and academic staff members. It is now a comprehensive university offering both undergraduate and graduate degrees. More than 60 majors are offered in four undergraduate colleges: The Arts, Business and Economics, Education, and Letters and Sciences. In addition, the Office of Continuing Education, Extension and Summer Session enrolls hundreds of students on and off campus in both credit and noncredit programs.

The Campus. The University is located in southeastern Wisconsin approximately 45 miles southeast of Madison, 50 miles southwest of Milwaukee, and 100 miles northwest of Chicago. The 400-acre campus is situated in the northwest corner of the City of Whitewater within walking distance of the city's business district.

The campus has more than 40 major buildings including 14 residence halls which serve some 4,000 students. The focal point of the campus is a scenic pedestrian mall around which are located the academic buildings. North of the mall are the residence halls, the Health Center, Williams Physical Education and Recreation Center, a 15,000 seat stadium, and 43 acres of recreational fields.

Graduate Education. Until the last quarter century, UW-Whitewater had only offered undergraduate degrees. In response to societal needs for greater specialization and increased education in the professional work force, graduate programs were initiated at the University of Wisconsin-Whitewater in the early 1960's. Since then, UW-Whitewater has granted 7,980 master's degrees. It has presently the fourth largest graduate school in the UW System with 1,724 students enrolled during the fall of 1992.

Master's degree programs are available in accounting, business administration, business education, communication, curriculum and instruction, educational administration, guidance and counseling, music education, office systems, public administration, reading, safety, school business management,

school psychology, and special education. An extensive program of evening classes is offered for those who are employed during the day. It is possible to complete master's degree programs through summer and evening work without being a full-time student during the academic year.

Graduate degree programs at UW-Whitewater are fully accredited by the North Central Association, the American Assembly of Collegiate Schools of Business, the American Speech-Language-Hearing Association, the National Association of Schools of Music, the National Council for Accreditation of Teacher Education, and the Wisconsin State Department of Public Instruction.

Information on the specific degree programs is found in the section on Degree Programs. For further information on graduate studies and current class schedules, contact: School of Graduate Studies, Roseman 2047, University of Wisconsin-Whitewater, Whitewater, WI 53190-1790.

General information on graduate studies is available on a touch-tone telephone information system which can be accessed by phoning (414) 472-2000.

ADMISSION REQUIREMENTS

In general, all persons who hold a bachelor's or advanced degree from a regionally accredited school may register in graduate-level courses for graduate credit. Proof of a bachelor's or higher degree is required.

Students may be admitted to a graduate degree program either in good standing or on probation. Certain other special categories are established for persons not attempting to complete a degree at this institution. These special categories are "non-candidate for degree" and "guest transfer of credit."

Admission in Good Standing. Requirements for admission to a degree program in good standing are as follows:

1. A baccalaureate or higher degree from a regionally accredited institution.
2. At least a 3.00* overall grade point average in all the graduate work previously completed at UW-Whitewater, with no grades of I or P pending.
3. One of the following:
 - a. At least a 2.75 overall grade point average in the undergraduate degree program.
 - b. At least a 2.90 grade point average in the last half of the undergraduate degree program.
 - c. A master's degree or higher from an institution regionally accredited at the corresponding graduate level.

- d. At least 12 credits of graduate work completed on a regular grade basis at UW-Whitewater.
 - e. At least a 2.50 overall grade point average in the undergraduate degree program, a Graduate Management Admission Test (GMAT) score of at least 570, and at least five years of appropriate work experience. (This option is available only to M.B.A. and M.S. - Accounting applicants.)
4. Any additional requirements set by individual departments or colleges for admission to specific degree programs.

*All grade point averages are on a 4.00 basis.

Admission on Probation. A student who does not meet the requirements for admission in good standing may be admitted to a degree program on probation after furnishing credible evidence of ability to do satisfactory graduate work. Such credibility is determined by the admitting academic department or individual program director, and could be a creditable postgraduate employment record; a satisfactory score on the Graduate Record Examination, GMAT or Miller Analogies Test; or the successful completion of graduate work at a regionally accredited institution.

Students admitted on probation will have 12 credits, including repeated courses, within which to meet the criteria above for good standing status. Those failing to do so will be ineligible to take further graduate work in that degree program.

Non-candidate for Degree (NCFD) Status. Persons who hold a bachelor's degree or a graduate degree from a regionally accredited college or university but do not wish to be admitted to a graduate degree program are classified as NCFD students. Evidence of a bachelor's degree or an advanced degree is required for a NCFD student. This category allows the student to enroll in graduate level courses and to receive graduate credit for this work. Departments and colleges reserve the right to restrict NCFD students from their courses.

Before attempting more than 12 credits as a NCFD, a student is encouraged to file an application for a degree program. Acceptance of any course work toward a graduate degree including course work completed as an NCFD student is at the discretion of the department. Because a graduate degree requires that the student complete a program of courses planned in consultation with an adviser, generally two-thirds or more of the course work must be completed after formal admission to the degree program. Consequently, a maximum of twelve credits taken prior to admission to the program may be applied toward the completion of a degree.

Guest Transfer of Credit. Persons attending another graduate school who wish to take graduate courses at UW-Whitewater and transfer them to that institution may do so. The Graduate Office at UW-Whitewater provides a form to be completed by an official of the graduate school to which the credits are to be transferred.

The form certifies that the student is attending the other institution and states the provisions for approval of the work taken at UW-Whitewater toward the degree at the other institution.

Deficiencies in Background for Graduate Study. If a department finds that a student lacks the proper academic background for graduate studies, it may specify that deficiencies be made up before the student completes a degree. In some cases, deficiencies may have to be made up by registering in undergraduate courses which do not count toward completion of a master's degree.

Seniors Taking Graduate Courses. UW-Whitewater undergraduate students with senior status may be allowed to take at most six graduate credits at UW-Whitewater provided they have completed at least 90 semester credits with at least a 2.75 overall grade point average (or 2.90 over the last half of their course work) and have the written recommendation of the department chairperson of their undergraduate major. Eligibility for this privilege must be established with the Graduate Office and is not available to seniors at other institutions. Seniors may not use graduate-level credits to satisfy requirements for the bachelor's degree, and undergraduate fees will be charged for their graduate-level work.

APPLICATION PROCESS

Application to Degree Programs. To apply for admission to a graduate degree program, individuals must:

1. Send a completed application for admission form together with the nonrefundable application fee payable to UW-Whitewater, to the Graduate Office. All requests to transfer and/or apply previously taken graduate course work toward the degree requirements must be included in the application. Application forms may be obtained from the Graduate Office.
2. Request that the registrar at each institution of higher education previously attended, other than UW-Whitewater, send an official transcript of all college or university work completed at the institution directly to the School of Graduate Studies at UW-Whitewater. Transcripts submitted personally by applicants will not be accepted. In the case of an institution in a foreign country that does not issue transcripts other than the single official copy presented to the student, a photocopy may be submitted provided that the applicant presents the official document for verification of authenticity at the Graduate Office upon arrival at UW-Whitewater.
3. Submit all other credentials (e.g., test scores and letters of recommendation) required for admission to the particular program for which admission is being sought.

In addition, international students must:

4. Arrange for an official Test of English as a Foreign Language (TOEFL) score to be sent directly to the Graduate Office if English is not the native language. A TOEFL score of 550 is required for admission into some of the degree programs and is strongly recommended for the others.
5. Send a completed certification of finances form to the Graduate Office to demonstrate that there is adequate financial support available during the planned period of study. Forms will be issued upon request by the Graduate Office.
6. Have a former professor send a letter of recommendation directly to the Graduate Office attesting to the student's ability to pursue graduate study in the United States.

All application credentials must be sent to the School of Graduate Studies, UW-Whitewater, Whitewater, Wisconsin 53190-1790. These materials become the property of the University and are not returned to applicants or forwarded to other institutions. Applications will not be processed until all of the above credentials have been received.

All application material (including transcripts and other material that may be required) must be received at least 45 days prior to the start of classes to be considered for admission for a given term. Please note: Individual programs may have earlier deadlines. In order to ensure receipt of all application materials by the deadline, applications should be submitted at least three months before the beginning of the term the applicant plans to attend. Applications received or completed fewer than 45 days prior to the start of classes will be considered for admission for the following term. Students whose applications for program admission are pending may enroll in course work as non-candidate for degree students, but are subject to the twelve credit limit on course work that may be taken prior to the term of a program admission and then applied toward the completion of a degree.

Application for admission will be considered during the applicant's last term of undergraduate study; however, admission will be conditional upon the applicant attaining the baccalaureate degree and meeting all the requirements for admission.

After application credentials have been evaluated, students will be notified of their admission status. If accepted into a degree program, they will be assigned an adviser and sent class registration material.

Reactivation. Applicants who do not enroll in graduate course work at UW-Whitewater within a calendar year of the beginning of the term for which they were admitted and students who have not enrolled in graduate course work within a calendar year are considered inactive. Inactive students must update and reactivate their files by completing a reactivation form before they will be eligible to register for graduate courses. Forms are available at, and must be submitted to, the Graduate Office.

Advising. Students are assigned faculty advisers by, and generally within, their major or emphasis department. Advisers are available to help plan each student's program of study and to assist in the selection of courses before students register for classes. Graduate students who seek state professional education licensure should also contact the Director of Licensure for current licensure requirements.

Registration. Graduate students who have been admitted to a degree program for a given term or have enrolled in a graduate course during the year preceding a given term, except for those who will have graduated from the University, will be sent a registration form and a timetable of graduate classes for that term. These materials are mailed well in advance of the beginning of a term and include instructions on registering for classes.

Since UW-Whitewater reserves the right to cancel classes that have insufficient enrollment and to restrict classes filled to capacity, students are strongly advised to register in advance by the published dates in order to attain the classes they need. Advance registration also enables departments to make timetable adjustments when possible to accommodate student requests. Students who register in advance will be sent class schedules and will be contacted if there are problems with their course requests.

Enrollment Management. UW-Whitewater is under a continuing program of enrollment management where limits have been placed on the number of students that can enroll in a given semester. Limitations imposed by enrollment management may cause admission of students to degree programs and admission of NCFD students to be suspended prior to the beginning of a semester. Students are reminded that early submission of applications (prior to Graduate School and program deadlines) will increase the likelihood that qualified students will be able to enroll in classes for a given term. Qualified students applying after these deadlines are unlikely to be able to enroll in courses during the upcoming term; instead, they are likely to have to wait until a subsequent term to begin their course work.

ACADEMIC REQUIREMENTS AND POLICIES

In addition to the graduate school academic requirements and policies, it is the prerogative of each graduate degree program to impose more stringent requirements. A graduate student is responsible for meeting all degree requirements in effect at UW-Whitewater during the term for which the student is admitted into the current degree program unless the student's attendance at UW-Whitewater is interrupted by an absence of four or more consecutive academic sessions (including summers), in which case upon re-entry, the student will be subject to the requirements in effect at that time.

General graduate school academic requirements and policies (contained in this section) may be changed by the actions of the Graduate Council. Each graduate student is responsible for

adhering to all current graduate school policies. Students are apprised of updated graduate policies through the Graduate Timetable. Information about changes in general graduate school policies is also available at the Graduate Office.

Licensure. Many degree programs allow students to attain licensure within the degree program. However, licensure requirements are different from degree requirements. Questions about licensure should be directed to the Director of Licensure.

Minimum Degree Credit Requirements. All graduate degree programs at UW-Whitewater require at least 30 graduate credits distributed according to the requirements of the individual programs. The minimum credit requirements and credit distribution for specific degree programs are stated in this bulletin under program descriptions.

At least half of the graduate work in a degree program and at least half of the work in an emphasis within the program must be completed in courses numbered 700 or higher. In addition, a grade point average of at least 3.00 (B) over all the graduate work taken toward the degree, as well as in all the graduate work taken in the student's emphasis, is required for graduation.

Credit Restrictions. Undergraduate courses, including those taken to make up deficiencies in background or in supervised teaching, will not be counted toward the number of graduate credits required for a degree. Undergraduate courses may not be used to satisfy master's degree requirements, and graduate courses may not be used to satisfy undergraduate requirements at UW-Whitewater.

No course in the major or emphasis or any other required course in which a grade of below C (2.00) has been earned may be applied toward the completion of any degree. Not more than three graduate level courses in which a grade of BC (2.50) or C (2.00) has been earned may be counted toward the completion of a degree program.

During a semester, students may register for at most 15 credits, while those on probation should not take more than 12 credits. Graduate assistants must be registered for at least nine graduate credits, but no more than 12 credits each semester. During the 8-week summer session, students are limited to a total of 9 credits with at most 6 credits being earned during either 4-week session. Three credits are the maximum that may be taken in Intersession. Courses taken on an audit basis are subject to the above limits.

A student may not carry more than 3 credits of individual studies in a single term. Not more than 4 credits in individual studies, not more than 6 credits of special studies, and not more than a combined total of 9 credits of individual studies, workshops, and special studies may be applied toward the completion of a degree. Departments retain the prerogative of allowing fewer than 9 of these types of credits to apply toward their respective graduate degrees.

Course Repeats. Graduate students are allowed to repeat at most two courses in their degree programs. Courses may be repeated only once. When a course is repeated, the original course and grade remain on the transcript; however, the last grade and credits earned replace the originals and are the only ones used in computing the grade point average in the degree and emphasis. Students who have been dropped from a degree program may not use the course repeat process to gain readmission into that degree program.

Course Retakes. A course taken for undergraduate credit may not later be changed to graduate credit. Courses taken for undergraduate credit may not be retaken for graduate credit, although exceptions may be granted by the student's degree program coordinator when the field of knowledge has changed to the degree that the course content has changed substantially from the first time the student took the course to the present. Graduate courses may not be retaken unless indicated otherwise in the Graduate Bulletin.

Transfer of Credit. All course work, with the exception of up to nine credits, must be completed at UW-Whitewater. Additional course work taken at other institutions may allow specific program requirements to be waived; however, no more than nine transfer credits may be applied towards the credit requirements of a degree program. Some specific consortium arrangements between UW-Whitewater and other institutions may allow more than nine credits to be completed at the participating institutions.

Credit for a course completed at another institution may be transferred to UW-Whitewater and applied toward a graduate degree provided (1) the institution offering the course is regionally accredited at the graduate level, (2) the course appears as a graduate course on the student's graduate transcript from the institution offering the course, (3) the course is applicable toward a graduate degree at the institution offering the course, (4) the course is appropriate for the student's proposed graduate degree program at UW-Whitewater, (5) the course is not a correspondence course, nor was it taught in a format less rigorous than that for UW-Whitewater courses, and (6) the student earned a grade of at least B (3.00) for the course. All requests to apply course work taken by a student prior to being accepted into a degree program at UW-Whitewater toward the degree requirements must be included in the application for admission to the degree program.

Students who have already been admitted to a degree program here and who wish to take a course at another institution and have it transferred to UW-Whitewater, must obtain permission prior to enrolling in the course. Forms for this prior approval are available in the Graduate Office. The institution at which the student wishes to earn graduate credit may also require documentation of the student's graduate status at UW-Whitewater.

Questions for the comprehensive examination for the master's degree may be included from courses accepted in transfer to UW-Whitewater. Students should contact their degree program coordinator about this matter.

For the purpose of interpreting the transfer of credit policy and the other policies of this bulletin, the degrees listed below are considered to be separate degrees to which the policies apply. The twelve-credit limit on courses taken prior to program admission does not apply to changes in emphases within any of the degree programs below. Students in existing degree programs not listed below who wish to transfer to one of the listed degree programs should contact the Graduate Office.

M.B.A.
 M.M.E.
 M.S. - Accounting
 M.S. - Business Education
 M.S. - Communication
 M.S. - Curriculum & Instruction
 M.S. - Guidance & Counseling
 M.S. - Office Systems
 M.S. - Safety
 M.S.E. - Reading
 M.S.E. - School Business Management
 M.S.E. - School Psychology
 M.S.E. - Special Education

Students may not receive a master's degree from a degree program in which they already hold a master's degree, although they may complete a second emphasis within a degree program.

Degree Program Options. At the discretion of the individual degree programs, the following options are available to graduate students:

Comprehensive examination option. A minimum of 30 credit hours of course work, including a comprehensive examination.

Thesis option. A minimum of 30 credit hours of course work, including a thesis taken for one to six credits.

Course work option. A minimum of 36 credit hours of course work.

Degree programs may set additional requirements for any of these plans. Students should check with their degree program coordinator for the options available and for the requirements within each option.

When options exist, students should consult their adviser early in their studies to determine which plan best meets their needs. A thesis may be advised for those who wish to seek depth in an academic area, while those who prefer a breadth of knowledge may select comprehensive examinations. Students formally declare the thesis option by registering for the course, 799 Thesis Research. They declare the comprehensive examination option by submitting their application to take the comprehensive examination. After declaring an option, students are permitted to change options only once. Changing options penalizes students who have either prepared a thesis or invested time preparing for

the comprehensive examination. Changes in options must occur before students have failed twice in their first option. Failure occurs when a student's comprehensive examination is adjudged a failure or at any time a student's thesis committee formally indicates failure.

Comprehensive Examination. Students must complete a minimum of 30 credit hours of graduate course work and pass a comprehensive examination in the major or emphasis field under the comprehensive examination option. Examinations may be written and/or oral at the discretion of the degree program. Written examinations are intended to take approximately six hours to complete. Questions may cover any graduate work done in the major or emphasis, including credits transferred from other institutions.

Comprehensive examinations are administered once each term near the end of the term. In general, students may not take the examination until during or after the final term of their course work. Exceptions may be made for students who have a practicum or a semester of student teaching remaining. To be eligible to take the examination, students must have cleared all pending incomplete (I) and progress (P) grades and must be in good standing with at least a 3.00 grade point average in the graduate level credits earned in the degree program and in the emphasis area.

Comprehensive examinations are graded either "passed" or "failed." Students who fail the examination may retake it after completing additional work, as designated by those administering the examination, in a subsequent term. Students may retake comprehensive examinations at most twice after an initial failure and after the required additional work has been completed following each failure. Specific programs may have more stringent rules.

Thesis. The thesis option requires a minimum of 30 credits of graduate course work including a thesis for which up to six credits may be earned and applied toward the completion of course and credit requirements in the degree program. Because a thesis is a culminating experience for a degree, only students electing the thesis option within a degree program may register for 799 Thesis Research. Students wishing to pursue significant research projects outside of the thesis requirement for a degree may register for 798 Individual Studies. Students electing to write a thesis in a degree program must formally enroll and pay fees for at least one credit of 799 Thesis Research. Before being allowed to register for 799 Thesis Research, a student must submit to the Graduate Office a thesis proposal form indicating the thesis topic, the proposed number of credits, and the thesis adviser. This form, signed by the thesis adviser, must be on file before a student will be allowed to register for 799 Thesis Research. Enrollment and fee payment for 799 Thesis Research is done only once even though the thesis may require more than one term to complete. With the adviser's permission, in succeeding terms students may increase the number of thesis credits up to the maximum of six by submitting a revised thesis proposal form, then adding and paying for the additional credits.

Theses vary in type, style, length, and content. They range from research projects to art exhibits. A thesis, however, must involve enrollment in 799 Thesis Research, an oral examination on the thesis, and the filing of the thesis in the Andersen Library. Art shows, etc., must have abstracts and brief written descriptions that must be filed in Andersen Library. Projects done as degree requirement options, but that do not fit the above requirements, are not considered to be theses and are not filed in Andersen Library. They may, however, be filed in departmental offices.

Each thesis is expected to contain evidence of research on the part of the student and must be submitted in a form and quality specified by the School of Graduate Studies. These standards and guidelines are available at the Graduate Office. Unless a department informs the Dean of Graduate Studies in writing that it has adopted some other style manual, theses should be prepared according to the most current edition of the *Publication Manual of the American Psychological Association*. The original and one copy of the approved thesis and its abstract should be delivered to the Graduate School Office by the end of the term in which the student plans to graduate. Degrees are not conferred until these requirements have been met.

Students also must pass an oral examination over their thesis administered by an appointed thesis committee. The oral examination will be held in an open meeting, announced at least one week prior to the examination. A student's committee will consist of a minimum of three persons at least two of whom, including the committee chairperson, have graduate faculty status. Committee members may be brought in from outside the faculty of the degree program. The majority of the thesis committee members must sign the signature page of the thesis, signifying acceptance by the committee of the thesis. The thesis committee chair's signature signifies successful completion of the oral examination.

In general, students may not take the oral examination until the term in which they expect to graduate. To be eligible to take the oral examination, students must have cleared all pending incomplete (I) and progress (P) grades except for thesis research, and must be in good standing with at least a 3.00 grade point average in the graduate level credits earned in the degree program and in the emphasis area.

All 799 Thesis Research courses are graded on a pass/fail (S/F) basis. A grade of pass (S) for 799 Thesis Research is not awarded until the oral examination is passed and the thesis is filed. A student who switches from a thesis option will be administratively dropped from any existing 799 Thesis Research credits which show a grade of progress (P). A withdraw (W) grade will be recorded.

Use of Human Subjects in Research. Federal law and University policy require that research projects involving human subjects be designed as much as possible to protect the rights of the subjects. This pertains to projects for classes on research methodology, independent studies, and thesis research. Prior to initiation of the

work, each proposal involving human subjects and its provisions for their protection must be reviewed and approved by the appropriate college committee or by the Institutional Review Board for the Protection of Human Subjects.

Research on regular and special education instructional strategies and research on the effectiveness of or comparison of instructional techniques, curricula, or classroom management methods are among the types of projects that may be handled by an expedited review process. For a complete listing of the types of research that may be handled by expedited review, see *The Manual of Policies and Procedures for Protection of Human Subjects*, which is available in the Graduate Office.

For additional information, contact the chair of the appropriate college committee on human subjects in research or the Assistant Dean for Research within the Graduate Office.

Care and Use of Laboratory Animals. All students involved in the care or use of vertebrate animals and all facilities used for such animals must operate within the guidelines of the *Guide for the Care and Use of Laboratory Animals*. Copies of the Guide and other pertinent materials may be obtained from the Assistant Dean for Research within the Graduate Office, who is the Chair of the Institutional Animal Care and Use Committee.

Course Numbers. Courses numbered 500 or higher at UW-Whitewater are graduate courses, while those numbered under 500 are undergraduate courses. Courses numbered from 500 to 599 are junior-graduate courses and those numbered 600 to 699 are senior-graduate courses. Courses numbered 700 or higher are open only to graduate students.

Grading System. Students may earn regular grades of A, AB, B, BC, C, D, and F in graduate courses. Grading is based upon a four point system: each semester credit of A is assigned four grade points, each semester credit of AB is assigned 3.5 grade points, each semester credit of B is assigned three grade points, etc. Students' degree grade point averages and their grade point averages in a major or emphasis area (as shown on their academic progress reports) are calculated upon the graduate course work attempted at UW-Whitewater and graduate courses accepted in transfer from other institutions. Students' overall UW-Whitewater grade point averages (shown on transcripts) are calculated solely upon all the graduate course work attempted at UW-Whitewater.

In addition to the regular grades mentioned above, instructors may assign special grades in certain situations. A grade of S denotes the student has passed a course taken on a pass/fail basis. Students registered for a course on this basis receive either an S or an F. While grades of F count in computing grade point averages, S grades do not. Instructors decide what constitutes pass for their courses. Students should request the criteria prior to the deadline for changing registration. After the tenth day of classes (less for summer and short-term courses), a student's registration may not be changed from a pass/fail basis to a regular grade basis or vice versa. All 799 Thesis Research courses are

graded on a pass/fail basis. Workshops may be taken on a pass/fail basis. Other courses made available by departments on a pass/fail only basis are so indicated in advance in the graduate timetable of classes. Since the decision on whether or not a course taken on a pass/fail basis will count in a degree program rests with the degree program, students should attain appropriate permission from the degree program coordinator prior to taking a course pass/fail.

A grade of **NC** indicates an unsuccessful attempt of a practicum graded on a satisfactory/no credit basis. This grade differs from an **F** in that it is not computed in the grade point average.

In courses designed to extend beyond the term of registration, e.g., thesis research, instructors may assign a grade of **P** to indicate progress toward completion. In courses not designed to extend beyond the term of registration, instructors may assign a grade of **I** to indicate a student's course work was incomplete due to documented extenuating circumstances. Neither **P** nor **I** grades are calculated into the term or cumulative grade point averages. An **I** grade is accompanied by a signed contract in which the instructor specifies the work to be completed by the student. A **P** or **I** grade is replaced by a regular grade when the course work is completed. The grade point average for the term in which the course was registered, as well as for subsequent terms, and cumulative grade point averages will then be retroactively computed using the regular grade replacement. A regular grade cannot be changed to a **P** or **I** on a temporary basis. With the exception of 799 Thesis Research, course work must be completed within one calendar year from the time the **P** or **I** grade was assigned. Students may petition instructors for extensions of this deadline. Instructors granting extensions will then inform the Registrar's Office. The Registrar's Office automatically changes a **P** or **I** grade to an **F** when the work has not been completed by the deadline.

A grade of **N** is recorded by the Registrar's Office when an instructor does not report a grade for a student officially registered for the course. The **N** grade is the same as an **F** in every way except for the possibility of it being removed or changed with appropriate documentation provided by the student. The student must take the initiative to remove or change any **P**, **I**, or **N** grades.

The grading symbol for audit is **X**. This grade is not calculated in the grade point average. No credit is earned in courses registered under this option.

Permanent Academic Record. A permanent academic record will be maintained in the Records department of the Registrar's Office. Students share in the responsibility for the accuracy of their records. Each semester's final grade report should be reviewed carefully and the Registrar's Office should be contacted immediately if there are any errors. No changes will be made to course entries that are not appealed within two years of the posting date, and changes will not be made to a record after the degree is officially entered.

Academic Probation. Students in degree programs who fail to maintain at least a 3.00 overall grade point average for all graduate work completed at UW-Whitewater are placed on academic probation. A student on academic probation must attain at least a 3.00 overall grade point average within the next 12 graduate credits attempted at UW-Whitewater (including courses that are repeated) in order to be returned to good standing status. Failure to accomplish this will result in the student being dropped from the degree program with ineligibility to take further graduate work in that degree program.

Changes in Registration. Students who intend to make a change in their course requests or class schedule, including withdrawal from the University, are subject to the procedures, deadlines, and fee refund policies which are printed in the graduate timetable of classes for the given term. Failure to follow the procedures and meet the deadlines may result in students receiving failing grades for not completing the course work.

In general, students may not add a course after the first week of classes in a term. Students may not drop a course without academic penalty after the first six weeks of a semester or after 33 percent of the class days have passed during a summer session or in those classes which do not last a complete semester. Forms for adding or dropping a course after a deadline are available in departmental offices.

Students who want to completely terminate their study during a term, even if they are registered for only one course, should file a withdrawal form. Withdrawal from the University means complete separation from all courses, residence halls, food service and related student activities for the term; however, the students' files remain active per the guidelines detailed in the section entitled Application Process. Withdrawal forms are available at the Registrar's Office.

Students may, at any time, voluntarily withdraw from a degree program by notifying the Graduate School in writing. Students may then apply for admission to any degree program, including the one from which they have just withdrawn. In all cases, a student's cumulative grade point average will be carried forward. The student will be subject to the admission requirements in effect at the time the new application is made. All graduate course work previously completed will be re-evaluated. Academic departments may consider the student's prior performance in the degree program in determining eligibility for admission to the program and the status of admission (i.e., in good standing or on academic probation). A student may not be admitted into the same degree program more than twice.

Time Limit. Students have seven years in which to complete their degree program, measured from the beginning of the term in which the first course to be included in the degree was completed, but not later than the beginning of the term for which they were admitted. Based upon good cause, students may request an extension of this time limit. Such requests should be made in writing, should include the reasons for which the request is being

made, and should be directed to the student's degree program coordinator. Requests for extensions not exceeding two additional years will be considered and acted upon by the faculty of the degree program or the degree program coordinator. Requests for extensions beyond two additional years will be considered only in cases of extreme and unavoidable hardship; such requests must also be acted upon by the Committee on Exceptions to Graduate Policy, and must carry the endorsement of the degree program coordinator. All student requests for extensions are reported by degree program coordinators to the Graduate School Office on the appropriate form.

Graduation. Before the beginning of the term in which a degree is expected, students should meet with their advisers to make sure that all course requirements are being met. A student's degree program coordinator is responsible for certifying that the student has met all of the academic requirements for graduation. No student may receive a degree until all I and P grades have been cleared and the student is in good standing with at least a 3.00 grade point average in the graduate level credits earned in the degree program and in the emphasis area. Also, all financial obligations to the University must be cleared by the Accounting Office before students may be issued diplomas and final transcripts of their academic records.

Students must file applications for graduation with the Graduate Office early in the semester or the summer session in which they plan to graduate. Forms are available at the Graduate Office. A graduation fee must be paid not later than one month before the date of graduation regardless of whether or not students attend the voluntary commencement ceremony. Specific deadlines and fees are published in the current Graduate Timetable. The fee is payable to UW-Whitewater and should be sent together with a graduation fee card to the Cashier's Office, L-1008, P.O. Box 88, Whitewater, WI 53190-1790. If a student fails to graduate during the intended term, new application forms for graduation must be filed in a subsequent term, although the graduation fee does not have to be paid again.

Appeals. Graduate students are responsible for meeting the terms and conditions of the School of Graduate Studies and the individual program requirements. In cases where exception to graduate school policies or other regulations seems justified, a student may petition. Requests for specific exceptions to graduate school policies should be presented by students in writing and should include clearly stated compelling reasons which may justify an exception. Such requests should be addressed to the Dean of Graduate Studies and submitted to the Graduate Office at least thirty days prior to the term for which the request would be effective. The Dean will forward each request, accompanied by a recommendation from the program coordinator of the student's major or emphasis, to the Committee on Exceptions to Graduate Policy for its consideration. Students are notified of the action on their requests. Actions by the Committee on Exceptions to Graduate Policy may be appealed to the Graduate Council. Appeals of actions/decisions must be made in writing within thirty days of students being notified of actions/decisions.

Appeals involving college or department policies, procedures, or other academic matters, including those policies which supersede graduate school policy, will be resolved by the appropriate unit within the college. Such appeals are initiated by students through their advisers. Since NCFD students are not assigned an adviser, they may appeal directly to the college or department where the problem occurred. In either case, appropriate appeal procedures will then be followed as established by the individual college or department within the college.

FEES

Academic Fees. Academic fees are set by the Board of Regents of the UW-System and are subject to change by the Board without notice. Fees shown here are those in effect at the time this bulletin was prepared and are subject to change without notice.

Fall Semester 1993-94 Graduate Fee Schedule

Credits	Resident Fee	Non-Resident Fee
9.0 & over	\$1,321.14	\$3,966.14
8.0	1,174.24	3,524.96
7.0	1,027.46	3,084.34
6.0	880.68	2,643.72
5.0	733.90	2,203.10
4.0	587.12	1,762.48
3.0	440.34	1,321.86
2.0	293.56	881.24
1.0	146.78	440.62
.5	73.39	220.3

Special Graduate Business Fees

Credits	Resident Fee	Non-Resident Fee
9.0 & over	1,481.14	4,126.14
8.0	1,316.48	3,667.20
7.0	1,151.92	3,208.80
6.0	987.36	2,750.40
5.0	822.80	2,292.00
4.0	658.24	1,833.60
3.0	493.68	1,375.20
2.0	329.12	916.80
1.0	164.56	458.40
.5	82.28	229.20

State Residency. If you have been a bona fide resident of the State of Wisconsin for one full year prior to the beginning of the term of your enrollment, you are exempt from payment of nonresident tuition. Also, if you are a person who has been continuously employed full-time in this State, and you were relocated to

Wisconsin by your current employer, or you moved to Wisconsin and accepted your current employment before applying for admission to UW-Whitewater, you, your spouse, and your dependents will be exempt from the payment of nonresident fees provided the member of your family making application demonstrates an intent to establish and maintain a permanent home in Wisconsin. Intent to become a bona fide resident may be demonstrated or disproved by factors including, but not limited to, filing of Wisconsin income tax returns, eligibility to vote in Wisconsin, motor vehicle registration in Wisconsin, possession of a Wisconsin operator's license, place of employment, and self support.

In addition, if you are a nonresident member of the armed forces (family included) stationed in the State, a minor student and your parents have been bona fide residents of the State for 12 months prior to the beginning of the semester of enrollment, a student who is a graduate of a Wisconsin high school whose parents have been bona fide residents of the State 12 months prior to the beginning of the semester of enrollment or whose last surviving parent was a bona fide resident of the State 12 months preceding his/her death, a minor student who is an orphan and has resided substantially in the State during the years of minority and at least 12 months prior to the beginning of the semester of enrollment, or a minor student whose natural parents are divorced or legally separated provided one or both parents have been bona fide residents of the State for at least 12 months prior to the beginning of the term of enrollment, you are entitled to exemption from nonresident tuition.

However, if you enter and remain in this State principally to obtain an education, you are presumed to continue to reside outside this state, and such presumption continues in effect until rebutted by clear and convincing evidence of bona fide residence.

Minnesota-Wisconsin Reciprocity. This agreement allows Minnesota residents to pay a reduced nonresident fee to attend a Wisconsin University. Arrangements to participate in this program may be made by filing an application with the Minnesota Higher Education Coordinating Board, 400 Capitol Square Building, 550 Cedar Street, St. Paul, Minnesota, 55101. (Telephone: 612-296-5715).

Room and Board. The cost of housing and meals varies greatly with different types of living accommodations and with individual life styles. However, the following information is provided as an indication of what students might expect to pay if they were to live on campus. For the spring semester of the 1992-93 academic year, the cost of a double occupancy room in a residence hall was \$675. The cost of a 19 meal plan for 17 weeks was \$471. Both prices are subject to change without notice.

Textbooks. Graduate students pay no textbook rental fees and are expected to purchase texts and other instructional materials that are assigned in courses. The University's textbook rental service is not authorized to rent books to graduate students. The University Bookstore (Moraine Hall) sells graduate texts and

other course materials. Students should check with the instructor of the course for the needed materials and textbooks. Since text requirements differ widely, no attempt is made here to estimate textbook purchase costs.

Fee Payments. All students are required to pay a \$100.00 registration deposit before they can register. This deposit will be applied to the academic fee for the semester. UW-Whitewater offers two methods to pay fees:

- (1) **Payment in full.** Students may pay all fees (academic, room, food) in full by the billing due date for advance registrants. If they register after the advance registration process, students should pay in full at the same time they register.
- (2) **University Installment Credit Plan.** (Not available for summer session). If electing to use the installment plan, students must fulfill the following requirements:
 - A) They must have a signed Installment Credit Agreement and Marital Property Form on file with the University.
 - B) The balance of the financial obligation plus a FINANCE CHARGE AT AN ANNUAL RATE OF 18% (1 1/2% monthly periodic rate) on balances of \$500 or less and a FINANCE CHARGE AT AN ANNUAL RATE OF 12% (1% monthly periodic rate) on the portion of the balance exceeding \$500 is payable upon receipt (not to exceed 30 days from the billing date). Billing statements are mailed to the student's local address as filed with the Office of the Registrar; however, failure to receive a statement in no way relieves a student from the obligation to make timely payments.
 - C) Failure to have a signed Installment Credit Agreement and Marital Property Form on file will result in a \$20 administrative fee if fees are not paid in full during the registration fee payment process. An additional \$10 administrative fee (total \$30) will be assessed if fees are not paid in full by the end of the second week of school.

FINANCIAL ASSISTANCE

Graduate Assistantships. UW-Whitewater has a limited number of graduate assistantships for selected full-time graduate students. To be eligible for consideration, individuals must be enrolled in a graduate degree program at UW-Whitewater in good standing status. Graduate assistants must register for at least nine graduate credits, but no more than 12 credits, each semester.

Students receiving full assistantship awards are expected to perform 20 hours of service per week. Workloads for partial awards are reduced proportionately. Duties will involve assignments such as laboratory assistant, research assistant, the preparation of materials for instruction, or other assignments of an academic nature.

The amount of a full assistantship award for the 1992-93 academic year was \$6,400. The award amount for subsequent years is contingent upon funding being appropriated from the Wisconsin State Legislature, and is subject to change. When funds are available, out-of-state students who receive at least 2/3 of a full assistantship for an academic year or for one semester will be eligible for a remission of the nonresident portion of tuition costs for the corresponding time period. In addition, the out-of-state portion of the fees may be waived for the summer session if the student received at least 2/3 of a full assistantship award for the preceding spring semester.

New students and students taking courses as non-candidates for degree must complete and return both an application for admission and an application for a graduate assistantship. Students who have already been admitted to a graduate degree program should submit only an application for a graduate assistantship. Completed application forms should reach the Graduate Office by March 15 of the preceding year for first consideration. Recipients will be notified in writing and issued an employment contract as early as possible.

Advanced Opportunity Program (AOP) Awards. The purpose of AOP is to expand the number of minority/disadvantaged students who receive graduate degrees from UW-Whitewater. To be eligible for an AOP award, individuals must be (1) U.S. citizens or permanent residents at the time of application and (2) members of traditionally under-represented minority groups (Black, Hispanic, American Indian/Alaskan Native or statutorily designated Southeast Asian) or nonminority/disadvantaged students. Individuals who are residents of the State of Wisconsin and members of the aforementioned minority groups are given highest priority for receiving AOP awards.

The amount of a full AOP award for the 1993-94 academic year is \$7,000. The award amount for subsequent years is contingent upon funding being appropriated from the Wisconsin State Legislature, and is subject to change. Out-of-state students who receive AOP awards are also eligible for a remission of the nonresident portion of tuition costs for the time period of the award.

Additional information and application forms are available by contacting the Office of the Assistant Vice-Chancellor for Academic Support Services, 226 McCutchan Hall, University of Wisconsin-Whitewater, Whitewater, WI 53190-1790. Phone (414) 472-4985.

Financial Aid. Financial Assistance is available to UW-Whitewater students in the form of grants, loans, and employment. All these aids make up a "Financial Aid Package" and may be offered singly or in various combinations. Grants are financial assistance which do not have to be repaid, while loans must be repaid. Since funds are limited, priority for aid is based on financial need and how promptly applications are filed. The various forms of financial aid are listed below. The terms and

conditions are those in effect at the time of publication of this bulletin and are subject to change without notice.

Nonresident Grants. These grants are available to out-of-state students enrolled full-time who exhibit scholastic excellence and demonstrate need. Students must maintain a 3.00 or better grade point average. These awards cover part of non-resident tuition expenses.

Division of Vocational Rehabilitation (DVR). DVR assistance is available to students having some type of disability. Vocational Rehabilitation is a Division of the Wisconsin Department of Health and Social Services. Students should contact their local DVR counselor in addition to filing the Free Application for Federal Student Aid (FAFSA). (See Application for Financial Aid section.)

Federal Perkins Loans. Federal Perkins Loans are available to graduate students who are citizens or permanent residents of the United States. Students must be enrolled at least half-time and demonstrate financial need to be eligible. Students may borrow a total of \$30,000 for undergraduate and graduate study combined. Borrowers must sign a note for the loan which is interest free as long as they are enrolled at least half-time at any eligible institution. Repayment of the principal plus 5% interest per year begins nine months after students leave school or graduate. The repayment period is 10 years.

Federal Stafford Loan (Subsidized). The Federal Stafford Loan enables undergraduate and graduate students enrolled at least half-time to borrow directly from a bank, credit union, savings and loan association, or other participating lender. To be eligible, students must demonstrate financial need. Federal Stafford Loans are guaranteed by a guaranty agency. Great Lakes Higher Education Corporation is the primary guarantor in Wisconsin.

Graduate students are eligible to receive up to \$7,500 per year. There is a \$65,500 cumulative total for undergraduate and graduate study.

Federal Stafford Loans are interest-free until six months after graduation or the time the student leaves school. An insurance fee and an origination fee are assessed at the time the loan is made. Interest rates may vary from year to year and will be determined by the Federal Government. The interest rate cannot exceed 9%.

Federal Stafford Loan (Unsubsidized). To be eligible, students do NOT need to demonstrate financial need. However, students are obligated to pay all interest even while enrolled, which differs from the subsidized loan. The same borrowing limits apply less amounts borrowed under the subsidized program.

Federal Supplemental Loan for Students (SLS). Graduate students enrolled at least half-time may borrow through this program. To be eligible to receive an SLS students do not need

to demonstrate financial need, however, they must file a FAFSA and exhaust all Federal Stafford Loan eligibility. Interest rates may vary from year to year and will be determined by the Federal Government. The interest rate cannot exceed 11%. Origination and guarantee fees apply. Information regarding interest rates, deferments, and repayment terms is available from private lenders. Applications are available from lenders and the Financial Aid Office.

Federal PLUS Loan. The Federal PLUS Loan program enables credit-worthy parents of dependent students and parents of all graduate students to borrow. A Federal PLUS Loan may not exceed the student's estimated cost of attendance minus any estimated financial assistance the student has been or will be awarded during the period of enrollment. Funds are borrowed from private lenders.

An insurance fee and an origination fee are assessed at the time the loan is made. Interest rates may vary from year to year and will be determined by the Federal Government. The interest rate cannot exceed 10%. Information regarding interest rates, deferments, and repayment terms is available from private lenders. Loans are co-payable to the parent and the school. Applications are available from lenders and the Financial Aid Office.

Federal Work-Study Employment. The Federal Work-Study program is a federally funded financial aid program available to citizens or permanent residents of the United States. To be eligible, students must (1) receive a Federal Work-Study allocation as a part of the financial package and (2) be enrolled at least half-time (four graduate credits) or have been accepted for such enrollment. Federal Work-Study employment is on campus, and work schedules are set up around classes. Typical jobs include clerical work; assisting in the library, laboratories, or computer labs; tutoring; and child care assistance. During the summer or other vacation periods when students do not have classes, they may work a maximum of 40 hours per week. In general, the basic pay is the prevailing minimum wage.

Regular Student Payroll. Each year hundreds of on-campus part-time jobs are made available by UW-Whitewater. Jobs (similar to Federal Work-Study positions) in university offices, laboratories, or other facilities can be applied for by any student enrolled on at least a half-time (four graduate credits) basis. These positions are listed via the Cable TV Channel 6 "Student Jobline."

Food Service. The private company with the contract to provide food services to UW-Whitewater hires approximately 225 students each year to work in the dining halls and for its catering service.

Off-Campus Employment. Each year the Financial Aid Office lists many part-time jobs in private homes, businesses, and industries in the Whitewater area. These openings are listed via the Cable TV Channel 6 "Student Jobline." Students on foreign student visas (F-1's) are not eligible for off-campus employment without special permission.

Application for Financial Aid. To apply for financial aid at UW-Whitewater, students must:

1. Complete a Free Application for Federal Student Aid (FAFSA) and submit it to Federal Student Aid Programs by the priority date of April 15. Applications submitted after April 15 may be too late for many aid programs. The FAFSA can be completed after January 1 of the new year once the federal income tax returns for the previous year are completed.
2. Request a Financial Aid Transcript to be sent to UW-Whitewater from every postsecondary school attended whether or not financial aid was received.
3. Be accepted for admission to UW-Whitewater before the application will be considered.
4. Submit your signed Student Aid Report (SAR) to the Financial Aid Office. Financial aid is calculated on the number of credits the student intends to take. Students have the option of accepting all or part of the assistance offered.

Students must reapply annually for all types of financial aid. Students who withdraw the fall semester, but plan to return the spring semester, must submit written notification to the Financial Aid Office so that aid may be reinstated and/or revised. If students fail to notify the Financial Aid Office, their aid will automatically be cancelled. The Financial Aid Office will not accept a request to revise a financial aid package after November 15 for the fall semester or after April 1 for the spring semester. To apply for summer session financial aid, students must complete a Summer Session Application which is available in the Financial Aid Office. No financial aid is available for Intercession.

For more detailed information and applications in regard to any of the programs or policies listed, contact the Financial Aid Office, 2002E Andersen Library, UW-Whitewater, Wisconsin 53190-1790. Phone (414) 472-1130.

Academic Progress. Students are required to comply with UW-Whitewater's Academic Progress requirement in order to maintain their eligibility for financial aid. Full-time graduate students who are enrolled in a degree program may receive federal financial aid for a maximum of six semesters of full-time awards. Half-time students are eligible for a maximum of 10 semesters of half-time awards. Students who receive aid based upon full-time enrollment must complete (with a "C" or better) nine credits each semester and 18 credits each year. Part-time aid recipients should successfully complete four credits each semester and eight credits per year. Failure to meet the above requirements will result in loss of eligibility for all major types of financial aid. Students will receive an academic progress report at the end of each semester from the Registrar's Office. Students who do not meet the requirements may appeal their academic progress status.

Changes Affecting Financial Aid. The student's financial aid package is subject to change based upon assistance received from other sources. This includes private scholarships, fee waivers, Division of Vocational Rehabilitation funds, etc. Students must notify the Financial Aid Office directly of changes which may affect their family's ability to provide financial assistance. These changes may include loss of employment or benefits, a significant decrease in income, separation or divorce, death or disability. Further, any change in the student's address must be reported directly to the Graduate Office.

Financial Aid Refund/Repayment. Financial Aid is awarded to students to cover direct costs charged by UW-Whitewater and other related educational costs. Funds disbursed to students may exceed these costs when a student withdraws or drops classes during a semester or summer session. Fee refunds of financial aid programs will be processed by UW-Whitewater. Federal and state regulations require that a prorated portion of funds awarded to cover non-institutional costs be repaid by the student. Students should refer to the Graduate Timetable of Classes for details regarding financial aid refund/repayment policies. The actual repayment shall be determined by the Financial Aid Office. A student will receive a statement from University Financial Services and repayments will be made to that office. A student remains ineligible for future financial aid disbursements until repayment is made in full.

FACILITIES AND SERVICES

Library and Learning Resources. Library and Learning Resources provides a variety of print and non-print materials to meet the specialized and intensive academic information needs of graduate students and their faculty. Over 1.7 million items are in the library collection, including over 348,000 books, 61,200 bound volumes of periodicals, 292,500 government publications, 1,000,000 microforms, and over 8,000 audiovisual titles. The library subscribes to over 5,000 current periodicals and serials and a variety of electronic databases including a fulltext electronic database of more than 450 journals in business and related fields. In developing these collections, particular attention is paid to the needs of graduate students. The professional staff of Library and Learning Resources work closely with teaching faculty to select, acquire, and provide information resources and to assist students in finding the materials they need.

The Library is open 95.5 hours per week during the fall and spring semesters. Evening and weekend hours of the Library and Learning Resources are particularly helpful to part-time and commuting students. The Library offers a wide variety of services and houses many special collections. For instance, the Library and Learning Resources is a select repository of the federal, state, and international government documents, including publications of various government agencies; census reports; transcripts of hearings by congressional committees; scientific publications of the National Oceanic and Atmospheric Administration, the

National Aeronautic and Space Agency, and the Smithsonian Institute; reports of numerous federal regulatory agencies; and periodicals published by the U.S. Printing Office. It is also a repository of the Defense Mapping Agency. It receives Wisconsin government documents and publications of the United Nations and other international organizations. The Library serves as an Area Research Center of the State Historical Society of Wisconsin to provide local access to the massive holdings of manuscripts, census data, archival materials, and newspapers of the Society.

Instructional Technology Service (ITS), another unit of Library and Learning Resources, supports teaching and learning by providing media equipment for classroom use, video distribution to selected classrooms and satellite programming in several disciplines. Limited classroom video production facilities are also available. ITS also provides the production of graphic and photographic materials for instructional use.

The Learning Materials Center (LMC) provides special collections of textbooks, curriculum guides, educational method books, standardized tests, children's literature, media materials and equipment, and microcomputer hardware and software. Students enrolled in the University may use the LMC facilities to familiarize themselves with current instructional materials and technology.

The Information and Instruction Service (I&I) of the Library provides reference services. Reference librarians help library users find information resources to meet their research and study needs. They also offer both group and individualized instruction in the use of online catalogs and a variety of microcomputer-based information systems for locating subject-specific materials. When the information needs of users cannot be met locally, the required materials may be obtained through inter-library loan.

Library and Learning Resources supports study whether it is conducted on or off the campus. Reference service is available by mail or telephone, call (414) 472-1032. Access to the library's on-line catalog and CD-ROM databases is available by calling (414) 472-5082. Assistance in using the on-line system is available at the Reference Desk or by calling (414) 472-1032. For more information on these or other services to off-campus students, call the Circulation Desk at (414) 472-5511 or the Reference Desk at the number listed above.

Computer Center. The Computer Center provides several services of interest to graduate students. One is the library of application programs including statistical routines for analysis of research project data, both in the batch and time-sharing modes. In the batch mode, both the SAS and SPSS statistical packages are available. For small data sets, similar programs are available in a time-sharing mode.

Both an IBM ES/9000 and a VAX 4000-200 provide interactive and batch support of instructional and research activities as well as access to the INTERNET. These computers, as well as the library computer, are accessible from a wide variety of workstations

located throughout the campus, including every academic building and the residence halls.

The microcomputer laboratories located in McGraw Hall provide access to word processing, spreadsheets, integrated software, and a variety of programming languages on a network of IBM compatible and Macintosh microcomputers.

A professional academic computing staff and student consultants are available for programming and technical assistance to users. Services are available for those who need help in developing instructional or research materials, instruction on the operation of computing equipment, or help in interpreting documentation and output.

There is no charge for the use of the computing resources if the activity is directly related to a course of study. Information about any of these services can be obtained by calling the Computer Center at (414)472-1325.

Observatory. Whitewater Observatory is a teaching and research facility. Contained in the observatory dome is a 16 inch Cassegrain reflecting telescope. The facility includes a general-purpose room in which evening observing sessions, public lectures, and supervised student research take place, and a darkroom equipped for film development and print-making by students registered in astronomy classes. While the observatory dome is maintained at an outside temperature, both the general-purpose room and photo lab are actively heated in winter and cooled in summer. Immediately outside of the observatory is a viewing area for constellation studies and for instruction in the use of small, portable telescopes. The observatory is used by astronomy classes for both daytime and nighttime activities, for lectures to the general public on alternate Friday evenings during semesters, and for tours for school groups.

Media Based Education. The Educational Teleconference Network (ETN) of UW-Extension provides a system of two-way communication for credit and non-credit courses, available at approximately 185 listening stations in Wisconsin. An ETN listening station is located in Roseman Building on the UW-Whitewater campus. In addition, each county in the State has two or three listening stations within a convenient distance from a student's home. A wide variety of professions accept ETN programs for certification or recertification requirements.

The Teleconference Times, a semester schedule of ETN offerings, describes noncredit and credit courses, and is available by contacting Continuing Education Services, Roseman 2005. Phone (414) 472-3165.

Licensure. Issues related to teacher licensure are handled by the Director of Licensure. Graduate students who seek a teaching license should be certain that their proposed programs meet all of UW-Whitewater's approved program standards before embarking on a program of study. This is true in both the case of initial licensure and additions to existing licenses. In order to ascertain

current licensure requirements, students should direct their questions to the Director of Licensure, 2033 Winther Hall. Phone (414) 472-1184.

Career Services. The services of the Office of Career Services are available to graduate students as the need may arise. Many students take advantage of these services as they explore career fields, develop career plans, prepare themselves for the job search, and actually search for employment. The services include a library of career information, assistance in establishing a credential file, employment counseling and interview opportunities, job listings, and an employer referral system for the benefit of registrants. For more information, contact Career Services, Andersen 2002. Phone (414) 472-1471.

Residence Life. The University provides residence hall accommodations for approximately 4,000 students in 14 residence halls. In addition, many property owners in the city provide housing facilities for students. On campus, a variety of residence hall living accommodations is available including coeducational by hall, wing or floor; all female; upperclass; smoke-free; academic focus; and "healthy lifestyle" options. In addition, single rooms, double rooms, triple rooms, and suites are available. There is no University-operated housing for married students; however, most married students are able to find apartments, mobile homes, or rental houses in Whitewater or neighboring communities. For further information regarding on-campus housing, contact the Residence Life Office in Goodhue Hall, Suite 200 or call at 414-472-4255.

Parking. All persons who use unmetered University parking facilities must display a valid parking permit issued by Parking Services. To accommodate the parking needs of on-campus resident students, commuting students, faculty, and staff, some parking facilities are restricted. Observe restrictions posted at the entrance to each parking facility.

A parking permit may be purchased at the Parking Services Office located in Goodhue Hall, first floor. It is not necessary to have a permit on a vehicle which is parked at a meter; however, it is necessary to pay the meter even if the vehicle has a permit. Vehicles parked in violation of University regulations will be ticketed. Further information can be obtained by calling Parking Services at (414) 472-1011.

University Police. The University of Wisconsin-Whitewater Campus Police Department is a full service law enforcement agency providing 24 hour police protection and services to the campus community. The department is staffed by ten sworn officers, two part-time sworn officers and nine non-sworn employees.

Part of the mission of the UW-Whitewater Police Department is to provide protection of life and property to all persons within the boundaries of the university, to uphold the rights guaranteed under the United States and Wisconsin Constitutions, and to enforce state laws, codes and UW System regulations in a fair and

just manner. The department works toward this goal by conducting investigations into alleged criminal activity, the implementation and presentation of crime prevention programs, development of new and innovative policing programs and of course effecting arrests.

In the event you should require the services of the University of Wisconsin-Whitewater Police Department, they can be contacted 24 hours a day, seven days a week, on the first floor Goodhue Hall, located at 734 Starin Road, or by phoning 472-4660. Whether you are the victim of a crime, an injured person, a witness to an incident, or just someone who doesn't know where else to turn, the UW-Whitewater Police stand ready to provide you with the necessary assistance.

University Health and Counseling Services (Boenda O'Beirne, Executive Director, Ambrose Health Center, Health Services, 472-1300, Counseling Services 472-1305) The University Health and Counseling Services (UHCS) provides comprehensive services and referrals for multiple concerns related to students' physical and mental health. Services are available to all currently registered UW-W students from 8:00 a.m. until 4:30 p.m. Monday through Friday during the fall and spring semesters; hours vary during summer session and break periods. A 24-hour Crisis Line, phone 472-5770, is available for all students. UHCS staff are committed to quality service and health education with services, programs and consultations provided in many different settings (individually and with groups).

Specifically, health services include: consultation and treatment by physicians, nurse practitioners, and nurse clinicians for illnesses and injuries. Many laboratory tests (including cholesterol screen and HIV testing) and some medications are provided. Programs include weight control counseling, smoking cessation, nutrition counseling for students with eating disorders and borderline cholesterol levels, allergy shots, cold self-care, contraceptive services, diagnosis and treatment of sexually transmitted diseases through regular Personal Reproductive Care (PRC) clinics, and assistance in coordination of health care for students with chronic illnesses and/or physical disabilities. UHCS does not provide eye examinations, dental care, or consultation with specialists. Assistance with referrals to outside sources of care is provided, if needed. Charges are made for some services and supplies within the Health Services, and all outside services are the financial responsibility of the student. A number of outreach programs is offered by staff and peer educators, and again focus on the individual's rights and responsibilities with personal health care issues.

Health insurance is recommended; a policy is endorsed by the university and information is available from UHCS (Health Services). Hospital care is available when needed in nearby communities. Transportation can be arranged to Fort Atkinson, Janesville or Elkhorn for medical consultation/urgent care both day and night; call UHCS (1300 or 1305) or University Police (4660). In the case of emergencies, the City of Whitewater Rescue

Squad should be contacted by calling 911 off-campus or 9-911 on-campus.

Specifically, counseling services include: individual and group counseling (primarily short-term) for UW-W students dealing with a number of personal issues. In addition, consultation is available to faculty, staff and students. Significant outreach efforts are made with the campus and the community. The primary focus is on prevention and education in these outreach programs.

The services are staffed by professional psychologists and counselors, as well as supervised counselors-in-training. If immediate or direct services are not available here, assistance is offered with appropriate referrals. This is especially important when there is a need for a psychiatric evaluation and/or follow-up since there is not a psychiatrist on the UHCS staff. Students with ANY personal concerns (adjustment to college, relationship issues, stress management, self-esteem, roommate problems, eating disorders, sexuality issues, or just to feel better about life) should be encouraged to ask for help at UHCS. ALL SERVICES OF UHCS ARE CONFIDENTIAL.

Disabled Student Services. (Roseman 1004, 472-4711 [TDD]) UW-Whitewater has had a program to provide services for students with disabilities since the 1970-71 school year. In 1973, the Board of Regents of the University of Wisconsin System gave UW-Whitewater a special mission to provide services to students with disabilities. As a result, the UW-Whitewater campus is one of the most accessible campuses in the nation. Nearly \$5 million has already been expended to make programs and facilities accessible. In addition, professional staff members in Disabled Student Services and other Student Affairs Offices are available to provide a wide variety of services to meet both ordinary and unique needs of students with disabilities. The primary goal is to integrate disabled students into existing programs to the maximum extent possible. Specialized services are provided to meet unique needs.

Services include, but are not limited to:

- A) Specialized pre-enrollment interview, evaluation and orientation.
- B) Transportation to and from class and activities on and off campus (Available for a weekly charge).
- C) Specialized recreation and athletics including wheelchair football, basketball, softball, soccer and wheelchair track and field.
- D) Assistive Technology Center
- E) Counseling for personal, social, vocational, academic and critical intervention needs.

- F) Assistance with attendant recruitment and training.
- G) Physical therapy emphasizing functional training and activities of daily living.
- H) Liaison with funding and sponsoring agencies.
- I) Enhanced work experience, career planning and placement service.
- J) Independent living skills training.

Non-Discrimination on the Basis of Disability Section 504 of the Rehabilitation Act of 1973, as amended provides that "No qualified individual with a disability shall, on the basis of disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity which receives or benefits from Federal financial assistance."

The Americans with Disabilities Act (ADA) states "No qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of a public entity, or be subjected to discrimination by any public entity."

Any applicant or student who believes that they may have been subjected to discrimination on the basis of disability in any campus program, activity or service should contact: John D. Truesdale, Compliance Coordinator, Section 504 and ADA Regulations (non-employment), 1004 Roseman Hall, (414) 472-4711.

Students For An Accessible Society (S.A.S.) Roseman 1004 This is an organization open to ALL interested people. The organization was originally formed to meet the special needs of disabled students on campus, i.e., building modification and transportation. With the increased accessibility of the campus, S.A.S. is gearing itself more towards political, social and economic concerns of disabled individuals. Its goal is to work not only on removing architectural barriers, but also on removing attitudinal barriers created by society's stereotypes.

For further information on S.A.S., or for information concerning other areas (i.e. transportation, housing, aides, physical therapy), students may contact Disabled Student Services at 472-4711.

Women's Center. The Whitewater Women's Center is located in Salisbury Hall and is open during fall and spring semesters. It is a safe place for all women on campus to receive help, support, information, referrals and advocacy, ranging from issues of sexual assault to support groups for victims of abuse.

The Center is a place where women can work together toward dissolving barriers, rules and attitudes which deny women education, earning power, choices about their own lives or the

right to stand with pride as women. This is done through educational programs, support groups and advocacy efforts.

Referrals utilize agencies both on and off campus that can best provide assistance to those in need. The Center also has a resource library on women's issues.

International Student Programs. The Office of International Student Programs provides individual and group counseling services and orientation, and assists international students with personal, academic, and financial problems as well as problems with housing, food, or immigration. The office also serves as a liaison with the academic and administrative areas of the University and coordinates cultural and social programs that bring together foreign and domestic cultures. Included are the International Dinner, Heritage Fair, UN Day, Host Family Program, and International week.

Children's Center. The University offers high quality preschool and school-age programs for children (ages 2-6 years during spring and fall semesters and 2-12 years during summer sessions) of students, faculty, and staff. Part-time and full-time schedules are available to suit parents' class, work, and study times on and off-campus. The Children's Center also serves as a teacher training site and is state licensed and nationally accredited. The Center is open Monday through Friday 7:30 am - 5:00 pm during the spring and fall semesters and Monday through Thursday 7:00 am - 1:30 pm during the summer sessions. For information regarding curriculum, registration, and fees contact Robin Fox, Director, University Children's Center, Roseman Building 1035, UW-Whitewater. Phone (414) 472-1768.

Multicultural Center. The Multicultural Education Center, located on the main floor of the University Center, exists to educate and enhance groups and individuals about multiple perspectives and to foster a greater appreciation of individual differences. The Center achieves this goal by offering programs, workshops, ethnic meals, films, discussions and displays. Stop by the Center to browse and visit or attend one of its many programs. For more information about the Center, contact the Campus Activities and Programs Office, 472-3191.

General Recreation. Sports facilities are open evenings and weekends for unorganized recreational use. Indoor facilities are available for such activities as basketball, volleyball, badminton, weight lifting and swimming. Outdoor areas and facilities are also available for such activities as softball, football, tennis, sandpit volleyball, and basketball. A walking/jogging trail is located near Warhawk Stadium for recreational use. Equipment checkout is available for these activities with a valid University I.D. Facility reservations are also available for any of the indoor or outdoor facilities, as well as the Lawcon picnic shelter near Wells Hall. A nominal weight room membership fee is required, and can be purchased through the Office of Recreation Sports and Facilities, Room 142 Williams Center. Call 472-1544 for farther information.

Intramural Sports. An extensive program of intramural sports is available for male and female students, faculty or staff. Tournament and leagues are conducted throughout the year in various activities such as flag football, volleyball, basketball, floor hockey, softball, tennis, sandpit volleyball and inner tube water polo. Entry forms for these activities are available in the Intramural Office, Room 142 Williams Center. Contact 472-1145 for further information.

Sports Clubs. A more in-depth sports experience than the intramural and/or general recreation program, it blends aspects of learning new skills, practicing with fellow participants and competing against clubs from other campuses. Active clubs include ice hockey, men's volleyball, lacrosse, tactics, bowling, rugby, billiards, karate, hobbits outdoor, martial arts and skiing. Contact the Club Sports Office, Room 142 Williams Center, 472-1145, for further information.

Religious Groups. The following religious organizations are represented on campus: Campus Crusade for Christ; Inter-Varsity Christian Fellowship; Catholic Student Association (Roman Catholic); Lutheran Student Association, Christians In Action, Fellowship of Christian Athletes and WELS Lutheran Campus Ministry. Local churches or off-campus houses maintained by religious organizations provide the facility for religious and social programs. Some meetings are held in University facilities.

Cultural Affairs. UW-Whitewater students have the opportunity to see performances by nationally and internationally renowned theatre, dance, and music groups brought to campus by Cultural Affairs. This student/faculty committee plans both the Performing Arts Series and Lively Arts Series to enrich campus life with live cultural entertainment. Both series bring professional performing groups to Whitewater's stages. Tickets to all Cultural Affairs events are offered to students at greatly discounted prices. Not only do students have the opportunity to attend these performances, but they may also work with the artists in classes or meet them informally on campus.

Irvin L. Young Auditorium. The unique design of the Irvin L. Young Auditorium features a graciously appointed auditorium chamber with approximately 1,300 seats, depending on configuration pattern and number of wheelchair seats utilized. Through lighting options and architectural arrangements, the auditorium can also achieve the feeling of warmth and comfortable intimacy of a much smaller space. The clean lines and uncluttered space of the chamber create an unpretentious performing environment, utilizing an economy of line that leaves visitors with a sense of simple elegance. The 46' proscenium opening reveals 4,000 sq. ft. of stage in this state-of-the-art facility.

One of the many striking areas is the balcony/terrace which offers unparalleled charm guaranteed to enhance any event it houses. The facility's multi-purpose room offers flexibility with its sprung hardwood floor. Conferences will find the room appealing for groups of up to 150 or as a space for small groups to meet before

returning to the auditorium for larger sessions. Both the balcony/terrace and the multi-purpose room can serve dual purposes as support spaces to compliment auditorium functions or as versatile stand-alone meeting, rehearsal, or reception rooms.

University Theatre. Annually the Department of Theatre and Dance produces seven major shows, a children's play for tour, experimental and one-act plays, and a dance production. These activities provide rich opportunities for students to see a wide range of productions.

Music Activities. The Department of Music sponsors a wide variety of performing groups including Concert Choir, University Chorus, UW-Whitewater Repertory Singers, Swing Choir, Symphonic Band, Marching Band, Concert Band, the Jazz Laboratory Bands, Percussion Ensemble, Flute Choir, Clarinet Choir, Saxophone Choir, Early Music Ensemble, Brass Choir, and other smaller ensembles. These groups as well as all others sponsored by the department, are open by audition to all university students. If students enjoy singing or playing a musical instrument, they will appreciate the opportunity to share in the musicianship of these groups. Contact the Music Department office for additional information. If students enjoy music, they will not want to miss the many interesting and exciting concerts given by the campus groups and by the faculty artists. These concerts are free to students and provide a rich and memorable break in weekly routines.

Art Exhibitions. The University's art gallery is a showcase for the campus. The Crossman Gallery focuses on aesthetic research and teaching, fulfilling President John Bascom's "Wisconsin Idea" serving all areas of the state. Further, the gallery is an intellectual center of excellence in the northern midwest. Shows of popular student appeal, as well as exhibits of statewide and midwest significance, draw favorable media review. Some of the most experimental and pioneering work is by art majors and graduate students from the UW System and other universities throughout the country. Art faculty from throughout the UW System exhibit on a regular basis. There is at least one international exhibit each year.

D

EGREE PROGRAMS



Section II Degree Programs

ACCOUNTING

The Master of Science (M.S.) in Accounting degree program is designed primarily as a first professional degree for candidates with a non-business undergraduate background. Individuals with baccalaureate degrees in the arts, humanities, sciences, engineering, education, or business from accredited schools are encouraged to apply. Candidates with an accounting major or equivalent undergraduate background may consider either the M.B.A. program, or, if a greater degree of specialization is desired, the M.S. program. Programs for completion of the M.S. degree are designed to fit the individual needs of the student and satisfy the academic requirements to write the Certified Public Accountant examination. The M.S.-Accounting program is accredited by the American Assembly of Collegiate Schools of Business.

Program Coordinator:

Dr. Roy Weatherwax
Carlson 5019 Phone (414)472-1344

Additional Admission Requirements:

1. Completion of the Graduate Management Admission Test (GMAT).
2. A composite score of at least 1000 based upon the formula: $(\text{GMAT score}) + [200 \times (\text{overall undergraduate grade point average})]$, or a composite score of at least 1050 based upon the formula: $(\text{GMAT score}) + [200 \times (\text{upper division undergraduate grade point average})]$.
3. A TOEFL score of at least 550 or the equivalent on another exam for students from countries where English is not the native language.

Due to increasing enrollments, admission may be limited despite fulfillment of the aforementioned entrance requirements.

Additional Program Policies:

Same as Business Administration (M.B.A.) program.

Degree Requirements:

ACCOUNTING (M.S.)

COMMON BODY OF KNOWLEDGE - 0-33 CREDITS

1. REQUIRED IF NOT TAKEN AS UNDERGRAD:

- 210-701 ACCOUNTING FOUNDATIONS
- 230-703 STATISTICS
- 230-704 ECONOMIC FOUNDATIONS
- 240-341 BUSINESS & COMMERCIAL LAW
- 240-342 ADVANCED BUS. & COMMERCIAL LAW
- 240-718 FINANCIAL MANAGEMENT
- 250-705 INFORMATION SYSTEM FOUNDATIONS
- 250-719 OPERATIONS MANAGEMENT
- 250-720 ORGANIZATION THEORY & POLICY
- 260-702 MATHEMATICS FOUNDATIONS
- 260-716 MARKETING

ACCOUNTING-COURSE REQUIREMENTS - 27 CREDITS

1. 210-541 INTERMEDIATE ACCOUNTING I
2. 210-543 INTERMEDIATE ACCOUNTING II
3. 210-651 INCOME TAX ACCOUNTING
4. 210-726 MANAGEMENT COST ACCOUNTING
5. 210-751 FINANCIAL ACCOUNTING
6. 210-752 ADVANCED FINANCIAL ACCOUNTING
7. 210-755 MANAGERIAL ACCOUNT & CONTROLLERSHIP
8. 210-761 ACCOUNTING & MANAG. INFO SYSTEMS
9. 210-765 ADVANCED AUDITING

ADDITIONAL COURSE REQUIREMENTS - 9 CREDITS

1. SELECT 9 CREDITS FROM COURSES:
 - 210-756 CORPORATE & SPECIAL ENTITIES TAX
 - 210-781 ADVANCED ACCOUNTING THEORY I
 - 250-788 BUSINESS POLICY & ENVIRONMENT
NOTE: MUST BE TAKEN IN LAST SEMESTER
(OR LAST 12 CR FOR OUTREACH STUDENTS)
 - 260-731 ADVANCED STATISTICAL METHODS
 - 260-732 OPERATIONS RESEARCH

Additional Degree Requirements:

1. Students who have completed any of the courses, listed above in the Common Body of Knowledge or Accounting course requirements, before entering the M.S.-Accounting program may substitute electives to constitute a 36-credit program. 210-725 Profit Planning and Control is recommended.
2. At least 16 credits of course work above the 730 level. 250-788 Business Policy and Environment is not counted in the 16 credits.
3. No more than two accounting courses with a grade of C.

Outreach Program:

Courses leading to the M.S.-Accounting degree are offered off campus in the evening at the UW Centers in Waukesha and Janesville, as well as at the Whitewater campus. The Business Outreach program, as it is called, is designed to assist primarily the working adult or those unable to attend classes on a full-time basis during the day. Admission and degree requirements are the same as for those in the full-time program although special counseling is utilized. For further information, contact Dr. Harish Batra, Carlson 4033. Phone (414)472-1945.

BUSINESS ADMINISTRATION

The Master of Business Administration (M.B.A.) degree program provides individuals with advanced academic work in the functional aspects of public and private organizations. This professional degree program provides the individual with general competencies for overall management and allows a degree of specialization in an area of particular interest to the candidate. Emphases include:

- Accounting
- Business Education
- Decision Support Systems
- Finance
- International Business
- Management
- Managerial Economics
- Marketing
- Production Management

Individuals with baccalaureate degrees in arts, humanities, sciences, engineering, education, or business from accredited schools are encouraged to apply. The M.B.A. program is accredited by the American Assembly of Collegiate Schools of Business.

Program Coordinator:

Dr. Harish Batra
Carlson 4033 Phone (414)472-1945

Additional Admission Requirements:

1. Completion of the Graduate Management Admission Test (GMAT).
2. A composite score of at least 1000 based upon the formula: $(\text{GMAT score}) + [200 \times (\text{overall undergraduate grade point average})]$, or as composite score of at least 1050 based upon the formula: $(\text{GMAT score}) + [200 \times (\text{upper division undergraduate grade point average})]$.

3. A TOEFL score of at least 550 or the equivalent on another exam for students from countries where English is not the native language.

Due to increasing enrollments, admission may be limited despite fulfillment of the aforementioned entrance requirements.

Additional Program Policies:

1. In order to enroll in 700 level courses offered in the College of Business and Economics (except Business Education and School Business Management), a student must be admitted to the M.B.A., M.S.-Accounting, or M.S.-Office Systems program. M.E.P.D. students must have prior permission from the Coordinator of the M.E.P.D. program.
2. Candidates must obtain approval from their adviser before enrolling in courses. Courses taken without the approval of the adviser may not apply toward completion of the program. Prior to entering the program or during the first four weeks of the semester, candidates shall prepare a program in consultation with their adviser. This program must then be submitted to the program coordinator for approval. Any changes (including add/drop) to the program must have the written approval of the Coordinator. All changes are initiated by students through their adviser.
3. Individual Studies (XXX-798) and/or Readings and Research (XXX-789) may not be used as electives but may be used to satisfy up to 3 credits in the Emphasis. A copy of the proposal must be on file in the Coordinator's Office prior to registration. The student should initiate these requests with the instructor.
4. Courses in the Common Body of Knowledge must be taken at the beginning of the program. Program and course prerequisites will be rigidly enforced. Failure to comply will result in the student being dropped from the course.
5. Students who are dropped from the program for academic reasons or who fail to meet the admission requirements are not eligible to pursue further graduate business courses in the M.B.A., M.S.-Accounting, or M.S.-Office Systems programs in the College of Business and Economics.
6. The maximum course load is 12 graduate credits during fall and spring semesters and 6 credits during the summer term.
7. Business related course work taken in an applicant's undergraduate program where the applicant has graduated more than five years prior to the date of admission to the Graduate School may not be considered as satisfactory in meeting Common Body of Knowledge requirements.
8. Candidates who have not enrolled in a graduate course at UW-Whitewater within two consecutive semesters must conform to any new requirements in the program at the time they are reactivated.

9. Within the confines of the Constitution of the Graduate Faculty and the policies and procedures adopted by the Graduate Council, the Graduate Studies Committee in the College of Business and Economics is the final governing authority on all policy and procedural matters in the graduate business program.

Degree Requirements:

1. A minimum of 36 graduate credits which may include a thesis of up to 6 credits.
2. An adequate preparation in the Common Body of Knowledge as defined by the American Assembly of Collegiate Schools of Business. Additional graduate courses will be required of those individuals not having a sufficient preparation. (Normally a program of study for those without prior business preparation would require two full years to complete.)
3. At least 24 credits from the breadth and emphasis areas must be numbered above 730 and be beyond the Common Body of Knowledge. 250-788 Business Policy and Environment is not counted in the 24 credits.
4. A grade point average of at least 3.00 in emphasis courses, in courses prescribed for the program, and over all graduate work undertaken. Grades earned outside the program cannot be used to adjust the program grade point average.

BUSINESS ADMINISTRATION (M.B.A.)

COMMON BODY OF KNOWLEDGE - 0-33 CREDITS

1. CONSULT ASSOCIATE DEAN FOR CREDITS FROM:

ACTG	210-701	ACCOUNTING FOUNDATIONS AND
	210-725	PROFIT PLANNING AND CONTROL OR
	210-726	MANAGERIAL ACCOUNTING
ECON	230-703	STATISTICS FOUNDATIONS
	230-704	ECONOMICS FOUNDATIONS
FINC	240-718	FINANCIAL MANAGEMENT
	240-721	LEGAL ENVIRONMENT OF BUSINESS
MGNT	250-705	INFORMATION SYSTEM FOUNDATIONS
	250-719	OPERATIONS MANAGEMENT
	250-720	ORGANIZATION THEORY & POLICY
MKTG	260-702	MATHEMATICS FOUNDATIONS
	260-716	MARKETING

BREADTH REQUIREMENT - 18-27 CREDITS

1. 220-738 SEMINAR IN BUSINESS COMMUNICATION
2. 230-736 BUSINESS CONDITIONS ANALYSIS OR 230-737 MANAGERIAL ECONOMICS
3. 250-741 MANAGERIAL & ORGANIZATIONAL BEHAVIOR (STUDENT MUST HAVE COMPLETED 9 OR MORE GRADUATE CREDITS BEFORE TAKING 250-741)
4. 250-788 BUSINESS POLICY & ENVIRONMENT (MUST BE TAKEN IN THE LAST SEMESTER OF THE PROGRAM OR IN THE LAST 12 CREDITS)
5. 260-731 ADVANCED STATISTICAL METHODS OR

260-732 OPERATIONS RESEARCH (EMPHASIS AREAS OF DECISION SUPPORT SYSTEMS, FINANCE, MANAGERIAL ECONOMICS, AND PRODUCTION MANAGEMENT REQUIRE BOTH 260-731 AND 260-732 THE MARKETING EMPHASIS REQUIRES 260-731 AND 260-733.)

6. SELECT 3-12 ELECTIVE CREDITS WITH ADVISER FROM BUSINESS COURSES OUTSIDE THE EMPHASIS AND NUMBERED 730 OR ABOVE WITH NO MORE THAN 2 COURSES FROM THE SAME AREA

(Upon recommendation of a student's adviser and with approval of the M.B.A. Coordinator, up to six credits of courses clearly complementing the student's program may be selected from courses numbered 700 or above outside the College of Business and Economics or from courses numbered 600 or above from within the College.)

EMPHASIS - 9 CREDITS

ONE OF THE FOLLOWING EMPHASIS:

A. ACCOUNTING EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:

210-751	FINANCIAL ACCOUNTING
210-752	ADVANCED FINANCIAL ACCOUNTING
210-755	MANAGERIAL ACTG & CONTROLSHIP
210-756	CORPORATE & SPEC ENTITIES TAXATION
210-761	ACCOUNT & MANAG INFO SYSTEMS
210-765	ADVANCED AUDITING
210-781	ADVANCED ACCOUNTING THEORY I

B. BUSINESS EDUCATION EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:

220-751	IMPROV OF INST IN SKILL SUBJ
220-752	IMPROV OF INST IN ACCOUNTING
220-754	IMPROV OF INST IN BUS COMMUNIC
220-755	IMPROV OF INST INTEG BUS SYST
220-756	IMPROV OF INST MARKETING ED
220-758	TRENDS IN BUS ED
220-762	CURRENT PROBLEMS IN BUS ED
220-764	ADMIN & SUPERV - BUS ED
220-765	OCC INFO & VOC GUIDANCE
220-767	OFFICE COMMUNICATION
220-772	OFFICE AUTOMATION TECH
220-773	HUMAN FACTORS IN OFFICE AUTO
220-775	BUSINESS TELECOMMUNICATIONS
220-778	SEMINAR IN OFFICE MANAGEMENT
220-779	OFFICE SYSTEMS: CASE STUDIES

C. DECISION SUPPORT SYSTEMS EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:

250-742	DECISION SUPPORT SYSTEMS
250-743	DATA BASE MANAGEMENT
250-754	EXPERT SYSTEMS IN BUSINESS
250-784	SIMULATION MANAG DECISION MAKING

D. FINANCE EMPHASIS

1. 240-780 PORTFOLIO THEORY AND PRACTICE
2. SELECT 6 CREDITS FROM THE FOLLOWING COURSES:
240-750 REAL ESTATE FINANCE & INVESTMENT
240-755 MULTINATIONAL BUSINESS FINANCE
240-760 FINANCIAL MARKETS
240-770 CAPITAL BUDGETING

E. INTERNATIONAL BUSINESS EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:
230-758 ADVANCED INTERNATIONAL ECONOMICS
240-755 MULTINATIONAL BUSINESS FINANCE
250-777 INTERNATIONAL MANAGEMENT
260-761 INTERNATIONAL BUS. (MARKETING)

F. MANAGEMENT EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:
250-751 MANAGEMENT OF HUMAN RESOURCES I
250-752 MANAGEMENT OF HUMAN RESOURCES II
250-758 CONFLICT RESOLUTION-LABOR RELATIONS
250-770 ORGANIZATIONAL DESIGN
250-771 STRATEGIC MANAGEMENT & PLANNING
250-777 INTERNATIONAL MANAGEMENT

G. MANAGERIAL ECONOMICS EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:
230-736 BUSINESS CONDITIONS ANALYSIS
230-737 MANAGERIAL ECONOMICS
230-751 ECONOMICS OF REGULATION
230-758 ADVANCED INTERNATIONAL ECONOMICS
250-761 BUSINESS & ECONOMIC FORECASTING
250-767 ADVANCED MANAGERIAL ECONOMICS

H. MARKETING EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:
260-735 APPL. MULTIVARIATE DATA ANALYSIS
260-751 BUYER BEHAVIOR
260-760 SEMINAR IN MARKETING THEORY
260-761 INTERNATIONAL BUS. (MARKETING)
260-764 SALES PLAN & MARKET ANALYSIS
260-770 PRODUCT AND PRICE MANAGEMENT
260-774 CORPORATE MARKETING PLANNING
260-780 SEMINAR CURRENT MARKET TOPICS

I. PRODUCTION MANAGEMENT EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:
250-761 OPERATIONS PLANNING & CONTROL
250-762 INVENTORY SYSTEMS
250-768 MANUFACTURING POLICY
250-769 MANUFACTURING SEMINAR
250-784 SIM IN MANAGERIAL DECISION MAKING

(Upon recommendation of the student's adviser and with approval of the M.B.A. Coordinator, a thesis of up to 6 credits may be included in the 9 credit emphasis.)

Outreach Program:

Courses leading to the M.B.A. are offered off campus in the evening at the UW Center in Waukesha and Janesville, as well as at the Whitewater campus. The program, known as Business Outreach, is designed to assist primarily the working adult or those unable to attend classes on a full-time basis during the day. Admission and degree requirements are the same as those in the full-time program although special counseling is utilized. For further information contact Dr. Harish Batra, Carlson 4033. Phone (414)472-1945.

BUSINESS EDUCATION

The Master of Science (M.S.) degree in Business Education is offered with or without Wisconsin teaching licensure. There are three emphases available:

General—for those individuals who have already earned licensure. The program builds on the undergraduate course work and teaching experience.

Secondary—for those individuals who possess an undergraduate degree and are seeking licensure to teach at the grade levels 6-12.

Postsecondary—for those individuals who plan to teach or are teaching at the postsecondary level to work toward their Vocational, Technical, Adult, Education (VTAE) certificate.

All programs include course work that reflects what is needed by teachers who want to possess the latest in teaching methodology and technical knowledge.

Program Coordinator:

Dr. Marcia L. James
Carlson 4018 Phone (414)472-1322

Additional Admission Requirements:

General Emphasis: An undergraduate major in business education and a license to teach business education at the secondary or post-secondary level.

Secondary Emphasis: Approval of the Director of Field Experiences based upon an interview. (Winter 2039, phone (414)472-1123.) Applicants who are unable to come to campus for the interview prior to admission may be granted provisional admission pending a successful interview.

Requirements:

Thirty credits of graduate course work and one of the following: (1) a thesis and oral defense, (2) a comprehensive examination, or (3) an additional 6 credits of courses numbered 220-XXX. Specific course requirements are given below. At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher. For the thesis option, 1-3 credits of Thesis Research may be included within the 30 credits; however, the number of credits must be determined in advance of registration through consultation with a thesis committee. The 36 credit option is open only to students who have not started a thesis or failed the comprehensive examination. In addition to meeting the aforementioned requirements, candidates electing the secondary emphasis must complete and meet all the requirements for licensure to teach business education at the secondary level. Candidates electing the post-secondary emphasis should contact the program coordinator for licensure requirements.

BUSINESS EDUCATION (M.S.)**REQUIRED CORE - 8 CREDITS**

1. 220-660 PRINCIPLES OF VOCATIONAL EDUCATION
2. 220-762 CURRENT PROBLEMS IN BUSINESS EDUCATION
3. 424-740 TECHNIQUES OF RESEARCH

EMPHASIS - 22-28 CREDITS**ONE OF THE FOLLOWING EMPHASES:****A. GENERAL EMPHASIS**

1. 220-661 ORGANIZATION & ADMINISTRATION OF VOCATIONAL PROGRAMS
2. 220-662 COORDINATION TECHNIQUES
3. 220-765 OCCUPATIONAL INFORMATION & VOCATIONAL GUIDANCE
4. 220-751 IMPROVEMENT OF INSTRUCTION IN SKILL SUBJECTS OR
220-752 IMPROVEMENT OF INSTRUCTION IN ACCOUNTING AND BASIC BUS ED OR
220-754 IMPROVEMENT OF INSTRUCTION IN BUSINESS COMMUNICATION OR
220-755 IMPROVEMENT OF INSTRUCTION IN INTEGRATED BUSINESS SYSTEMS OR
220-756 IMPROVEMENT OF INSTRUCTION IN MARKETING EDUCATION
5. SELECT 6-12 CREDITS FROM DEPT OF BUSINESS EDUCATION
6. SELECT 0-6 CREDITS FROM COLLEGE OF ARTS, COLLEGE OF LETTERS AND SCIENCES, AND/OR DEPT OF ECONOMICS
7. SELECT 3-9 CREDITS FROM COLLEGE OF EDUCATION

B. POST-SECONDARY EMPHASIS

1. 220-765 OCCUPATIONAL INFORMATION & VOCATIONAL GUIDANCE
2. 220-751 IMPROVEMENT OF INSTRUCTION IN SKILL SUBJECTS OR

- 220-752 IMPROVEMENT OF INSTRUCTION IN ACCOUNTING AND BASIC BUSINESS EDUCATION OR
- 220-754 IMPROVEMENT OF INSTRUCTION IN BUSINESS COMMUNICATION OR
- 220-755 IMPROVEMENT OF INSTRUCTION IN INTEGRATED BUSINESS SYSTEMS OR
- 220-756 IMPROVEMENT OF INSTRUCTION IN MARKETING EDUCATION
3. 420-710 EDUCATION IN A PLURALISTIC SOCIETY
4. 423-681 HUMAN ABILITIES & LEARNING
5. 424-621 EDUCATIONAL MEASUREMENT, RESEARCH & EVALUATION
6. SELECT 7-13 CREDITS FROM DEPT OF BUSINESS EDUCATION

C. SECONDARY EMPHASIS

1. 220-661 ORGANIZATION & ADMINISTRATION OF VOCATIONAL PROGRAMS
2. 220-662 COORDINATION TECHNIQUES
3. 420-710 EDUCATION IN A PLURALISTIC SOCIETY
4. 423-678 ADOLESCENT DEVELOPMENT OR
423-681 HUMAN ABILITIES AND LEARNING
5. 424-625 MEASUREMENT & EVALUATION IN THE SECONDARY SCHOOL
6. 432-768 DEVELOPMENTAL READING IN THE SECONDARY SCHOOL
7. SELECT 6-12 CREDITS IN CONSULTATION WITH ADVISER
8. IN ADDITION TO THE AFOREMENTIONED REQUIREMENTS, CANDIDATES ELECTING THE SECONDARY EMPHASIS MUST MEET ALL REQUIREMENTS FOR LICENSURE TO TEACH BUSINESS EDUCATION AT THE SECONDARY LEVEL. STUDENTS SHOULD CONSULT DIRECTOR OF LICENSURE AND ADVISER FOR CURRENT LICENSURE REQUIREMENTS.

COMMUNICATION

The Master of Science (M.S.) degree is offered in Communication with emphases in:

Communicative Disorders
Mass Communication
Speech Communication

The three emphases provide graduate study for (1) persons not licensed to teach, who have professional goals in business, private and/or clinical practice, mass media, or other noneducational areas; (2) persons licensed to teach who want more background in their specialty; and (3) persons with a liberal arts degree who are seeking a license to teach. However, admission and degree requirements vary from one emphasis to another. The program in communicative disorders is accredited by the American Speech-Language-Hearing Association.

Communicative Disorders Emphasis

Program Coordinator:

Dr. Roxanne De Paul
Roseman 1018 Phone (414)472-5203

Additional Admission Requirements:

An undergraduate major in communicative disorders. Applicants not meeting this requirement must supplement their academic preparation until it is comparable to an undergraduate major prior to admission to the program.

Degree Requirements:

Forty-five credits of course work including a thesis (1-6 credits) and oral defense or a comprehensive examination. Of the 45 credits, minimum of 6 credits must be taken in practicum and a 6 credit field practicum placement is needed. Specific course requirements are listed below. At least half of the graduate work in the degree program emphasis must be completed in courses numbered 700 or higher.

COMMUNICATION (M.S.)

A. COMMUNICATIVE DISORDERS EMPHASIS

REQUIRED IF NOT TAKEN AS UNDERGRADUATE

1. SELECT 0-21 CREDITS IF NOT TAKEN AS UNDERGRADUATE
510-580 SPEECH & LANG DEVELOPMENT IN CHILD
510-585 FLUENCY DISORDERS
510-624 ORGANIC SPEECH DISORDERS
510-626 NEUROGENIC COMMUNICATIVE DISORDERS
510-672 ASSESSMENT IN COMMUNIC DISORDERS
510-681 INTRO TO ASSESSMENT & INTERVENTION
510-682 AUDIOMETRY

REQUIRED COURSES - 33 CREDITS

1. 510-709 SEMINAR IN COMMUNICATIVE DISORDERS
2. 510-710 SPEECH AND LANGUAGE TREATMENT IN CLINICAL ENVIRONMENTS
3. 510-711 THE DYSARTHRIAS
4. 510-712 RESEARCH METHODS IN COMMUNICATIVE DISORDERS
5. 510-713 SEMINAR IN LANGUAGE DISORDERS: ADVANCED ASSESSMENT AND INTERVENTION
6. 510-714 SUPERVISION IN COMMUNICATIVE DISORDERS
7. 510-720 VOICE DISORDERS
8. 510-722 NEUROGENIC LANGUAGE AND COGNITIVE IMPAIRMENTS IN ADULTS
9. 510-724 AURAL REHABILITATION
10. SELECT 6 CREDITS IN COMMUNICATIVE DISORDERS

PRACTICUM REQUIREMENTS - 12 CREDITS

1. SELECT A MINIMUM OF 6 CREDITS FROM COURSE 510-660 PRACTICUM - COMMUNICATIVE DISORDERS
2. SELECT 6 CREDITS FROM COURSE 510-793 PRACTICUM FIELD/EXTERNSHIP

LICENSURE - CHECKLIST ONLY

1. POST STUDENT TEACHING SEMINAR
2. 437-450 METHODS: COMMUNICATIVE DISORDERS
3. 439-793 DIRECTED TEACHING: COMMUNICATIVE DISORDERS
4. THE FOLLOWING COURSES OR EQUIVALENTS (UNDERGRADUATE OR GRADUATE):
AN APPROVED COURSE IN LEARNING
AN APPROVED COURSE IN READING
THE WISCONSIN HUMAN RELATIONS REQUIREMENT
480-205 PSYCHOLOGY OF EXCEPTIONAL CHILD
423-222 CHILD DEVELOPMENT OR
423-487 ADOLESCENT DEVELOPMENT
480-466/666 WORKING WITH PARENTS OF EXCEPTIONAL CHILDREN AND COMMUNITY AGENCIES
5. NOTE: ADMISSION TO PROFESSIONAL EDUCATION MAY BE REQUIRED IN THIS PROGRAM. CONTACT ADVISER FOR MORE INFORMATION. LICENSURE INFORMATION IS PROVIDED FOR INFORMATION ONLY. LICENSURE REQUIREMENTS ARE NOT CHECKED BY GRADUATE AUDIT SYSTEM.

Mass Communication Emphasis

Program Coordinator:

Dr. John E. Nichols
Salsbury 323 Phone (414)472-5260

Additional Admission Requirements:

Fifteen credits in journalism and/or radio-television-film. Applicants not meeting this requirement will have their transcripts and relevant experience evaluated to determine whether their backgrounds are acceptable or if additional prerequisite course work is required.

Degree Requirements:

Thirty credits of course work including one of the following: (1) a thesis (2-3 credits) and an oral defense or (2) a comprehensive examination and an oral defense. The thesis may be either a traditional research project or a non-traditional project. Specific course requirements are listed below. At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher. Course options and electives should be selected in consultation with advisers to match individual career paths.

COMMUNICATION (M.S.)

B. MASS COMMUNICATION EMPHASIS

REQUIRED COURSES - 12 CREDITS

1. 424-740 TECHNIQUES OF RESEARCH
2. 164-688 ADVISERS WORKSHOP
3. 166-622 COMMUNICATION THEORIES
4. 166-620 LISTENING BEHAVIOR OR
166-624 CROSS-CULTURAL COMMUNICATION

EMPHASIS - 18 CREDITS

1. COMPLETE 1 GROUP FROM THOSE LISTED BELOW:
 - a. 12-24 CREDITS OF ELECTIVES NUMBERED 164-XXX AND/OR RADIO/TELEVISION/FILM COURSES NUMBERED 166-XXX SELECTED WITH ADVISERS CONSENT, AND 0-9 CREDITS OF ELECTIVES OUTSIDE THE EMPHASIS SELECTED WITH ADVISERS CONSENT
 - b. 9-12 CREDITS OF ELECTIVES NUMBERED 164-XXX AND/OR RADIO/TELEVISION/FILM COURSES NUMBERED 166-XXX SELECTED WITH ADVISERS CONSENT, AND 3-6 CREDITS OF ELECTIVES IN PROFESSIONAL EDUCATION, AND 0-9 CREDITS OF ELECTIVES IN LIBERAL ARTS, EXCLUDING COURSES IN THE EMPHASIS, WITH ADVISERS CONSENT
 - c. 432-768 DEVELOPMENTAL READING IN THE SECONDARY SCHOOL, AND 439-414 DIRECTED TEACHING-SECONDARY AND 9-12 CREDITS OF ELECTIVES NUMBERED 164-XXX AND/OR RADIO/TELEVISION/FILM COURSES NUMBERED 166-XXX WITH ADVISERS CONSENT, AND ELECTIVE IN EDUCATIONAL PSYCHOLOGY, AND WISCONSIN HUMAN RELATIONS REQUIREMENT

Option c above is for those seeking public school licensure and includes additional course work at the undergraduate level.

Speech Communication Emphasis

Program Coordinator:

Dr. Darrell Mullins
Heide 442 Phone (414)472-1034

Additional Admission Requirements:

An undergraduate program in speech communication or speech communication and theatre which totals at least 20 credits and is appropriate to the applicant's plan for future academic study.

Degree Requirements:

Thirty credits of course work plus one of the following: (1) an approved thesis and an oral defense, (2) a written comprehensive examination and an oral defense in either speech communication or speech communication and theatre, or (3) six additional credits

of course work. For the first option, 1-3 credits of Thesis Research may count toward the 30 credits. In order to use option 3, students must receive permission from the graduate faculty of the Department of Communication after successfully completing 15 credits in communication and/or theatre. Specific course requirements are given below. At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher. Course options and elective courses should be selected in consultation with advisers to match individual career paths.

COMMUNICATION (M.S.)

C. SPEECH COMMUNICATION EMPHASIS

REQUIRED COURSES - 9 CREDITS

1. 166-559 RHETORIC OF THE WESTERN WORLD
2. 166-622 COMMUNICATION THEORIES
3. 166-701 INTRO TO GRADUATE STUDY IN SPEECH

EMPHASIS - 21-27 CREDITS

1. COMPLETE 1 GROUP FROM THOSE LISTED BELOW:
 - a. SELECT ONE OF:
424-740 TECHNIQUES OF RESEARCH
680-789 RESEARCH IN ENGLISH
AND
9-21 CREDITS IN SPEECH COMMUNICATION,
AND ONE OF:
9 CREDITS IN THEATRE ELECTIVES
3-9 CREDITS IN ELECTIVES WITH ADVISERS
CONSENT
 - b. 424-740 TECHNIQUES OF RESEARCH, AND
9-21 CREDITS IN SPEECH COMMUNICATION,
AND
3-6 CREDITS IN PROFESSIONAL EDUCATION,
AND ONE OF:
9 CREDITS IN THEATRE
3-9 CREDITS IN LIBERAL ARTS COURSES,
EXCLUDING SPEECH COMMUNICATION, WITH
ADVISERS CONSENT
 - c. 424-740 TECHNIQUES OF RESEARCH, AND
432-768 DEVELOPMENTAL READING, AND
439-414 DIRECTED TEACHING-SECONDARY,
AND ONE OF:
437-631 METHODS OF TEACHING SPEECH
437-434 METHODS OF TEACHING THEATRE,
AND
3 CREDITS - PROFESSIONAL ED. ELECTIVES,
AND WISCONSIN HUMAN RELATIONS
REQUIREMENT

Option C above is for those seeking public school licensure and includes additional course work at the undergraduate level.

CURRICULUM AND INSTRUCTION

The Master of Science (M.S.) degree program in Curriculum and Instruction provides individuals with advanced academic work in both content and pedagogy. The degree is designed to blend content and pedagogy throughout all course work and within the culminating experience, either an integrative project or a thesis. This degree builds from a common core of knowledge and then allows a degree of specialization in an emphasis of special interest to the individual. Emphases include:

Art Education
 Computer Enhanced Instructional Technologies
 Early Childhood
 Elementary Education
 English Education
 Gifted and Talented
 Library Media and Technology
 Mathematics Education
 Physical/Health Education
 Science Education
 Social Studies Education

Program Coordinator:

Dr. Richard J. Teller
 2040 Roseman Phone (414)772-1006

Additional Admission Requirements:

Applicants for admission must be licensable by the State of Wisconsin for teaching in public schools. Exceptions may be made by the Program Coordinator for applicants with an adequate knowledge base in education who either (1) have a minimum of two years of teaching experience in a school or (2) are employed outside of school in a position with duties determined by the coordinator to be instructional in nature. Individuals admitted as exceptions under the latter criterion may be limited to specifically designated emphases.

Degree Requirements:

- In addition to satisfying all other graduate school requirements for a degree, students must complete 36 credits of course work including (1) a thesis or (2) an integrative graduate project. Students who choose to write a thesis must complete at least three credits of Thesis Research; and those who choose to do an integrative graduate project must complete the Integrative Project Seminar.
- All degree candidates will be required to complete 424-740 Techniques of Research within the first six credits after being admitted to the program.

- As early in the degree course work as possible, but before completing 15 credits, students opting to do integrative graduate projects must submit a brief two page proposal for the project to their adviser and the Program Coordinator for approval.
- At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher.

CURRICULUM AND INSTRUCTION (M.S.)

PROFESSIONAL CORE - 12 CREDITS

- 420-709 FOUNDATIONS SEMINAR: REFLECTIONS ON EDUCATION AND TEACHING
- 424-740 TECHNIQUES OF RESEARCH
- 430-723 SEMINAR: ISSUES AND PROBLEMS IN AMERICAN EDUCATION
- 430-725 CURRICULUM DESIGN AND DEVELOPMENT

DEGREE OPTION - 3-6 CREDITS

- SELECT 3-6 CREDITS FROM THESIS RESEARCH (3-6 CREDITS) OR 430-789 INTEGRATIVE PROJECT SEMINAR (3 CREDITS)

ELECTIVES - 0-6 CREDITS

- SELECT 0-6 CREDITS IN CONSULTATION WITH ADVISER

EMPHASIS (15-18 CREDITS)

ONE OF THE FOLLOWING EMPHASES:

A. ART EDUCATION EMPHASIS - 15 CREDITS

- 430-721 TRENDS IN ART EDUCATION
- 430-755 CURRICULUM CONCERNS IN ART EDUCATION
- ANY 2 COURSES FROM
 110-710 GRADUATE STUDIO I (3 CR)
 110-711 GRADUATE STUDIO II (3 CR)
 GRADUATE ART HISTORY COURSE(S) (3-6 CR), OR
 COMPUTER SCIENCE, SCIENCE, PHILOSOPHY, OR
 SUPERVISION COURSES, CHOSEN IN
 CONSULTATION WITH ADVISER
- 430-759 ART FOR EXCEPTIONAL CHILD/ADULT OR
 437-725 ART EDUCATION FOR SECONDARY
 SCHOOL

B. COMPUTER ENHANCED INST TECH - 15 CREDITS

- 430-754 EDUCATIONAL SOFTWARE IMPLEMENTATION
- 765-507 SMALL COMPUTER APPLICATIONS
- HARDWARE AND SOFTWARE SELECTION ACQUISITION AND MANAGEMENT IN EDUCATION
- 422-634 INSTRUCTIONAL TECHNOLOGY OR 422-754 ADVANCED DESIGN AND PRODUCTION OF INSTRUCTIONAL MATERIALS
- SELECT 3 CREDITS FROM COURSES
 422-751 ADMIN OF EDUCATIONAL MEDIA PROG
 422-755 HYPERMEDIA IN SCHOOL LIBRARY MEDIA AND TECHNOLOGY PROGRAMS

- 423-752 INSTRUCTIONAL DESIGN
- 430-672 UNDERSTANDING AND USING LOGO
- 430-752 MICROCOMPUTER APPS IN CLASSROOM
- 765-705 INTRO TO PROGRAMMING - PASCAL

C. EARLY CHILDHOOD ED EMPHASIS - 15 CREDITS

1. 434-711 EARLY CHILDHOOD EDUCATION: FROM THEORY TO PRACTICE
2. 434-713 TRENDS IN CURRICULUM FOR THE PRESCHOOL/PRIMARY CHILD
3. 434-714 CURRENT ISSUES IN EARLY CHILDHOOD EDUCATION
4. 423-522 PRE-SCHOOL CHILD DEVELOPMENT OR 430-550 INTRO TO MULTICULTURAL EDUCATION OR 430-716 INTEGRATING SOFTWARE OR 432-774 EMERGENT LITERACY OR 480-520 INTRO - ED OF YOUNG CHILDREN EEN
5. 434-715 CHILDREN IN CRISIS OR 434-717 CHILDREN AT RISK

D. ELEMENTARY EDUCATION EMPHASIS - 15 CREDITS

1. CHOOSE 15 CREDITS TO INCLUDE COURSES FROM AT LEAST 3 GROUPS FROM THOSE LISTED BELOW:
 - a. SELECT 0-9 CREDITS FROM COURSES
 - 110-721/430-721 TRENDS IN ART ED
 - 423-674 INCREASING STUDENT MOTIVATION
 - 428-675 DISRUPTIVE CLASSROOM BEHAVIOR
 - 428-676 INTERPERS HELPING SKILLS
 - 428-765 GROUP DYNAMICS IN CLASSROOM
 - 430-720 ADVANCED TECHNIQUES - LANG ARTS
 - 430-740 TECHNIQUES - IMPROVING WRITING
 - 430-761 ADVANCED TECHNIQUES - MATH
 - 430-763 ADVANCED TECHNIQUES - SCIENCE
 - 432-764 DEVELOPMENTAL READING - ELEM
 - b. SELECT 0-9 CREDITS FROM COURSES
 - 430-672 UNDERSTANDING AND USING LOGO
 - 430-716 INTEGRATING SOFTWARE
 - 430-730 TEACHING OF COMPUTER SCIENCE
 - 430-752 MICROCOMPUTER APPS IN CLASSROOM
 - c. SELECT 0-9 CREDITS FROM COURSES
 - 290-772/433-772 LEGAL ASPECTS OF ED
 - 430-770 SUPERVISION OF STUDENT TEACHERS
 - 430-771 PRINCIPLES OF MENTORING
 - 433-769 SUPERVISION OF INSTRUCTION
 - d. SELECT 0-9 CREDITS FROM COURSES
 - 420-710 EDUCATION IN PLURALISTIC SOCIETY
 - 430-550/437-550 INTRO TO MULTICULTURAL ED
 - 430-635/437-635 LANG ACQUISITION - BILING
 - e. SELECT 0-9 CREDITS FROM COURSES
 - 432-774 EMERGENT LITERACY
 - 434-711 EARLY CHILDHOOD EDUCATION
 - 434-713 TRENDS IN CURRIC FOR PRESCHOOL
 - 434-717 CHILDREN AT RISK
 - f. SELECT 0-9 CREDITS FROM COURSES
 - 166-624 CROSS CULTURAL COMMUNICATION
 - 613-620 CULTURE & PERSONALITY
 - 630-703 ENVIRONMENT & MAN
 - 680-701 LANGUAGE IN SOCIETY
 - 722-702 WORLD POPULATIONS & RESOURCES

- 760-615 ALGEBRA & NUM THEORY - EL TEACH
- 760-616 GEOMETRY - ELEM TEACHER
- 800-702 ELEMENTS OF PHYSICS
- 805-630 ASTRONOMY FOR TEACHERS
- 840-624 HUMAN LEARNING
- 840-651 INTERPERSONAL RELATIONS
- 880-555 SOCIAL PSYCHOLOGY
- 880-655 SOCIOLOGY OF THE FAMILY
- 880-711 AMERICAN SOCIAL INSTITUTIONS

E. ENGLISH EDUCATION EMPHASIS - 15 CREDITS

1. 680-720/437-720 TEACHING WRITING OR 680-730/437-730 TEACHING LITERATURE
2. SELECT 6 CREDITS FROM THE FOLLOWING COURSES:
 - 680-501 LITERARY CRITICISM
 - 680-510 LIT FOR ADOLESCENTS
 - 680-545 AFRO-AMERICAN LIT
 - 680-548 AM LIT 1900-50
 - 680-568 AM MINORITY WOMEN WRITERS
 - 680-603 RENAISSANCE DRAMA
 - 680-664 20TH CENTURY WOMEN WRITERS
 - 680-747 AMERICAN NOVELISTS
 - 680-749 MODERN LIT
 - 680-771 SPECIAL TOPICS OR OTHER COURSES IN LITERATURE SELECTED WITH ADVISER
3. SELECT 6 CREDITS FROM THE FOLLOWING COURSES:
 - 680-575 FICTION WRITING
 - 680-581 SURVEY OF LINGUISTICS
 - 680-583 MODERN GRAMMATICAL THEORY
 - 680-671 THEORIES OF COMP FOR TEACHERS
 - 680-701 LANGUAGE IN SOCIETY
 - 680-771 SPECIAL TOPICS OR OTHER COURSES IN LANGUAGE AND WRITING SELECTED WITH ADVISER

F. GIFTED & TALENTED EMPHASIS - 15 CREDITS

1. 423-763 EDUCATIONAL PSYCHOLOGY OF TEACHING THE GIFTED: ALTERNATIVE LEARNING APPROACHES FOR THE GIFTED
2. 423-764 EDUCATIONAL PSYCHOLOGY OF TEACHING THE GIFTED: DEVELOPMENT OF EDUCATIONAL PROGRAMS FOR THE GIFTED
3. 429-793/439-793/489-793 PRACTICUM IN GIFTED AND TALENTED
4. 480-625 INTRO TO GIFTED EDUCATION
5. 480-628 GENERAL INSTRUCTIONAL MODELS FOR GIFTED EDUCATION

G. LIBRARY MEDIA & TECH EMPHASIS - 18 CREDITS

1. 422-550 REFERENCE AND BIBLIOGRAPHY OR 422-641 COMPUTER APPLICATIONS IN THE LIBRARY AND MEDIA CENTER
2. 422-551 BUILDING MEDIA COLLECTIONS OR 423-752 INSTRUCTIONAL DESIGN
3. 422-634 INSTRUCTIONAL TECHNOLOGY OR 422-754 ADVANCED DESIGN AND PRODUCTION OF INSTRUCTIONAL MATERIALS
4. 422-638 UTILIZATION OF INSTRUCTIONAL TELEVISION RESOURCES OR

- 422-755 HYPERMEDIA IN SCHOOL LIBRARY MEDIA & TECHNOLOGY PROGRAMS
5. 422-654 LIBRARY AND MEDIA CENTER ADMINISTRATION OR
- 422-751 ADMINISTRATION OF EDUCATIONAL MEDIA PROGRAMS
6. 422-715 CURRENT TRENDS IN YOUNG PEOPLES K-12 LITERATURE AND RELATED MEDIA

H. MATHEMATICS EDUCATION EMPHASIS - 15 CREDITS

1. SELECT 2 COURSES FROM THE FOLLOWING WITH APPROVAL OF ADVISER BASED ON PREVIOUS COURSE WORK:
- 430-761 ADVANCED TECHNIQUES IN THE TEACHING OF MATHEMATICS (K-12)
- 430-766 ADVANCED METHODS OF TEACHING ELEMENTARY MATHEMATICS
- 437-701 MODERN SCHOOL MATHEMATICS CURRIC
- 437-728 ADVANCED METHODS OF TEACHING SECONDARY MATHEMATICS
2. SELECT 3 COURSES FROM THE FOLLOWING WITH APPROVAL OF ADVISER BASED ON PREVIOUS COURSE WORK:
- 760-580 PROBLEM SOLVING
- 760-615 MODERN ALGEBRA AND NUMBER THEORY - ELEM TEACHER
- 760-616 GEOMETRY FOR THE ELEM TEACHER
- 760-617 THEORY OF NUMBERS
- 760-731 PROB & STATISTICS FOR MATH TEACHERS
- 760-740 TOPICS IN DISCRETE MATHEMATICS OR GRADUATE LEVEL MATH COURSES SELECTED AT DISCRETION OF ADVISER

I. PHYSICAL HEALTH ED EMPHASIS - 15 CREDITS

1. 442-710 TRENDS IN PHYSICAL EDUCATION OR
- 444-710 DEVELOPING WELLNESS FOR CHILD & ADOL
2. 442-712 CURRICULUM IN PHYSICAL EDUCATION OR
- 444-725 HEALTH EDUCATION ISSUES & CURRIC
3. 444-735 EFFECTIVE TEACHING FOR CHANGING HEALTH BEHAVIOR
4. SELECT 6 CREDITS FROM THE FOLLOWING COURSES:
- 442-715 FACILITY PLANNING
- 442-752 NEW DIMENSIONS - LIFETIME SPORTS
- 442-770 ASSESSING MOTOR BEHAVIOR
- 442-772 MOTOR PERFORMANCE INSTRUMENTS
- 442-790 WORKSHOP
- 442-793 PRACTICUM
- 442-798 INDIV STUDIES
- 444-540 INTRO TO HEALTH ISSUES AND SEC HEALTHED
- 444-560 HIGH LEVEL WELLNESS
- 444-562 STRESS MANAGEMENT
- 444-591 NUTRITION
- 460-655 ALCOHOL & DRUGS
- 860-541 SEXUALITY
- 880-610 SOC OF HEALTH

J. SCIENCE EDUCATION EMPHASIS - 15 CREDITS

1. 430-765 ADVANCED TECH-TEACHING SCIENCE
2. SCIENCE-TECHNOLOGY-SOCIETY OR PROBLEM SOLVING IN SCIENCE
3. SELECT 3 OR MORE CREDITS FROM COURSES
- 616-701 BASIC CONCEPTS IN GEOLOGY
- 630-703 ENVIRONMENT AND MAN
- 800-702 ELEMENTS OF PHYSICS
4. SELECT 3 CREDITS FROM COURSES
- 722-520 METEOROLOGY AND CLIMATE
- 722-610 PHYSIOGRAPHY OF NORTH AMERICA
- 805-630 ASTRONOMY FOR TEACHERS OR ANY OTHER ASTRONOMY, BIOLOGY, CHEMISTRY, GEOLOGY, OR PHYSICS GRADUATE COURSE
5. SELECT 3 CREDITS FROM COURSES
- 430-754 EDUCATIONAL SOFTWARE IMPLEMENTATION
- 765-507 SMALL COMPUTER APPLICATIONS

K. SOCIAL STUDIES ED EMPHASIS - 15 CREDITS

1. SELECT 3 COURSES FROM COURSES
- 230-659 COMPARATIVE ECON SYSTEMS
- 230-734 ECON CONCEPTS FOR TEACHERS
- 430-763 TECH TEACHING SOC STUDIES
- 722-702 WORLD POP AND RESOURCES
- 740-710 SEM- EARLY AM HIST
- 740-711 SEM- RECENT AM HIST
- 880-555 SOCIAL PSYCHOLOGY
- 880-586 SOC OF THIRD WORLD
- 880-655 SOC OF FAMILY
- 880-659 SOC OF MINORITIES
- 880-711 AM SOCIAL INSTITUTIONS
- MAXIMUM OF 2 COURSES PER DEPT
2. SELECT 2 COURSES APPROVED BY ADVISER FROM ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, POLITICAL SCIENCE, PSYCHOLOGY, OR SOCIOLOGY

EDUCATIONAL ADMINISTRATION

A cooperative program between UW-Whitewater and UW-Madison provides an opportunity for students to earn a Master of Science (M.S.) degree in Educational Administration from UW-Madison by completing a substantial amount of their course work on the UW-Whitewater campus. Twenty-four credits of the 30 credits required by the program may be taken at UW-Whitewater through a combination of UW-Whitewater courses and UW-Madison courses offered at UW-Whitewater. The program combines the unique resources of the two institutions to assist qualified persons to add dimension to their education through (1) intensive study in the theory and practice of educational administration, (2) refinement of skills and attitudes essential to educational leaders, and (3) further study in related educational fields such as curriculum and guidance. The program is designed to prepare persons for leadership positions at all levels of education, both public and private. Students in the program may simultaneously pursue licensure as school administrators as well as establish a foundation for an academic and career ladder.

leading to specialist and doctoral degrees at UW-Madison in educational administration.

Cooperative Program Coordinator:

Dr. Paul Yvarra
Winther 3035 Phone (414)472-5436

Admission Requirements:

Students must be admitted to the UW-Madison Graduate School and the UW-Madison Department of Educational Administration as well as by the UW-Whitewater School of Graduate Studies and the Department of Curriculum and Instruction. Applicants should contact the Cooperative Program Coordinator for a list of current admission requirements and application forms.

Degree Requirements:

Applicants should contact the Cooperative Program Coordinator for the current UW-Madison degree requirements. At present, the following UW-Whitewater courses are approved for inclusion in the program.

	Credits
290/427/433-772 Legal Aspects of Education	3
423-681 Human Abilities and Learning	3
430-725 Curriculum Design and Development	3
433-769 Supervision of Instruction	3
433-776 The School Principalship	3

GUIDANCE AND COUNSELING

The Master of Science (M.S.) degree program in Guidance and Counseling provides graduate level training for students interested in preparing themselves for counseling in a variety of educational and community settings. Emphases are available in elementary and/or secondary school, higher education, and community counseling.

Program Coordinator:

Dr. David Van Doren
Winther 6037 Phone (414)472-5426

Additional Admission Requirements:

1. Applicants must possess a baccalaureate degree from an accredited institution and have an overall undergraduate grade point average of at least 2.75.

2. Admission to the Counselor Education Program is a selective process with a limited number of applicants being admitted. The following criteria will be considered, (1) academic preparation, (2) ability to communicate effectively, (3) potential to work with diverse populations, (4) experience in counseling or related positions, (5) demonstrated commitment to the counseling field.
3. Applicants must submit the following directly to the program coordinator: (1) a brief autobiography, (2) a 2-3 page essay pertaining to career goals and plans, (3) a professional resume, and (4) two reference letters. All application materials must be received by the program coordinator by March 1. Students who wish to graduate in two years will begin during the summer session, while all other students may be admitted for the summer or fall.
4. Individuals meeting all application requirements will have their application reviewed. After applications are reviewed, those applicants chosen for further consideration will be scheduled for a personal interview with a potential advisor and one other member of the program faculty. Following the interviews, the counselor education faculty will select and notify applicants of their admission status by May 1.

Admission Exception:

Applicants seeking an exception to the admissions standards should: (1) submit all aforementioned application materials, (2) submit a letter requesting an exception clearly identifying reasons which justify this exception, (3) provide information supportive of this exception (e.g. additional references, Graduate Record Exam scores, life experiences). On receipt of these materials the regular admission procedures will be followed.

Additional Program Policies:

1. Students admitted to the program must begin and complete their course work, including practica, at the time and in the manner indicated on their program schedule at admission, or receive prior written approval for alteration of their program from their adviser. Students failing to comply with this policy will be dropped from the program. Students may appeal this action.
2. The Counselor Education Department faculty will review all students' progress as they proceed through the program.
3. Elective courses must be approved by students' advisers prior to enrolling in the courses.
4. Students may enroll in at most six credits of course work during any given summer session.

5. A grade of at least a **BC** must be earned in all courses applied toward the degree. No more than two courses in which a grade of **BC** is earned may be applied toward the degree.
6. A grade point average of at least **3.00 (B)** over all the graduate work taken at UW-Whitewater is required for admission to the practicum experience. The required academic year-long practicum must commence in the fall. A practicum policy statement may be obtained from the program coordinator.
7. Students who want to practice in the public schools should check state requirements for counselor licensure.
8. Students interested in associate or clinical membership in the American Association of Marriage and Family Therapy or in Wisconsin licensure as alcohol and/or drug counselors may be required to do course work and clinical supervision beyond the program requirements in order to meet the academic preparation and professional standards.

Program Prerequisites:

Students wishing to enter the degree program must have sufficient background in the behavioral sciences, including a course or courses in human development. Academic background will be examined prior to admission and discussed in the admission interview. Specific deficiencies will be identified at that time.

Students may be admitted to the program with deficiencies. Any deficiencies identified must be removed prior to enrollment in course work beyond the first nine credits. The preparation provided by this prerequisite course work in the behavioral sciences is necessary in order to understand the advanced behavioral science concepts and statistics presented in courses in the degree program.

Courses taken to remove deficiencies may be at the undergraduate or at the graduate level. Credits earned to remove deficiencies will not count toward the degree requirements.

Note: The degree requirements for the Master of Science in Guidance and Counseling will change effective in the summer of 1994. The following degree requirements are in effect for students beginning their programs prior to the summer term of 1994.

Degree Requirements:

Forty-two credits of course work which may include a thesis for 1-6 credits. Course and emphasis requirements are given below. However, emphases, required course sequences, and elective courses should be selected in consultation with advisers to match individual career paths.

GUIDANCE AND COUNSELING (M.S.)

CORE COURSES - 24 CREDITS

1. 490-718 PRINCIPLES OF COUNSELING
2. 490-719 APPRAISAL PROCEDURES IN COUNSELING
3. 490-721 GROUP PROCEDURES IN COUNSELING
4. 490-722 THEORIES OF COUNSELING
5. SELECT 12 CREDITS OF PRACTICUM

EMPHASIS - 18 CREDITS

ONE OF THE FOLLOWING EMPHASES:

A. COMMUNITY COUNSELING EMPHASIS

1. 424-740 TECHNIQUES OF RESEARCH
2. 490-728 CLINICAL STUDIES IN COUNSELING
3. 490-731 INTRO TO MARRIAGE & FAMILY COUNSEL.
4. 490-746 COUNSELING & CHEM DEPENDENCY
5. SELECT 0-3 CREDITS OF ELECTIVES
6. CHOOSE 1 GROUP FROM
 - a. 490-720 CAREER DEVEL & INFO SERVICES AND
490-734 CAREER COUNSEL OF ADOL & ADULT
 - b. 490-732 PRACTICES OF MARRIAGE AND
FAMILY COUNSELING OR
490-733 THEORY AND TECHNIQUES OF
MARRIAGE AND FAMILY COUNSELING
 - c. 490-749 CHEMICAL DEPENDENCY -
TREATMENT AND REHABILITATION

B. HIGHER EDUCATION EMPHASIS

1. 424-740 TECHNIQUES OF RESEARCH
2. 490-720 CAREER DEVEL AND INFO SERVICES
3. 490-729 STUDENT SERVICES IN HIGHER ED
4. 490-747 CONSULTATION MODELS & OUTREACH
APPS
5. 490-748 ADMIN IN COLLEGE STUDENT PERSONNEL
6. SELECT 3 CREDITS OF ELECTIVES

C. SCHOOL COUNSELING EMPHASIS

1. 490-720 CAREER DEVEL AND INFO SERVICES
2. 490-723 COUNSELING IN EL & JR HIGH SCHOOLS
3. 490-725 COUNSELING IN SECONDARY SCHOOLS
4. 490-727 PROG DEVEL, RESEARCH AND
EVALUATION
5. 490-730 CONSULTING SKILLS FOR COUNSELORS
6. 490-738 PERSPECTIVES IN SCHOOL COUNSELING

Note: The following requirements are in effect for students beginning their programs during the summer 1994 term or later.

Degree Requirements:

Forty-eight credits of course work which may include a thesis for 1-6 credits. Course and emphasis requirements are given below. However, emphases, required course sequences, and elective courses should be selected in consultation with advisers to match individual career paths.

GUIDANCE AND COUNSELING (M.S.)

CORE COURSES - 30 CREDITS

- 490-718 PRINCIPLES OF COUNSELING
- 490-719 APPRAISAL PROCEDURES IN COUNSELING
- 490-720 CAREER DEVEL. AND INFO SERVICES
- 490-721 GROUP PROCEDURES IN COUNSELING
- 490-722 THEORIES OF COUNSELING
- 490-741 SOCIAL & CULTURAL FOUND. OF COUNS.
- SELECT 12 CREDITS OF PRACTICUM

EMPHASES - 18 CREDITS

ONE OF THE FOLLOWING EMPHASES:

A. COMMUNITY COUNSELING EMPHASIS

- 424-740 TECHNIQUES OF RESEARCH
- 490-728 CLINICAL STUDIES IN COUNSELING
- 490-731 INTRO TO MARRIAGE & FAMILY COUNSEL.
- 490-734 FAMILIES: ASSESS & TRT ABUSIVE BEH.
- 490-746 COUNSELING & CHEM DEPENDENCY
- SELECT 3 CREDITS OF ELECTIVES

B. HIGHER EDUCATION EMPHASIS

- 424-740 TECHNIQUES OF RESEARCH
- 490-729 STUDENT SERVICES IN HIGHER ED
- 490-747 CONSULTATION MODELS & OUTREACH APPS
- 490-748 ADMIN IN COLLEGE STUDENT PERSONNEL
- SELECT 6 CREDITS OF ELECTIVES

C. SCHOOL COUNSELING EMPHASIS

- 490-723 COUNSELING IN EL & JR HIGH SCHOOLS
- 490-725 COUNSELING IN SECONDARY SCHOOLS
- 490-727 PROG DEVEL, RESEARCH AND EVALUATION
- 490-730 CONSULTING SKILLS FOR COUNSELORS
- 490-738 PERSPECTIVES IN SCHOOL COUNSELING
- SELECT 3 CREDITS OF ELECTIVES

MUSIC EDUCATION

The Master of Music Education (M.M.E.) degree is designed to extend and improve the professional preparation of those who are already licensed to teach music. Emphases within the degree are choral, general, and instrumental music education.

Program Coordinator:

Dr. Howard G. Inglefield
Center of the Arts 2038 Phone (414)472-1310

Additional Admission Requirements:

Applicants for admission must (1) have earned an undergraduate music education degree with licensure and (2) pass entrance examinations in music history and music theory. Entrance examinations must be taken prior to the first semester of registration and may result in the requirement of music history and/or music theory review courses. The review courses carry graduate credit but will not apply to the degree requirements.

Degree Requirements:

Thirty-three credits of course work including a three credit thesis and an oral comprehensive examination. The thesis may be either a traditional research project or a non-traditional project. Specific course requirements are given below. At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher.

MUSIC EDUCATION (M.M.E.)

REQUIRED COURSES - 26-27 CREDITS

- 150-740 SEMINAR IN MUSIC EDUCATION RESEARCH TECHNIQUES
- 150-741 PSYCHOLOGY OF MUSIC LEARNING AND TEACHING
- 150-764 FOUNDATIONS OF MUSIC EDUCATION
- 150-799 THESIS RESEARCH
- 150-639 HISTORY OF JAZZ
150-640 HISTORY AND LITERATURE OF WIND BAND AND WIND ENSEMBLE OR
150-671 SEMINAR IN MUSIC HISTORY
- 150-645 MEDIEVAL AND RENAISSANCE MUSIC
150-646 MUSIC OF THE BAROQUE PERIOD
150-647 MUSIC OF THE ROCOCO AND CLASSICAL PERIODS
150-648 MUSIC OF THE ROMANTIC PERIOD OR
150-671 SEMINAR IN MUSIC HISTORY (150-671 MAY BE TAKEN ONLY ONCE TO SATISFY THE ABOVE REQUIREMENTS)
- 150-655 FORM AND ANALYSIS OR
150-656 TWENTIETH CENTURY THEORY OR
150-772 SEMINAR IN MUSIC THEORY
- SELECT 2-3 CREDITS FROM COURSES
150-658 IMPROVISATION, JAZZ
150-659 JAZZ ARRANGING AND COMPOSITION
150-753 ADVANCED ARRANGING
150-755 COMPOSITION
150-772 SEMINAR IN MUSIC THEORY (150-772 MAY BE TAKEN ONLY ONCE TO SATISFY THE ABOVE REQUIREMENTS)
- SELECT 2-4 CREDITS FROM COURSES
150-780 GRADUATE APPLIED MUSIC
150-781 GRADUATE APPLIED MUSIC
150-782 GRADUATE APPLIED MUSIC
- SELECT 3 CREDITS FROM COLLEGE OF EDUCATION

EMPHASIS - 6-7 CREDITS

ONE OF THE FOLLOWING EMPHASES:

A. CHORAL EMPHASIS - 6-7 CREDITS

- 150-756 ADVANCED CONDUCTING
- SELECT 4-5 CREDITS IN CONJUNCTION WITH ADVISER FROM COURSES
150-538 APPLIED MUSIC PEDAGOGY IN VOICE
150-667 JAZZ ENSEMBLE TECHNIQUES
150-756 ADVANCED CONDUCTING
150-777 ADVANCED VOICE CLASS
150-787 ADVANCED PIANO CLASS
150-798 INDIVIDUAL STUDIES (1-2 CR)

B. GENERAL EMPHASIS - 6-7 CREDITS

1. 150-745 THE GENERAL MUSIC CLASS, ISSUES AND PRACTICES
2. SELECT 3-4 CREDITS IN CONJUNCTION WITH ADVISER, NOT TO INCLUDE COURSES IN MUSIC HISTORY, MUSIC THEORY, OR 150-780, 150-781, OR 150-782

C. INSTRUMENTAL EMPHASIS - 6-7 CREDITS

1. 150-756 ADVANCED CONDUCTING
2. SELECT 4-5 CREDITS IN CONJUNCTION WITH ADVISER FROM COURSES
 - 150-661 ADVANCED JAZZ IMPROVIZATION
 - 150-662 ADVANCED JAZZ ARRANGING AND COMPOSITION
 - 150-667 JAZZ ENSEMBLE TECHNIQUES
 - 150-668 MARCHING BAND TECHNIQUES
 - 150-756 ADVANCED CONDUCTING
 - 150-768 ADVANCED INSTRUMENTAL TECHNIQUES
 - 150-798 INDIVIDUAL STUDIES (1-2) CREDITS

OFFICE SYSTEMS

The Master of Science (M.S.) degree in Office Systems is designed to provide students with an understanding of the effects of automation in the office and the strategies for using automation to improve productivity. The degree stresses (1) the importance of the user environment (ergonomics) in managing office systems; (2) the development of skills necessary to manage an integrated office systems environment; (3) the preparation for changes in technology; and (4) the ability to identify strategies and techniques needed to implement office systems using components such as local area networks, artificial intelligence, multivendor computer connectivity, and relational database software. The degree is well suited for business administration graduates, business teachers or graduate students who would like to strengthen their background in office technology.

Program Coordinators:

Dr. Harish Batra
Carlson 4033 Phone (414) 472-1945

Dr. Marcia L. James
Carlson 4018 Phone (414) 472-1322

Additional Admission Requirements:

1. Completion of the Graduate Management Admission Test (GMAT)
2. A composite score of at least 1000 based upon the formula: $(GMAT \text{ score}) + [200 \times (\text{overall undergraduate grade point average})]$, or a composite score of at least 1050 based upon the formula: $(GMAT \text{ score}) + [200 \times (\text{upper division undergraduate grade point average})]$.

3. A TOEFL score of at least 550 or the equivalent on another exam for students from countries where English is not the native language.

Due to increasing enrollments, admission may be limited despite fulfillment of the aforementioned entrance requirements.

Additional Program Policies:

Same as Business Administration (M.B.A.) program.

Degree Requirements:

A minimum of 36 graduate credits and a written comprehensive examination or a thesis. For the thesis option, 1-3 credits of Thesis Research may be included within the 36 credits. Additional graduate courses will be required of those individuals who do not have an adequate preparation in the Common Body of Knowledge as defined by the American Assembly of Collegiate Schools of Business. Specific course requirements are given below.

OFFICE SYSTEMS (M.S.)**COMMON BODY OF KNOWLEDGE - 0-33 CREDITS**

1. SELECT 0-33 CREDITS FROM COURSES
 - 210-701 ACCOUNTING FOUNDATIONS
 - 210-725 PROFIT PLANNING AND CONTROL
 - 230-703 STATISTICS FOUNDATIONS
 - 230-704 ECONOMIC FOUNDATIONS
 - 240-718 FINANCIAL MANAGEMENT
 - 240-721 THE LEGAL ENVIRONMENT OF BUSINESS
 - 250-705 INFORMATION SYSTEM FOUNDATIONS
 - 250-719 OPERATIONS MANAGEMENT
 - 250-720 ORGANIZATION THEORY AND POLICY
 - 260-702 MATHEMATICS FOUNDATIONS
 - 260-716 MARKETING

BUSINESS COURSES - 30 CREDITS

1. 220-645 RECORDS MANAGEMENT
(220-645 MAY BE WAIVED IF AN EQUIVALENT UNDERGRADUATE COURSE WAS COMPLETED)
2. 220-772 OFFICE AUTOMATION TECHNOLOGY
3. 220-773 HUMAN FACTORS IN OFFICE AUTOMATION
4. 220-775 BUSINESS TELECOMMUNICATIONS
5. 220-778 SEMINAR IN OFFICE MANAGEMENT
6. 220-779 OFFICE SYSTEMS: CASE STUDIES
7. 250-751 MANAGEMENT OF HUMAN RESOURCES I
8. 260-733 SEMINAR IN METHODOLOGY OF BUSINESS RESEARCH
9. SELECT 6-9 CREDITS AT THE 700 LEVEL WITHIN THE COLLEGE OF BUSINESS AND ECONOMICS

NON-BUSINESS COURSES - 6 CREDITS

1. 166-521 NONVERBAL COMMUNICATION
- 166-527 INTRODUCTION TO ORGANIZATIONAL COMMUNICATION
- 166-620 LISTENING BEHAVIOR

166-629 ORGANIZATIONAL COMMUNICATIONS
880-525 WHITE-COLLAR CRIME

2. SELECT 3 CREDITS OUTSIDE THE COLLEGE OF BUSINESS AND ECONOMICS

PUBLIC ADMINISTRATION

A cooperative program between UW-Whitewater and UW-Oshkosh enables students in southeastern Wisconsin to take up to 15 credits at UW-Whitewater and have the credits apply toward a Master of Public Administration (M.P.A.) degree granted by UW-Oshkosh. The M.P.A. degree program is designed to enhance the administrative knowledge and skills of those employed in public and not-for-profit agencies. It is a blend of academic and field-related training accessible to professionals who may not be able to come to campus on a regular basis.

Cooperative Program Coordinator:

Dr. John F. Kozlowski
Salisbury 202 Phone (414)472-1120

Admission Requirements:

Applicants must meet the admission requirements of UW-Oshkosh.

Degree Requirements:

Students should contact the M.P.A. Program Director at UW-Oshkosh for their current degree requirements as program advising is the responsibility of that institution. However, students participating in the cooperative program will be assigned an adviser at UW-Whitewater to assist them in selecting appropriate UW-Whitewater courses. UW-Whitewater offers a broad range of courses that fulfill the M.P.A. degree requirements. Most of these courses are offered in the evening both on campus and at the UW-Waukesha County and UW-Rock County Centers. Normally, students will take up to twelve UW-Whitewater credits to fulfill the professional emphasis requirement of the degree. With joint approval and supervision, students also may enroll for their field projects at UW-Whitewater.

READING

The Master of Science in Education (M.S.E.) degree is offered in Reading to prepare teachers to provide special services in reading at the elementary and secondary level, and to license students as reading teachers (316) and/or as reading specialists (317).

Program Coordinator:

Dr. Joan Heimlich
Winther 3042 Phone (414)472-1973

Additional Admission Requirements:

Applicants must be eligible for a Wisconsin license to teach.

Degree Requirements:

Thirty-four credits of course work and a comprehensive examination or a thesis. Course requirements are given below. However, a specific program of study should be planned by students in consultation with their adviser in order to meet State requirements for reading teacher or reading specialist licensure.

READING (M.S.E.)

READING SEQUENCE - 25 CREDITS

1. 432-764 DEVELOPMENTAL READING - ELEM AND
432-768 DEVELOPMENTAL READING - SEC
2. 432-766 DIAGNOSIS AND TREATMENT - K-6 AND
432-767 DIAGNOSIS AND TREATMENT - 7-12
3. 439-793 PRACTICUM (ELEMENTARY) AND
439-793 PRACTICUM (SECONDARY)
4. SELECT 1 GROUP FROM THOSE LISTED BELOW:
 - a. 432-771 PLANNING AND IMPLEMENTING
432-772 READING IN THE CONTENT AREAS
432-773 RESEARCH RELATED - READING AND
439-774 FIELD EXPERIENCE - READING
 - b. SELECT 9 CREDITS OF ELECTIVES WITH
CONSENT OF ADVISER

READING RELATED REQUIREMENT - 3 CREDITS

1. SELECT 3 CREDITS FROM COURSES
430-716 INTEGRATING SOFTWARE
430-720 ADV TECH - LANG ARTS
430-740 TECH - IMPR CHILD WRIT
432-769 READING PROCESS
432-774 EMERGENT LITERACY
432-775 SYMPOSIUM
433-769 SUPERVISION OF INSTRUCTION
434-561 CHILD LITERATURE
436-799 THESIS RESEARCH
437-720 OR 680-720 TEACHING WRITING
437-730 OR 680-730 TEACHING LIT
480-564 INTRO - LD OR COURSE IN READING,
WRITING, LANG. OR LIT

HUMANISTIC AND BEHAVIORAL STUDIES - 3 CREDITS

1. SELECT 3 CREDITS FROM COURSES
420-709 FOUNDATIONS SEMINAR
423-681 HUMAN ABILITIES & LEARNING
430-635 LANGUAGE ACQUISITION - BILINGUAL
430-722 ISSUES IN EL ED
430-723 SEMINAR: ISSUES & PROBS
430-725 CURRIC DESIGN & DEV
430-762 CURRIC IN EL
434-714 CURRENT ISSUES - EARLY CHILDHOOD ED
434-715 CHILDREN IN CRISIS
437-710 CURRIC IN SEC SCHOOL
480-625 INTRO TO GIFTED ED

RESEARCH COURSE - 3 CREDITS

1. 424-740 TECHNIQUES OF RESEARCH

SAFETY

The Master of Science (M.S.) degree program in Safety provides advanced academic work in safety studies with emphases in institutional, occupational, and traffic safety.

Program Coordinator:

Dr. Jerome Witherill
Winther 6034 Phone (414)472-1117

Additional Admission Requirements:

Three letters of recommendation supporting the candidate's ability to do graduate level work, a successful interview with the Department Admission Committee, and meeting the prerequisites listed below for the selected emphasis.

Degree Requirements:

Thirty-six credits of course work including (1) at least 18 credits in safety studies, (2) completion of the course work listed below, (3) successful completion of an oral or written proficiency examination, and (4) successful completion of the oral defense of the thesis or designated research paper. At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher.

SAFETY (M.S.)

REQUIRED COURSES - 13-18 CREDITS

- 424-740 TECHNIQUES OF RESEARCH
- 460-752 SAFETY COMMUNICATIONS
- 460-788 ADVANCED HUMAN FACTORS ENGINEERING
- 462-753 LEGAL ASPECTS - OCCUPATIONAL SAFETY
- 460-789 READINGS AND RESEARCH IN SAFETY OR 460-799 THESIS RESEARCH

EMPHASIS 18-23 CREDITS

ONE OF THE FOLLOWING EMPHASES:

A. INSTITUTIONAL SAFETY EMPHASIS

- PREREQUISITES:
462-380 INDUSTRIAL ACCIDENT PREVENT AND
640-109 CHEMISTRY (OR EQUIVALENT)
- 462-657 PRIN OF OCCUPATIONAL EPIDEMIOLOGY
- 462-684 INDUSTRIAL HYGIENE
- 462-685 FIRE PROTECTION/PREVENTION
- 463-672 ORG AND ADMIN OF SCHOOL SAFETY
- 463-711 PRIN OF INSTITUTIONAL SAFETY
- 469-793 PRACTICUM (469-793 MAY BE WAIVED FOR THOSE WITH APPROPRIATE WORK EXPERIENCE)
- SELECT 0-8 CREDITS FROM COURSES
210-701 ACCOUNT
250-719 OPERATIONS
250-751 HUMAN RES I
250-752 HUMAN RES II

- 250-758 CONFLICT RESOL
- 290-773 SCHOOL PLANT PLAN
- 423-682 ED STATS
- 460-655 ALCOHOL & DRUG
- 460-688 ERGONOMICS
- 462-583 INTRO-SECURITY
- 462-680 INDUS HYGIENE
- 462-683 INDUS SAFETY MANAGE
- 462-689 CHEM SAFETY
- 462-753 LEGAL ASPECTS-OS

B. OCCUPATIONAL SAFETY EMPHASIS

- PREREQUISITES:
462-381 ANALYSIS AND DESIGN FOR SAFETY IN INDUSTRIAL OPERATIONS OR
640-109 EQUV CHEMISTRY
760-230/760-231 OR EQUV PROBABILITY AND STATISTICS
- 460-787 SYSTEM SAFETY ANALYSIS
- 462-684 INDUSTRIAL HYGIENE
- 462-685 FIRE PROTECTION/PREVENTION
- 462-783 CORPORATE SAFETY MANAGEMENT
- 469-793 PRACTICUM (469-793 MAY BE WAIVED FOR THOSE WITH APPROPRIATE WORK EXPERIENCE)
- SELECT 0-10 CREDITS FROM COURSES
250-705 INFO SYSTEMS
460-650 BEH ASPECTS ACCIDENT PREVENTION
460-655 ALCOHOL & DRUGS
460-688 ERGONOMICS
462-657 PRIN OCC EPIDEM
462-680 INDUST HYGIENE INSTRU
462-683 IND SAFETY MANAGE
462-687 PRODUCT SAFETY
462-689 CHEMICAL SAFETY
630-656 RADIATION BIOLOGY
630-685 POLLUTION BIOLOGY
630-703 ENVIRONMENT AND MAN
800-702 ELEMENTS OF PHYSICS

C. TRAFFIC SAFETY EMPHASIS

- 460-650 BEHAVIORAL ASPECTS - ACCIDENT PREV
- 460-655 ALCOHOL AND OTHER DRUGS
- SELECT 12-17 CREDITS FROM COURSES:
220-645 RECORDS MANAGE
250-705 INFO SYSTEMS
250-719 OPERATIONS
250-720 ORG THEORY
250-771 STRAT MANAGE
437-710 CURRIC SEC SCH
460-581 MOTOR FLEET
460-688 ERGONOMICS
460-787 SYSTEM SAFETY
461-661 PROB & MAT DR ED
461-666 POLICE
461-765 TRAFFIC
462-687 PRODUCT SAFETY
463-672 ORG & AD SCH
463-711 PRIN IN SAF
469-793 PRACTICUM
820-516 POLICE & CRIM JUSTICE
820-530 PUBLIC POLICY ANALYSIS
820-613 CONSTITUTIONAL LAW

820-615 CRIMINAL JUSTICE
 820-619 JUDICIAL PROCESS
 880-525 WHITE COLLAR CRIME
 880-570 JUVENILE DELINQUENCY

SCHOOL BUSINESS MANAGEMENT

The Master of Science in Education (M.S.E.) degree in School Business Management provides students an opportunity to pursue a course of study which will qualify them for licensure as a school business manager. An undergraduate degree from an accredited institution with a major in the field of business or business education is desirable. However, the program has the flexibility to tailor programs based upon students' past education and work experience.

Program Coordinator:

Dr. Marcia James
 Carlson 4018 Phone (414) 472-1322

Additional Admission Requirements:

An undergraduate major in business education or business administration or the equivalent is desirable. An undergraduate grade point average of at least 3.00 or a master's degree is required for admission in good standing. Applicants with an undergraduate grade point average less than 2.75 must take the Miller Analogies Test and attain a raw score of at least 44 to be considered for admission on probation. No more than ten percent of all students admitted during a calendar year will be admitted on probation.

Degree Requirements:

Thirty-six credits of course work, or 30 credits and a thesis or comprehensive examination. Upon completion of the program, each student is required, to have 9-12 graduate credits in school business management 9-12 graduate (or undergraduate) credits in business administration, and 9-12 graduate (or undergraduate) credits in educational foundations areas. Specific course requirements are given below. At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher.

SCHOOL BUSINESS MANAGEMENT (M.S.E.)

SCHOOL BUSINESS MANAGEMENT - 12 CREDITS

- 290-770 SCHOOL FINANCE AND ACCOUNTING
- 290-771 SCHOOL BUSINESS MANAGEMENT TECH
- 290-772 LEGAL ASPECTS OF EDUCATION
- 260-636 PURCHASING & MATERIALS MANAGEMENT,
 290-773 SCHOOL PLANT PLANNING OR
 290-777 SCHOOL AUXILIARY SERVICES MANAGE

BUSINESS ADMINISTRATION - 0-9 CREDITS

- 240-646 INSURANCE

- SELECT 6 CREDITS FROM COURSES
 210-541 INTERMEDIATE ACCOUNTING I
 210-701 ACCOUNTING FOUNDATIONS
 230-737 MANAGERIAL ECONOMICS
 290-782 COLLECTIVE NEGOTIATION IN
 EDUCATION

ELECTIVES - 9-24 CREDITS

- SELECT 9-24 CREDITS IN THE AREAS OF ACCOUNTING, BUSINESS EDUCATION, FINANCE, MANAGEMENT, ECONOMICS, OR EDUCATIONAL FOUNDATIONS, DETERMINED IN CONSULTATION WITH ADVISER BASED ON BACKGROUND & INTEREST

SCHOOL PSYCHOLOGY

The Master of Science in Education (M.S.E.) program is part of a two-year, 60-credit program which fulfills the academic requirements for licensure as a School Psychologist. This area of study concerns itself with the application of psychological theories and skills to the problems of schools, with special attention to children as they interact with the school. It provides comprehensive knowledge in psychological and educational foundations and competence in psychological assessment and intervention. Elective courses and practicum experiences can also prepare graduates for work in other mental health areas.

Program Coordinator:

Dr. James D. Larson
 Winther 5033 Phone (414) 472-1026

Additional Admission Requirements:

- An overall undergraduate grade point average of at least a 3.00. Applicants who do not meet this requirement may appeal for an exception on the basis of other factors (e.g., relevant work experience, outstanding job performance, recommendations, and evidence of appropriate personal qualifications).
- An appropriate academic background with a minimum of 12 credits including a course in each of the following: psychology of childhood or adolescence, abnormal psychology, principles of behavior modification, and basic statistical methods. For a student with insufficient background, the School Psychology Committee may require that specific undergraduate courses be completed with a grade of B or better before the application for admission will be processed.
- Students with only a single deficiency may be allowed to satisfy that deficiency at the graduate level once admitted to the program. Obtained credits will not count toward the master's degree, but will count toward the post-masters licensure requirements.
- A representative sample of the applicant's written expression

skills in the form of a typed narrative letter, sent to the Program Coordinator, which includes a discussion of relevant personal background and describes in depth why the applicant has chosen to pursue study in the field of school psychology.

4. Three letters of recommendation from appropriate persons (such as former professors or work supervisors) who are familiar with the applicant's academic and personal qualifications for graduate study in school psychology sent to the Program Coordinator.
5. The results of the Miller Analogies Test (MAT). This test takes approximately one hour and applicants may arrange to take it at the UW-Whitewater Testing Center or at a similar testing facility at another university.
6. Upon review of all of the above materials, selected applicants may be notified by mail to arrange personal interviews with two faculty members of School Psychology Committee.

Degree Requirements:

Thirty credits consisting of courses required for licensure with specific courses determined in consultation with the student's adviser depending upon individual professional goals and past academic course work. Students may elect a thesis (1-6 credits) or a comprehensive examination. Students must maintain a grade point average of B or better throughout the program. Only one grade of BC or below is allowed in the psychology area and only two grades of BC or below are allowed in the entire program of study. No course in the program may be repeated. A full-time student in good standing may carry a maximum load of 12 credits per semester.

Admission Requirements for Sixth-Year/Specialist Level Licensure Program:

A master's degree in school psychology or a related area. If the student's degree is not in school psychology from UW-Whitewater, a narrative letter of background and goals and three letters of recommendation are required. The Program Coordinator, in consultation with the School Psychology Committee and the student, will make course work requirements as necessary to meet program goals, state guidelines, and student needs.

Requirements for Provisional School Psychologist Licensure (Level 61):

A total of 60 graduate credits (i.e., 30 credits beyond the master's degree) of psychology and professional education course work and practica completed with an overall grade point average of at least 3.00, completion of the Wisconsin Human Relations Requirements, and a letter of recommendation from the Program Coordinator in consultation with the School Psychology Committee. Wisconsin statutes provide that the Provisional License (Level 61) may be granted following the completion of 48 credits, but UW-Whitewater will endorse this provision only

under emergency circumstances and only with the approval of the Program Coordinator in consultation with the School Psychology Committee.

SCHOOL PSYCHOLOGY (M.S.E.)

PSYCHOLOGY - 39 CREDITS

- 840-615 RESEARCH DESIGN
- 840-624 HUMAN LEARNING
- 840-640 PSYCHOLOGICAL TESTS AND MEASUREMENTS
- 840-745 INDIVIDUAL INTELLIGENCE TESTING
- 840-746 PSYCHOPATHOLOGY OF CHILDHOOD AND ADOLESCENCE
- 840-766 INTERVIEW AND PSYCHOTHERAPY TECHNIQUES-CHILD
- 840-767 INTERVIEW AND PSYCHOTHERAPY TECHNIQUES-ADOLESCENT
- 840-768 CLINICAL APPLICATIONS OF BEHAVIOR THERAPY
- 840-770 ASSESSMENT OF PERSONALITY
- 840-793A SUPERVISED CLINICAL PRACTICUM I
- 840-793B SUPERVISED CLINICAL PRACTICUM II

PROFESSIONAL EDUCATION - 9 CREDITS

COURSES FROM EDUCATIONAL FOUNDATIONS AND SPECIAL EDUCATION SELECTED IN CONSULTATION WITH THE STUDENT'S ADVISER TO COMPLEMENT SPECIFIC EMPHASES AND SPECIALIZATION

Requirements for School Psychologist Licensure:

Sixty credits of course work including the 48 credits listed above plus 12 additional credits in areas relevant to school psychology, one year of satisfactory supervised experience, and a letter of recommendation from the Program Coordinator in consultation with the School Psychology Committee and the student's internship supervisor(s).

SPECIAL EDUCATION

The Master of Science in Education (M.S.E.) degree program in Special Education is offered with or without Wisconsin teaching licensure. The general program without licensure is designed to increase the knowledge, skills, and general teaching competencies of those already certified to teach and/or to prepare students for other professional responsibilities such as administration and curriculum development. The degree program may also be used to attain a teaching license in early childhood - exceptional educational needs, emotional/behavioral disorders, learning disabilities, or mental retardation with mild/moderate or severe/profound. Emphases in these areas of specialization prepare teachers to work with individuals having exceptional educational needs. Individuals planning to teach in a state other than Wisconsin should obtain the list of licensure requirements of that state prior to meeting with an adviser.

Program Coordinators:**Early Childhood: Exceptional Educational Needs:**

Dr. Barbara Reid
Winther 3048 Phone (414)472-5808

Emotional Behavioral Disorders

Dr. J. Todd Stephens
Winther 3044 Phone (414)472-4847

General (without certification):

Dr. Hans R. Hahn
Winther 3052 Phone (414)472-4877

Learning Disabilities:

Dr. Connie Dalke
Winther 4037 Phone (414)472-5817

Mild/Moderate and Severe/Profound Mental Retardation:

Dr. Ann Riall
Winther 3050 Phone (414)472-5809

Transitional/Special Needs:

Dr. Richard C. Lombard
Winther 4039 Phone (414)472-5813

Additional Admission Requirements:

Three letters of recommendation from individuals familiar with the applicant's personal and professional qualifications, and a conference with a designated adviser in the Department of Special Education.

Degree Requirements:

1. A minimum of thirty credits of coursework including a thesis (1-6 credits) or a comprehensive examination. Courses should be selected in consultation with an adviser for the student's emphasis area to ensure meeting requirements for teaching licensure. Additional coursework may be required to attain licensure.
2. At least half of the graduate work in the degree program and at least half of the work in the emphasis must be completed in courses numbered 700 or higher.
3. An adequate preparation in the Common Body of Knowledge given below. Additional coursework will be required of individuals not having a sufficient preparation.
4. Students seeking a Master's Degree in any area of Special Education are expected to have background in the common body of knowledge. Students without undergraduate or previous graduate coursework in the area of common knowledge listed below may be required to take additional coursework as part of the graduate degree. Courses should

be selected in consultation with an adviser within the emphasis area in which the degree is sought. Courses required for Wisconsin teaching licensure in specific categorical areas of Special Education are included in the following list and should also be selected in consultation with an adviser.

SPECIAL EDUCATION (M.S.E.)**COMMON BODY OF KNOWLEDGE - 0-34 CREDITS**

1. SELECT 0-34 CREDITS FROM COURSES 420-243; 424-424/624 OR 424-425/625; 425-212, 425-222, 425-322/522 OR 425-478/678, 423-363, 423-460, OR 432-774; 430-425/625 OR 437-628; 480-336/536; 480-406/606; 480-426/626; 480-466/666; 489-210; 489-310; 662-350/550; 662-360/560
STUDENTS WITHOUT UNDERGRADUATE OR PREVIOUS GRADUATE WORK IN THE AREA OF COMMON KNOWLEDGE MAY BE REQUIRED TO TAKE COURSE WORK FROM THE ABOVE. COURSES MAY BE SELECTED IN CONSULTATION WITH ADVISER.

REQUIRED CORE COURSES - 3-6 CREDITS

1. 424-740 TECHNIQUES OF RESEARCH
2. 480-721 THE EXCEPTIONAL CHILD (480-721 MAY BE WAIVED IF AN EQUIVALENT COURSE WAS COMPLETED AS AN UNDERGRADUATE)

DEGREE OPTION - 0-6 CREDITS

1. SELECT 0 - 6 CREDITS FROM 480-799 THESIS RESEARCH OR COMPREHENSIVE EXAMINATION

EMPHASIS - 25-33 CREDITS**SELECT ONE OF THE FOLLOWING EMPHASES:****A. EARLY CHILDHOOD: EEN EMPHASIS - 30 CREDITS**

1. 480-772 LIFESPAN ISSUES IN SPECIAL ED
2. 480-780 RESEARCH LIT IN SEVERE DISAB OR 480-782 RESEARCH LIT IN MILD DISABILITY
3. 480-740 PROFESSIONAL SKILL DEV IN EC: EEN
4. PROFICIENCY IN MANUAL COMMUNICATION EITHER THROUGH COMPLETION OF 480-240 MANUAL COMMUNICATION OR VERIFICATION TO ADVISER
5. COMPLETE AT LEAST 3 CREDITS FROM
 - a. 489-725 FIELDWORK WITH EXCEPTIONAL CHILDREN (0-3 CREDITS)
 - b. 480-784 IN SERVICE SEMINAR (1 CREDIT) AND 489-789G PRACTICUM: EC: EEN (3-8 CREDITS)
 - c. 480-784 IN SERVICE SEMINAR (2 CREDITS) AND 489-793 PRACTICUM (5-8 CREDITS)
6. SELECT 3 OR MORE CREDITS FROM COURSES 432-774 EMERGENT LITERACY 434-711 EARLY CHILDHOOD EDUCATION 434-713 TRENDS IN CURRICULUM - PRE/PRIMARY 434-714 CURRENT ISSUES - EARLY CHILDHOOD
7. SELECT 15 OR MORE CREDITS FROM COURSES 434-675 EC PROGRAMS 434-717 CHILD AT RISK

- 480-520 INTRO-EC/EEN
- 480-523 DEV THERAPY
- 480-576 MEDICAL ASPECTS
- 480-622 CURRIC METHODS
- 480-623 INFANT & TODDLER
- 480-624 FAMILY FOCUSED INTERV
- 480-661 ED DIAG & ASSESS
- 480-676 CURRIC, METHODS & MAT
- 480-730 IMPLEMENT INTERV
- 480-775 SUPERV & ADMIN
- 480-798 IND STUDIES(1-3)
- ELECTIVES CHOSEN WITH ADVISER

B. EMOTIONAL BEHAVIORAL DISORDERS - 27 CREDITS

1. 480-772 LIFESPAN ISSUES IN SPECIAL ED
2. 480-773 CONSULTATION TECHNIQUES FOR SPECIAL EDUCATORS
3. 480-782 SURVEY OF RESEARCH LITERATURE FOR MILD DISABILITIES
4. COMPLETE AT LEAST 3 CREDITS FROM
 - a. 489-725 FIELDWORK WITH EXCEPTIONAL CHILDREN (0-3 CREDITS)
 - b. 480-784 INSERVICE SEMINAR (1 CREDIT) AND 489-789C PRACTICUM: EMOTIONAL DISTURBANCE-ELEMENTARY OR 489-789D PRACTICUM: EMOTIONAL DISTURBANCE-SECONDARY
 - c. 480-784 INSERVICE SEMINAR (2 CREDITS) AND 489-793 PRACTICUM (5-8 CREDITS)
5. SELECT AT LEAST 15 CREDITS FROM COURSES
 - 480-555 INTRO - E/B DISORDERS
 - 480-660 ED STUDENTS WITH SEVERE E/BD
 - 480-662 ED DIAG & ASSESSMENT
 - 480-671 CURRIC AND METHODS-EL OR
 - 480-672 CURRICULUM AND METHODS-SEC
 - 480-706 VOCATIONAL ASSESSMENT
 - 480-777 DEV INST MATERIALS FOR EEN
 - 480-781 PROG FOR TRANSITION
 - 480-798 INDIVIDUAL STUDIES(0-3)

C. GENERAL EMPHASIS - 27 CREDITS

1. 480-772 LIFESPAN ISSUES IN SPECIAL ED
2. 480-773 CONSULTATION TECHNIQUES FOR SPECIAL EDUCATORS
3. 480-780 RESEARCH LIT IN SEVERE DISAB OR 480-782 RESEARCH LIT IN MILD DISABILITY
4. SELECT AT LEAST 15 CREDITS FROM COURSES
 - 480-520 INTRO TO EC/EEN
 - 480-555 INTRO TO E/BD
 - 480-556 INTRO TO MR
 - 480-564 INTRO TO LD
 - 480-576 MEDICAL ASPECTS OF DISAB
 - 480-606 CAREER VOC PROGRAMMING
 - 480-628 GEN INST MODELS FOR GIFTED
 - 480-681 REMED OF WRITTEN LANG DISORDERS
 - 480-706 VOC ASSESSMENT OF EEN
 - 480-781 PROGRAMMING FOR TRANSITION
 - 480-798 INDIVIDUAL STUDIES
 - 489-725 FIELDWORK WITH EEN

D. LEARNING DISABILITIES - 27 CREDITS

1. 480-772 LIFESPAN ISSUES IN SPECIAL ED
2. 480-773 CONSULTATION TECHNIQUES FOR SPECIAL EDUCATORS
3. 480-782 SURVEY OF RESEARCH-MILD DISAB
4. COMPLETE AT LEAST 3 CREDITS FROM
 - a. 489-725 FIELDWORK WITH EXCEPTIONAL CHILDREN (0-3 CREDITS)
 - b. SELECT 6 CREDITS FROM COURSES
 - 489-789E PRACTICUM: LD-ELEMENTARY (5 CR) OR
 - 489-789F PRACTICUM: LD-SECONDARY (5 CR) AND
 - 480-784 INSERVICE SEMINAR (1 CR)
 - c. 480-784 INSERVICE SEMINAR (2 CREDITS) AND 489-793 PRACTICUM (5-8 CREDITS)
5. 432-766 DIAGNOSIS & TREATMENT OF READING DISABILITIES, K-6 OR 432-767 DIAGNOSIS & TREATMENT OF READING DISABILITIES, 7-12
6. SELECT 15 OR MORE CREDITS FROM COURSES
 - 480-564 INTRO TO LD
 - 480-662 EDUC DIAG & ASSESSMENT - LD, E/BD, MR
 - 480-678 CURRIC & METHODS IN LD - ELEM
 - 480-679 CURRIC & METHODS IN LD - SEC
 - 480-681 WRITTEN LANG DISORDERS
 - 480-706 VOCATIONAL ASSESSMENT
 - 480-777 DEV OF INST MAT
 - 480-781 PROGRAM FOR TRANSITION
 - 480-798 INDIVIDUAL STUDIES(1-3)

E. MILD/MODERATE & SEVERE PROFOUND MENTAL RETARDATION - 27 CREDITS

1. REQUIREMENT SEGMENT YET TO BE COMPLETED
2. COMPLETE AT LEAST 3 CREDITS FROM
 - 480-772 LIFESPAN ISSUES IN SPEC ED
 - 480-773 CONSULTATION TECHNIQUES OR
 - 480-740 PROFESSIONAL SKILLS DEV IN ED/EEN
 - 480-780 SURVEY OF RESEARCH - SEVERE DIS OR
 - 480-780 SURVEY OF RESEARCH - MILD DISAB
3. COMPLETE AT LEAST 3 CREDITS FROM
 - a. 489-725 FIELDWORK WITH EXCEPTIONAL CHILDREN (0-3 CREDITS)
 - b. SELECT 6 CREDITS FROM COURSES
 - 489-789A PRACTICUM: MR - ELEM (5 CR) OR
 - 489-789B PRACTICUM: MR - SEC (5 CR) OR
 - 489-789H PRACTICUM: SEVERE & (5 CR) AND
 - 480-784 INSERVICE SEMINAR (1 CR)
 - c. 480-784 INSERVICE SEMINAR (2 CR) AND 489-793 PRACTICUM (5-8 CR)
4. SELECT AT LEAST 15 CREDITS FROM COURSES
 - 480-556 INTRO TO MENTAL RETARDATION
 - 480-576 MEDICAL ASPECTS OF DISABILITY
 - 480-622 CURRIC METHODS & ADMIN ED EEN
 - 480-657 CURRIC METHODS - MR-ELEM
 - 480-659 CURRIC METHODS - MR-SEC
 - 480-660 ED OF STUDENTS - SEVERE E/BD
 - 480-661 ED DIAG & ASSESS - EC/EEN & SPH
 - 480-665 CURRIC METHODS - MODERATE HANDICAP
 - 480-676 CURRIC METHODS - MULTIPLE DIS

F. TRANSITIONAL/SPECIAL NEEDS - 25-26 CREDITS

1. 220-660 PRINCIPLES OF VOCATIONAL ED OR
490-718 PRINCIPLES OF COUNSELING
2. 480-772 LIFESPAN ISSUES IN SPEC ED CURRIC OR
480-782 SURVEY OF RESEARCH: MILD DISAB
3. 480-706 VOCATIONAL ASSESSMENT
4. 480-773 CONSULTATION TECHNIQUES
5. 480-781 PROGRAMMING FOR TRANSITION

6. COMPLETE 1 GROUP FROM THOSE LISTED BELOW

- a. SELECT AT LEAST 6 CREDITS OF ELECTIVES FROM DEPTS OF PSYCHOLOGY, SOCIAL WORK, BUSINESS EDUCATION, SPECIAL EDUCATION, AND/OR COUNSELING
- b. SELECT AT LEAST 5 CREDITS FROM COURSE 489-780 PRACTICUM TRANSITION



COURSE DESCRIPTIONS



Section III

Course Descriptions

GENERAL INFORMATION

In the pages to follow, the courses in effect at the time of publication of this bulletin are briefly described. The course number, title, semester credit hours, description, and prerequisites (abbreviated "prereq") are given in that order for each course. Courses are listed alphabetically by college, alphabetically by departments within colleges, and numerically within departments.

Course Numbers: Courses at UW-Whitewater are designated by six-digit numbers. The first two digits generally indicate the department offering the course, while the third digit distinguishes between sub-disciplines within departments. The last three digits indicate the level of the course. Courses numbered 500 or higher are graduate courses, whereas those numbered under 500 are undergraduate courses. Courses numbered 500 through 599 are junior-graduate courses, and those numbered 600 through 699 are senior-graduate courses. Courses numbered 700 or higher are open only to graduate students.

Course Currency Policy: Graduate courses which have not been offered for the four calendar years immediately preceding the issuance of a new bulletin are dropped from the list of approved courses. The term "offered" is defined as (1) a course wherein there has been actual enrollment and wherein instruction has occurred (in graduate/undergraduate courses, undergraduate enrollment will meet this criterion) or (2) a course which during the semester immediately preceding bulletin issuance has been scheduled for registration. Exceptions to this policy must be approved by the Graduate Council. Requests for exceptions must be accompanied by an updated course outline and bibliography.

Course Repeat Policy: A course may not be taken for credit more than once unless it is identified in the Bulletin as a course that may be repeated for credit. If it is repeatable, the limitations of the number of times or maximum number of credits that may be applied to the program or degree credits may be indicated. This policy applies to both courses taken in residence at UW-Whitewater and courses accepted in transfer from another institution.

SPECIAL COURSES

These courses are available on a selected basis through most of the academic departments. The course descriptions are common to all departments. However, the prerequisites and the number of credits permitted in certain programs may differ. Note the limitation of credits for degree/programs identified in the Bulletin.

- 690 WORKSHOP**
Group activity oriented presentations emphasizing "hands on" and participatory instructional techniques. Workshops have as their primary goal the imparting of either a specialized knowledge base regarding an instructional strategy or method or a specific skill. Presentations which are more broadly based in content or which emphasize intensive study and/or research procedures are not to be offered under a workshop number or title.
- 691 TRAVEL STUDY**
A planned and directed group excursion involving extensive academically-focused travel, usually conducted in a foreign country.
- 694 SEMINAR**
Group Activity. An advanced course of study in a defined subject matter area emphasizing small groups in intense study with a faculty member.
- 696 SPECIAL STUDIES**
Group activity. Not offered regularly in the curriculum but which is offered on topics selected on the basis of timeliness, need and interest, and generally in the format of regularly scheduled bulletin offerings.
- 790 WORKSHOP**
Group activity oriented presentations emphasizing "hands on" and participatory instructional techniques. Workshops have as their primary goal the imparting of either a specialized knowledge base regarding an instructional strategy or method or a specific skill. Presentations which are more broadly based in content or which emphasize intensive study and/or research procedures are not to be offered under a workshop number or title.
- 793 PRACTICUM**
Individual activity. Provides planned practical experience in a prescribed area with an agency and under the supervision and cooperative direction of faculty and agency person.
- 794 SEMINAR**
Group Activity. An advanced course of study in a defined subject matter area emphasizing small groups in intense study with a faculty member.

- 796 SPECIAL STUDIES**
Group activity. Not offered regularly in the curriculum but which is offered on topics selected on the basis of timeliness, need and interest, and generally in the format of regularly scheduled bulletin offerings.
- 798 INDIVIDUAL STUDIES**
Individual activity. Carried on in an area of special interest for a variable number of credits under the sponsorship of an interested faculty member and with a minimum of external guidance.
- 799 THESIS RESEARCH**
Guided investigation of an approved thesis topic. Students may receive credit for research activities planned in conjunction with their advisers and leading to the completion of a master's degree.
- 110-644 SCULPTURE IV** 3 cr
Advanced studio experience in sculpture.
Prereq: 9 credits in sculpture.
- 110-645 SCULPTURE V: RESEARCH** 3 cr
A highly specialized course offering directed studio research in a specific created problem related to sculpture.
Prereq: 9 credits in sculpture.
- 110-654 CERAMICS IV** 3 cr
Advanced studio experience in ceramics.
Prereq: 9 credits in ceramics.
- 110-655 CERAMICS V: RESEARCH** 3 cr
A highly specialized course offering directed studio research in a specific creative problem related to ceramics.
Prereq: 9 credits in ceramics.

COLLEGE OF THE ARTS

ART (110, 115)

ART STUDIO (110)

- 110-524 WATERCOLOR** 3 cr
A studio course where exercises and experimentation lead to individual techniques that will be combined with art principles to form aesthetic judgments in watercolor.
- 110-608 ADVANCED DRAWING** 3 cr
A studio course which provides the opportunity for students to pursue directed intermediate and advanced research in drawing. This course will enhance learning by allowing intermediate students the advantage of seeing advanced level work in progress.
Repeatable in increments of 3 credits per semester for a maximum of 12 credits.
- 110-626 ADVANCED PAINTING** 3 cr
A studio course which provides the opportunity for students to pursue directed intermediate and advanced research in painting. This course will enhance learning by allowing intermediate students the advantage of seeing advance level work in progress.
Repeatable in increments of 3 credits per semester for a maximum of 12 credits.
- 110-636 PRINTMAKING IV** 3 cr
Advanced studio experience in printmaking.
Prereq: 9 credits in printmaking.
- 110-637 PRINTMAKING V: RESEARCH** 3 cr
A highly specialized course offering directed research in a specific problem related to printmaking.
Prereq: 9 credits in printmaking.
- 110-656 TECHNICAL STUDY IN CERAMICS** 3 cr
Exploration of technical concerns within ceramics. Emphasis on clay composition and analysis, glaze calculation and formulation, study of ceramic minerals, kiln design, construction and operation.
Prereq: 6 credits in ceramics.
- 110-674 METAL AND JEWELRY IV** 3 cr
An advanced course emphasizing design and creation of objects, both wearable and sculptural. Specifically aimed at the serious metals student.
Prereq: 9 credits in metal and jewelry.
- 110-675 METAL AND JEWELRY V: RESEARCH** 3 cr
A highly specialized course offering directed research in a specific creative problem related to metals and jewelry.
Prereq: 9 credits in metal and jewelry.
- 110-684 GRAPHICS DESIGN IV: COMPUTER PROCESSES** 3 cr
Emphasis is on conceptual, graphic design problem solving using computer graphics. The student studies contemporary design issues and develops strategies for computer graphics design. Visual image development, information design and corporate identity program design, publication planning and design development, and pre-press applications of computer technologies are many of the areas of concentration.
Prereq: 9 credits in graphic design.

- 110-685 GRAPHICS DESIGN V: ADVANCED COMPUTING SOLUTIONS** 3 cr
With guidance from the instructor, the student defines objectives, researches and realizes solutions for a series of designs in an area of special interest. A knowledge of advanced computing hardware and software processes is applied to realize final solutions. Prereq: 110-484/684.
- 110-690 WORKSHOP** 1-3 cr
Prereq: Permission of the Workshop Director.
- 110-694 SEMINAR** 1-3 cr
- 110-696 SPECIAL STUDIES** 3-4 cr
Prereq: Consent of the instructor.
- 110-710 GRADUATE STUDIO I** 3-6 cr
A course designed to provide advanced level studio experience for the graduate art student in a free, informally structured situation with a consulting professor. May be repeated up to 6 credits. Prereq: At least three courses in the chosen area or consent of the instructor.
- 110-711 GRADUATE STUDIO II** 3-6 cr
A course designed to provide advanced level studio experience for the graduate art student in a free, informally structured situation with a consulting professor. May be repeated up to 6 credits. Prereq: At least three courses in the chosen area or consent of the instructor.
- 110-721 TRENDS IN ART EDUCATION** 3 cr
430-721 A course designed to acquaint the teacher with recent trends in the teaching of art. The sources of contemporary knowledge of the function and structure of art education, the child and his growth in art expression, the development of skills and building the art curriculum will be considered during lecture-discussion sessions. A variety of materials and techniques will be explored in the art workshop.
- 110-740 RESEARCH IN STUDIO ART** 3 cr
An individualized course designed to explore research techniques applicable to the artist-teacher in a designated area of specialization. Restricted to graduate students selecting the thesis exhibition-degree requirement.
- 110-790 WORKSHOP** 1-6 cr
- 110-794 SEMINAR** 1-3 cr
- 110-798 INDIVIDUAL STUDIES** 1-3 cr
- 110-799 THESIS RESEARCH** 1-6 cr
- ART HISTORY (115)**
- 115-503 SURVEY OF AMERICAN ART** 3 cr
An historical survey of American art from Colonial to Contemporary periods. The emphasis is on specific American qualities in comparison with similar European developments and how these qualities were motivated by unique characteristics in American social and cultural developments.
- 115-505 HISTORY OF WOMEN IN ART** 3 cr
A study of the contribution of women artists to the fields of architecture, painting, sculpture, printmaking and fibre from the middle ages to the present.
- 115-508 SURVEY OF AFRICAN ART** 3 cr
This course is designed to survey the culturally diverse, yet in some ways homogeneous societies of Africa. It covers the artistic expression of one of the world's major art producing areas. Emphasis is placed on the art traditions of East, West, and Central Africa. Offered fall semester in even numbered years.
- 115-509 SURVEY OF OCEANIC ART** 3 cr
The course will survey the art of the cultures of the South Pacific. Emphasis will be placed on the art of the major art producing groups of Polynesia, Melanesia, and Micronesia.
- 115-510 SURVEY OF MESOAMERICAN ART** 3 cr
A survey of artistic expression of the early cultures of Middle America and parts of South America. Emphasis is placed on the Olmec, Mayan, Toltec, Mixtec, Zapotec and Aztec cultures of Mesoamerica, and the Incas of South America.
- 115-511 HISTORY OF GREEK AND ROMAN ART** 3 cr
This course is designed to cover Greek and Roman art and architecture from pre-classical times to the late Roman Empire. Students are introduced to classical archaeology, technology, style, and iconography. Vase painting, architecture, and sculpture are emphasized in the context of the development of the classical tradition.
- 115-512 HISTORY OF MEDIEVAL ART** 3 cr
Romanesque and Gothic Art from the late 11th to the 15th centuries, with pre-Romanesque study of Roman tradition in architecture, sculpture, and minor arts. Relationships between artistic context, expression, and techniques are explored in medieval cultural history. Emphasis on the Gothic Cathedral and the synthesis of technology, art, and social ideology in medieval France and England. Usually offered spring even numbered years.

- 115-513 HISTORY OF ITALIAN RENAISSANCE ART** 3 cr
A course designed to trace the development of architecture, painting and sculpture from the early fifteenth century through the sixteenth century in Italy. Emphasis is on the revival of interest in classical traditions and the combination of classic ideals and forms with contemporary artistic themes. Usually offered spring even numbered years.
- 115-514 HISTORY OF NORTHERN RENAISSANCE ART** 3 cr
This course is designed to study in depth the unique development of Renaissance art outside Italy, specifically in the Lowlands, France, Germany and Spain during the fifteenth and sixteenth centuries. Usually offered fall odd numbered years.
- 115-515 HISTORY OF BAROQUE ART** 3 cr
An art lecture course covering the leading work in painting, sculpture and architecture in Italy, France, Spain, Germany and The Netherlands, from the Mannerist period to 1800. Slide illustrated. Usually offered spring odd numbered years.
- 115-516 HISTORY OF NINETEENTH CENTURY ART** 3 cr
A slide illustrated lecture course examining major social, scientific and technical factors affecting stylistic progressions in painting, photography, architecture and sculpture during the nineteenth century. European art movements will be the principal concern of the course. Usually offered fall semester.
- 115-517 HISTORY OF MODERN ARCHITECTURE** 3 cr
The major emphasis of this course is the development of the experimental nature of contemporary architectural forms. The student will study this trend from the early engineering solutions of mid-nineteenth century to the complex social and technological solutions of today.
- 115-518 HISTORY OF 20TH CENTURY ART TO 1945** 3 cr
An investigation of the complex visual imagery generated by the social milieu from 1900 to 1945. Emphasis will be on origins, stylistic progressions, and experimental approaches with implications for today's movements. Offered fall semester only.
- 115-519 CONCEPTS IN ART SINCE 1945** 3 cr
A course designed to study the complex developments in art since 1945. Emphasis will be placed on experimental concepts, their evolution, and their manifestation in today's society. Offered spring semester only.
- 115-696 SPECIAL STUDIES** 1-3 cr
- COMMUNICATION (164, 166)**
- MASS COMMUNICATION (JOURNALISM) (164)**
- 164-505 HISTORY OF MASS COMMUNICATION** 3 cr
An overview of the origin, development, strengths and weaknesses, and achievements of mass communication in the United States, with particular attention to the interrelationship between mass communication and society.
- 164-560 NEWSPAPER OPERATIONS** 3 cr
An examination of the basic aspects of newspaper operations: organization and equipment, production and service, financial and legal questions, and public and employee relations.
- 164-606 REPORTING PUBLIC AFFAIRS** 3 cr
Advanced work in reporting with emphasis on news related to crime and the courts, government and politics, business, finance, and labor. Includes study of the courts, legislative procedures and business. Prereq: 164-244.
- 164-620 LAW OF MASS COMMUNICATION** 3 cr
Study of law as applied to the mass media with particular emphasis on freedom of information, libel, privacy, contempt and copyright regulation.
- 164-630 COMMUNICATION AND PUBLIC OPINION** 3 cr
The role of the mass media of communication in the formation of public opinion. Propaganda goals of government, political, economic, and social groups. Prereq: Consent of instructor.
- 164-631 MASS COMMUNICATION IN SOCIETY** 3 cr
A course which examines the functions and effects of mass media in our society. Theoretical bases for assessing social, behavioral and cultural influences are emphasized. Prereq: 166-131 or 166-202. Unreq: 166-631.
- 164-685 COMMUNICATION RESEARCH METHODS** 3 cr
An advanced-level undergraduate and graduate survey of methodologies and issues relevant to the practice of communication research.

- 164-688 ADVISER'S WORKSHOP** 1-4 cr
A course characterized by individualized and participatory activities within a group context, the results of which activities are shared with the entire group. Announcements of specific workshops being offered are made as the workshops are developed. Offered in summer school only. See the Credit Restrictions section under Academic Requirements and Policies for credit limitations pertaining to workshops.
- 164-690 WORKSHOP** 1-4 cr
- 164-691 TRAVEL STUDY** 1-3 cr
- 164-694 SEMINAR** 1-4 cr
- 164-696 SPECIAL STUDIES** 1-4 cr
- 164-790 WORKSHOP** 1-6 cr
- 164-794 SEMINAR** 1-3 cr
- 164-796 SPECIAL STUDIES** 1-3 cr
- 164-798 INDIVIDUAL STUDIES** 1-3 cr
- 164-799 THESIS RESEARCH** 1-6 cr
- SPEECH COMMUNICATION (166)**
- 166-505 HISTORY OF MASS COMMUNICATION** 3 cr
An overview of the origin, development, strengths and weaknesses, and achievements of mass communication in the United States, with particular attention to the interrelationship between mass media and society.
- 166-521 NONVERBAL COMMUNICATION** 3 cr
Nonverbal dimensions of interpersonal communication (physical behavior, facial expression, eye behavior, personal space, personal appearance - clothing, touch, voice and the use of objects) focusing upon their actual interaction with verbal or speech communication. Study of concepts and actual participation in nonverbal exercises/simulations. Prereq: 166-110 or equivalent.
- 166-526 COMMUNICATION AND GENDER** 3 cr
Advanced study of interpersonal communication between and within the sexes. The focus of the course concerns examination of traditional gender ideals and analysis of communication styles that contribute to societal evolution. Sex differences in communication, theories explaining sex differences in communication, research on sex stereotypes, debates about language and sexism, and implications for inter-gender relationships in a variety of settings are among the topics considered in this course. Prereq: 166-228
- 166-527 INTRODUCTION TO ORGANIZATIONAL COMMUNICATION** 3 cr
This course provides a broad overview of the theoretical and empirical literature relevant to organizational communication. The focus is on how communication operates in organizations, the effects of communication on organizational life, and how communication can be made efficient and effective in meeting personal as well as organizational goals. Prereq: 166-110 or equivalent.
- 166-528 COMMUNICATION CONFLICT RESOLUTION** 3 cr
This course provides a communications perspective of the nature and possible methods of resolution of conflict. Prereq: 166-110
- 166-538 REMOTE TELEVISION PRODUCTION** 3 cr
This advanced course instructs students in how to produce, direct, edit, and evaluate portable and remote television productions. Approaches to producing electronic field productions, electronic news gathering, and large scale remotes are examined in depth. Previous course work in television production required. Prereq: 166-337 or 166-231 or 166-331.
- 166-539 HISTORY OF CINEMA** 3 cr
A study of the motion picture as a significant art form of the twentieth century, with an emphasis upon the historical, social, economic, technical, and artistic factors that influenced its development.
- 166-540 SPEECH WRITING** 3 cr
A student develops skills necessary to write varied types of public speeches suitable for presentation by others or by themselves. Prereq: 166-110.

- 166-559 RHETORIC OF THE WESTERN WORLD** 3 cr
An introduction to significant theories of communication and persuasion based on western thought.
Prereq: 166-110.
- 166-602 PUBLICITY MEDIA AND CAMPAIGNS** 3 cr
Extension of principles of public relations through advanced readings and case studies in business, industry, service, and education, and practice in creating effective publicity campaigns.
Prereq: 166-202, 166-203, 164 245 and 166-307.
- 166-620 LISTENING BEHAVIOR** 3 cr
Study of the current theory and research concerning the process of listening in human communication as a basis for an effective understanding of listening behavior and for an increased ability to improve one's own listening skills. Coverage of material culminates in an analysis of approaches to teaching listening in the schools and training in business-industry.
Prereq: 166-110 or equivalent or consent of instructor.
- 166-622 COMMUNICATION THEORIES** 3 cr
Study of theories of communication from various disciplinary viewpoints. An investigation of approaches which attempt to explain the communication process through a "meaning-centered" focus to the communication act (originating communicator, message, channel, responding communicator). Theories are discussed in terms of their assumptions, claims, and strengths-weaknesses.
- 166-624 CROSS CULTURAL COMMUNICATION** 3 cr
Study of cross cultural contacts and interactions when individuals are from different cultures. An analysis of verbal and nonverbal communication and related factors within and between various cultures, predictions of patterns and effects, and communication barriers.
- 166-627 ASSESSING AND DEVELOPING COMMUNICATION COMPETENCIES ON CONTEMPORARY ORGANIZATIONS** 3 cr
This is an advanced-level course that focuses on identifying, evaluating, and enhancing the communicative competencies behind the functioning of contemporary organizations.
Prereq: 166-327/527.
- 166-629 ORGANIZATIONAL COMMUNICATION AUDIT** 3 cr
This course examines the critical issues associated with doing applied work in organizational communication. Theoretical and empirical questions are addressed in this regard. On the basis of this knowledge, the student then learns by conducting an audit of the communication climate for a specific organization.
Prereq: 166-327/527.
- 166-631 MASS COMMUNICATION IN SOCIETY** 3 cr
164-631 A course which examines the functions and effects of mass media in our society. Theoretical bases for assessing social, behavioral and cultural influences are emphasized.
Prereq: 166-131 or 166-202. Unreq: 164-631.
- 166-634 BROADCAST STATION OPERATIONS AND PROCEDURES** 3 cr
An advanced-level course involving the elements of broadcast station and cable television operations, with particular emphasis on federal regulatory policies. Electronic mass media operations involving management, sales, programming, and audience responsibilities are emphasized. Formation of internal policy guidelines for day-to-day operations is a major course focus.
Prereq: 166 131 and at least one semester's staff experience on either WSUW-FM or at Cable 6 or its equivalent as determined by the instructor.
- 166-645 PERSUASION; CAMPAIGNS & SOCIAL MOVEMENTS** 3 cr
Advanced study of the process of persuasion as it relates to significant campaigns and/or social movements such as Civil Rights, Women's Movement, and Political Campaigns. Application and analysis of persuasion and campaigns and/or social movements through term papers, exams, and presentations.
Prereq: 166-345.
- 166-659 COMMUNICATION CRITICISM** 3 cr
Advanced study of social influence through the systematic analysis of public messages. Students will be exposed to contemporary methods of rhetorical criticism which aid in the analysis of strategy and effect.
Prereq: 166-345
- 166-685 COMMUNICATION RESEARCH METHODS** 3 cr
An advanced-level undergraduate and graduate survey of methodologies and issues relevant to the practice of communication research.

166-690	WORKSHOP	1-6 cr
166-691	TRAVEL STUDY	1-3 cr
166-694	SEMINAR	1-6 cr
166-696	SPECIAL STUDIES	1-3 cr
	Prereq.: Consent of instructor.	
166-701	INTRODUCTION TO GRADUATE STUDY IN SPEECH	3 cr
	The student will be introduced to the nature of graduate study and the principles and methods of historical-critical, descriptive and experimental research in speech.	
166-702	SEMINAR IN RHETORIC AND PUBLIC ADDRESS	3 cr
	The group will investigate special topics selected on the basis of need, interest, or timeliness which may change each time the course is offered.	
166-703	SEMINAR IN CONTEMPORARY COMMUNICATION PROBLEMS	3 cr
	Investigation of special current communication topics from a behavioral perspective which are selected on the basis of need, interest, or timeliness and which may change each time the course is offered.	
166-790	WORKSHOP	1 cr
166-794	SEMINAR	1-3 cr
166-796	SPECIAL STUDIES	1-3 cr
166-798	INDIVIDUAL STUDIES	1-3 cr
166-799	THESIS RESEARCH	1-6 cr

MUSIC (150)

APPLIED MUSIC

150-538	APPLIED MUSIC PEDAGOGY IN VOICE	2 cr
	Functional knowledge of the singing voice, teaching skills, and appropriate materials for teaching applied voice in class and studio.	
	Prereq.: Admission to the MME degree program.	
150-756	ADVANCED CONDUCTING	2 cr
	Advanced study and analysis of conducting techniques. Score reading and interpretation of masterpieces from standard instrumental and choral repertoire.	

150-768	ADVANCED INSTRUMENTAL TECHNIQUES (WOODWIND, BRASS, PERCUSSION)	1 cr
	An advanced course in the theory and practice of playing the woodwind, brass and percussion. May be repeated one semester for credit.	
150-777	ADVANCED VOICE CLASS	1 cr
	Group instruction in singing techniques with emphasis on posture, breathing, diction and tone production for students whose major performance is not voice. May be repeated one semester for credit.	
150-780	GRADUATE APPLIED MUSIC	1-2 cr
150-781		
150-782		
150-787	ADVANCED PIANO CLASS	1 cr
	Group instruction in piano technique, sight-reading and accompaniment for students whose major performance is not piano. May be repeated once for credit.	

MUSIC LITERATURE AND HISTORY

150-543	CHORAL LITERATURE	2 cr
	A survey of choral literature from the sixteenth century to the present, including the evaluation of choral works for school and church choirs and small ensembles.	
	Prereq.: Admission to MME program or permission of instructor.	
150-639	THE HISTORY OF JAZZ	2 cr
	The history of jazz examines the medium through historical writings and listening analyses. The course encompasses jazz history from the earliest influences to the current state of jazz.	
	Prereq.: Admission to the MME program in good standing or permission of the instructor.	
150-640	THE HISTORY AND LITERATURE OF THE WIND BAND AND WIND ENSEMBLE	2 cr
	The history and literature of the wind band and wind ensemble will be examined through historical documentation and literature analysis. The course will encompass ancient and Medieval wind music through the 20th century.	
	Prereq.: Admission to MME program in good standing or permission of the instructor.	
150-645	MEDIEVAL AND RENAISSANCE MUSIC	2 cr
	A study of western music from chant to the advent of opera. Analysis of representative works.	

- 150-646 MUSIC OF THE BAROQUE PERIOD** 2 cr
Detailed analysis of representative works by such composers as Monteverdi, Schütz, Corelli, D. Scarlatti, Bach and Handel. Study of performance practices in vocal and instrumental forms.
- 150-647 THE MUSIC OF THE ROCOCO AND CLASSICAL PERIODS** 2 cr
Musical trends from c. 1720-1827, the development of musical style from *Style Galant* and *Empfindsamer Stil* to Haydn, Mozart and Beethoven. Analysis of representative works.
- 150-648 MUSIC OF THE ROMANTIC PERIOD** 2 cr
A study of the styles and trends of the nineteenth century through study and analysis of representative works.
- 150-671 SEMINAR IN MUSIC HISTORY** 3 cr
- MUSIC THEORY**
- 150-654 COUNTERPOINT** 2 cr
A study of contrapuntal technique, centering on the 18th century style. The fugue, passacaglia, and other forms are analyzed. Students will complete projects in two and three voices. As this is a course offered to undergraduates as well, graduate students will complete additional projects.
Prereq: Admission to Master of Music Education degree program.
- 150-655 FORM AND ANALYSIS** 2 cr
A study of the basic structural components as they are employed in the traditional long forms. Analysis of selected examples extracted from traditional music literature.
- 150-658 JAZZ IMPROVISATION** 1 cr
The study and practice of jazz improvisation. Study of the fundamentals of jazz music theory and nomenclature. Listening to, and transcribing historic jazz solos. Performance of modal jazz and 12 bar blues.
Prereq: basic music theory, audition for a U/W-W jazz band or consent of the instructor.
- 150-659 JAZZ ARRANGING AND COMPOSITION** 2 cr
An in-depth study of the formats and techniques involved in arranging and composing for the jazz small group (4 horns and rhythm section). A complete AABA song form arrangement for jazz small group will be required, performed, and recorded.
Prereq: 150-251 or consent of instructor.
- 150-661 ADVANCED JAZZ IMPROVISATION** 1 cr
Continued study and practice of jazz improvisation. Study of more advanced concepts in jazz music theory. Listening to, and transcribing historic jazz solos. Performance of 12 bar blues, minor blues, "rhythm changes", and jazz standards.
Prereq: 150-458/658 or consent of instructor.
- 150-662 ADVANCED JAZZ ARRANGING AND COMPOSITION** 2 cr
An in-depth study of the formats and techniques involved in arranging and composing for the large jazz ensemble (13 horns and rhythm section). A complete AABA song form arrangement for jazz big band will be required, performed, and recorded.
Prereq: 150-459/659 or consent of instructor.
- 150-753 ADVANCED ARRANGING** 2-3 cr
Techniques in scoring both small and large vocal and instrumental ensembles. Students enrolling for three credits are required to complete an additional special project in arranging, or to present a written report of research in the area of instrumentation approved in advance by the instructor.
- 150-755 COMPOSITION** 2-3 cr
Original work in various forms and idioms. Students enrolling for three credits are required to submit a composition in one of the more extended forms.
Prereq: Consent of instructor.
- 150-772 SEMINAR IN MUSIC THEORY** 3 cr
Investigation and discussion of significant problems in music theory. Topics are selected on basis of needs and desire of participants in such areas as twentieth century practices, theory pedagogy, harmonic and melodic styles.
- MUSIC EDUCATION**
- 150-625 MUSIC EDUCATION FOR THE EXCEPTIONAL CHILD** 3 cr
A course in music education of children and adolescents with specific physical, mental, learning, and emotional handicaps. Emphasis on assessment of handicaps as related to music, construction of individual education programs and mainstreaming techniques. (A 15 credit add-on certification in music for the exceptional child is available. Contact the Music Department Office for details.)
Prereq: Consent of instructor.

- 150-667 JAZZ ENSEMBLE TECHNIQUES** 1 cr
A study of the techniques needed to direct a school jazz ensemble such as the functions of the instruments, individually and in sections, the various articulations necessary to perform the various styles of jazz, and basic theoretical knowledge for understanding jazz ensemble scores and teaching basic improvisational techniques.
- 150-668 MARCHING BAND TECHNIQUES** 1 cr
A study of the techniques in producing a marching band performance including marching fundamentals, show planning, music selection, auxiliary groups and rehearsal techniques.
- 150-740 SEMINAR IN MUSIC EDUCATION RESEARCH TECHNIQUES** 3 cr
A basic course for graduate music education students in research methodology in music and music education. Topics covered: Bibliographic techniques in music and music education, basic research design, basic statistical analysis, basic tests and measurement in music education, and the writing of research papers in music education.
Prereq: Graduate standing with undergraduate music education major.
- 150-741 PSYCHOLOGY OF MUSIC LEARNING AND TEACHING** 3 cr
This course is designed for music teachers at all instructional levels. Psychological principles of teaching and learning music will be considered and applied to a variety of instructional settings in music. Particular emphasis will be given to views of learning in the cognitive developmental tradition. Participants will be encouraged to design, extend, refine and evaluate instructional strategies and materials related to these principles.
Prereq: Admission to the MME program or consent of instructor.
- 150-745 THE GENERAL MUSIC PROGRAM: ISSUES AND PRACTICES** 3 cr
This course will investigate the traditions, assumptions and practices of general music. An examination of the implications of contemporary theories of learning and child and adolescent development will be based on theoretical and research studies in general music. Comprehensive issues such as cognitive development, multicultural education, instructional patterns for encouraging cooperation among students, the role of technology and the assessment and evaluation of learning may be addressed. Participants will be encouraged to design, extend, refine and evaluate curricular materials and instructional strategies used in general music settings.
Prereq: Admission to MME program or consent of instructor.
- 150-759 BEGINNING TRAINING IN KODALY MUSIC SKILLS** 3 cr
Practical application and practice in the use of hand signals, sight singing (solmization), ear training, dictation, and analysis, through the sub-pentatonic and pentatonic modes, as applied through the Kodaly approach to music education.
Prereq: Evidence of participation in undergraduate or graduate workshops in Kodaly using basic skills and Kodaly pedagogy, or comparable basic knowledge satisfactory to the instructor.
- 150-760 ADVANCED TRAINING IN KODALY MUSIC SKILLS** 3 cr
Intermediate practical application and practice in the use of hand signals, sight-singing (solmization), ear-training, dictation, analysis, and creativity, through the hexatonic and diatonic modes, as well as whole-tone and chromatic scales and harmonics, as applied through the Kodaly approach to music education.
Prereq: Successful completion of 150-759 or successful achievement of a test-out exam of 150-759.
- 150-762 FOLK MUSIC IN THE KODALY CURRICULUM** 3 cr
An introduction to folk music analysis, with emphasis upon the traditional folk music literature of the multicultural entities of the United States.
- 150-763 PRINCIPLES OF KODALY FOR CHORAL DIRECTORS** 3 cr
Kodaly principles applied to choral rehearsal and performance.

150-764 FOUNDATIONS OF MUSIC EDUCATION 3 cr

An examination of the historical, philosophical, and psychological bases for current approaches to music education. Evaluation of present practices with respect to goals, techniques employed, and evidence of effectiveness.

150-765 METHODOLOGY IN THE KODALY CURRICULUM 3 cr

Collating Kodaly's philosophy, contemporary learning theory, folk song materials and pedagogy, into building a music curriculum compatible with the Kodaly approach.

Prereq: 150-764.

150-771 SEMINAR IN MUSIC EDUCATION 3 cr

Investigation and discussion of contemporary, significant problems in music education. Topics are selected on basis of needs and desires of participants in such areas as music curriculum, tests and measurement in music, music research techniques and criticism, history and philosophy of music education.

MUSIC MISCELLANEOUS

150-690 WORKSHOP 1-6 cr

150-691 TRAVEL STUDY 1-3 cr

150-694 SEMINAR 3 cr

150-696 SPECIAL STUDIES 1-4 cr

150-701 MUSIC IN CONTEMPORARY CULTURE 3 cr

The study of music in the contemporary world. Includes the study of all facets of classical music, trends in contemporary music theater, and the influence of American jazz and popular music on other countries and cultures. Not to be enrolled in by those in the music emphasis.

150-790 WORKSHOP 1-6 cr

150-794 SEMINAR 1-3 cr

150-796 SPECIAL STUDIES 1-3 cr

150-798 INDIVIDUAL STUDIES 1-3 cr

150-799 THESIS RESEARCH 1-6 cr

THEATRE (133) AND DANCE (131)

Graduate students may elect theatre courses in proper balance in the speech communication emphasis when appropriate to their degree program (M.S. - Communication).

133-500 SUMMER THEATRE PRODUCTION 1-6 cr

This course is designed for qualified students to participate in the performance, management, costume and set construction, lighting, and sound operation of an on-campus repertory theatre.

Prereq: Audition or interview and consent of department.

133-507 THEATRE MANAGEMENT AND PROMOTION 3 cr

A study of theory and practice in theatre management, including ticket office procedures, house management, publicity and promotion and the special problems in educational, community, and professional theatre.

133-525 IMPROVISATIONAL DRAMA 3 cr

A study of the techniques of non-scripted drama, including theatre games, improvised scenes, creative drama and story dramatization. Implications and uses of non-scripted drama for education and performance are explored through lectures, demonstrations and group participation.

133-528 VOCAL PRODUCTION AND STAGE SPEECH 3 cr

A study of vocal production and vocal techniques for the actor. Emphasis on the fundamentals of freeing the actor's voice: breathing, relaxation, resonance, articulation, variety and projection.

Prereq: 133-120 or consent of instructor.

133-530 STAGE MOVEMENT AND MIME 3 cr

A study of body awareness and movement for the actor as it relates to the stage as well as an introduction to the basic techniques of mime and unarmed combat.

Prereq: 133-120 or consent of instructor.

133-543 THEATRICAL COSTUMING 3 cr

A lecture/laboratory course to study and practice the basic principles of theatrical costuming, including the process of costuming a play and the fundamentals of pattern making and costume construction. Construction of a costume is required.

Prereq: 133-251 or consent of instructor.

133-545 COSTUME HISTORY 3 cr

Study of the clothing and costume accessories of the major historic periods, with an emphasis on western costume history and on its application to modern stage design.

Prereq: 133-110 or consent of instructor.

- 133-546 SURVEY OF MODERN DRAMA** 3 cr
A study of the trends and developments in the modern theatre from the Romantics and early Realists to the Theatre of the Absurd, with emphasis on literary history and staging problems. May be team-taught with English faculty.
Unreq: 680-346/546.
- 133-633 DIRECTING II** 3 cr
The study and application of contemporary directing theories and an exploration of approaches to production styles; includes the direction of a 30-40 minute studio production.
Prereq: 133-332 or consent of instructor.
- 133-660 ADVANCED STAGE DESIGN AND TECHNOLOGY** 3 cr
A course for the advanced student who wishes to pursue further study in scenic, costume or lighting design and/or technology. Each student, in consultation with the instructors, will choose two projects on which to focus. The lecture/labs will consist of work on those projects and lecture/discussions related to the projects. Required for B.F.A. Design/Tech students. Offered each Spring. Repeatable three times.
Prereq: 133-252.
- 133-671 HISTORY OF THE THEATRE THROUGH 1550 A.D.** 3 cr
Traces the development of theatre from its origins to 1550 A.D., including theatre and drama in ancient Greece, Rome, the Middle Ages, the Italian Renaissance and the Orient. The course also examines the impact of outside forces on the various arts of the theatre.
- 133-672 THEATRE HISTORY AND DRAMA: 1550-1830** 3 cr
Traces the development of the theatre in the West from 1550 to 1830, including Neoclassicism, Elizabethan and Restoration theatre and the development of Romanticism. The impact of outside forces on the various arts of the theatre will be examined.
- 133-678 CONTEMPORARY DRAMA** 3 cr
Analysis of the trends and developments in the theatre of the past 30 years, including the impact of television, motion pictures and other forces on the theatre of today.
- 133-690 WORKSHOP** 1-6 cr
- 133-691 TRAVEL STUDY** 1-3 cr
- 133-694 SEMINAR** 1-6 cr
- 133-696 SPECIAL STUDIES** 1-3 cr
- 133-699 SENIOR PROJECT** 3 cr
A capstone project in which the student demonstrates proficiency in directing, acting, designing, promotion, playwriting or criticism on a major project proposed by the student and approved by the department.
Prereq: Completion of at least 75% of the student's major requirements (including at least 2 upper level courses in the student's project area) and submission and approval of the proposal by the department.
- 133-704 FOUNDATIONS OF DRAMATIC ART** 3 cr
An intensive study of the theatre as an art and as a cultural force. The approach is an aesthetic and historical consideration of dramatic literature and the interpretative arts of stage, motion pictures, radio and television.
- 133-790 WORKSHOP** 1-6 cr
- 133-794 SEMINAR** 1-3 cr
- 133-796 SPECIAL STUDIES** 1-3 cr
- 133-798 INDIVIDUAL STUDIES** 1-3 cr
- 133-799 THESIS RESEARCH** 1-6 cr

COLLEGE OF BUSINESS AND ECONOMICS

ACCOUNTING (210)

- 210-541 INTERMEDIATE ACCOUNTING I** 3 cr
Interpretation and application of accounting principles involving current assets and liabilities, investments and noncurrent liabilities along with internal and external reporting of operations in these areas.
Prereq: 210-244 or 210-701.
- 210-543 INTERMEDIATE ACCOUNTING II** 3 cr
Interpretation and application of accounting principles involving stockholders' equity, intangibles, plant and equipment, funds flow, financial statement analysis, and price-level adjusted statements.
Prereq: 210-341 or 210-541.

- 210-651 INCOME TAX ACCOUNTING 3 cr**
A study of United States and Wisconsin income tax laws with emphasis on the individual taxpayer. The study includes a review of current proposals, discussion of practical problems in tax planning and practice in the preparation of tax returns.
Prereq: 210-244 or 210-701.
- 210-690 WORKSHOP 1-3 cr**
Prereq: Consent of instructor.
- 210-696 SPECIAL STUDIES 1-3 cr**
A limit of three credits can be applied toward the accounting major and limit of six credits toward a degree.
- 210-701 ACCOUNTING FOUNDATIONS 3 cr**
This course involves an in-depth coverage of financial accounting topics similar to Accounting Concepts at the undergraduate level. The content includes a study of the accounting cycle, financial statement preparation and interpretation, assets, liabilities, and owner's equity.
- 210-725 PROFIT PLANNING AND CONTROL 3 cr**
An in-depth look at the concepts and techniques of creating a firm's financial plan. Emphasis is on analysis of past costs so as to predict the future patterns, forecasting of sales, production, cash, and other components, while stressing the need for the commitment, involvement and coordination of management.
Prereq: 210-701.
- 210-726 MANAGEMENT COST ACCOUNTING 3 cr**
This course examines the acquisition, analysis, and application of accounting information in the management decision process. Topics discussed are product costing, joint-cost allocation, C-V-P analysis, profit planning and control, pricing strategies, and tactical decisions.
Prereq: 210-701.
- 210-751 FINANCIAL ACCOUNTING 3 cr**
Advanced study of the theory and accounting for joint ventures, consignments, installment sales and estates and trusts. Application of actuarial science principles and procedures to business problems. A study of insolvency and receivership accounting, the principles of governmental (fund) accounting, and recent FASB Statements not covered in 210-541, 210-543 and 210-752.
Prereq: 210-543.
- 210-752 ADVANCED FINANCIAL ACCOUNTING 3 cr**
An in-depth study of (1) partnership accounting, (2) accounting for business combinations and segments of the business, (3) international aspects of accounting. A review of current issues relating to business combinations and consolidated statements. A discussion of international accounting standards.
Prereq: 210-543.
- 210-755 MANAGERIAL ACCOUNTING AND CONTROLLERSHIP 3 cr**
Managerial requirements and uses of accounting information, flexible budgeting, capital budgeting and break-even analysis. Analysis of cost-profit-volume relationships, direct costing, historical costs, current costs and price level adjustments. Includes application of regression analysis, linear programming, discounted cash flow techniques, PERT, and EOQ.
Prereq: 210-726 and 230-703.
- 210-756 CORPORATE AND SPECIAL ENTITIES TAXATION 3 cr**
An in-depth study of (1) corporate taxation, (2) partnership and subchapter S taxation, and (3) estate and gift taxation. Compliance and tax planning are both emphasized. Fundamentals of tax research are explored.
Prereq: 210-651.
- 210-761 ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS 3 cr**
A study of the theory and principles underlying the design and installation of accounting and management information systems; consideration of the integration and impact of the computer on the total information system.
Prereq: 250-705 and 210-543.
- 210-765 ADVANCED AUDITING 3 cr**
An extensive study of audit programs, standards, responsibilities and controls. A review of AICPA releases and publications. Consideration of the impact of the computer and the uses of statistical sampling techniques on auditing procedures and practice.
Prereq: 210-761 and 210-543.
- 210-781 ADVANCED ACCOUNTING THEORY I 3 cr**
A study of accounting theory at the advanced level. An in-depth study of accounting principles and standards with particular reference to established theory.
Prereq: 210-543 or consent of instructor.

210-789	READINGS AND RESEARCH IN ACCOUNTING Study of selected contemporary areas in accounting through readings in current research and literature. Prereq: Consent of instructor.	1-3 cr	220-647	DATA PROCESSING FOR BUSINESS TEACHERS A study of the concepts, procedures, and hardware used in business in a systems approach to data processing. An introduction to program development with BASIC programming through microcomputer and mainframe experience. An understanding of how data processing can be integrated throughout the business education curriculum.	3 cr
210-790	WORKSHOP	1-6 cr			
210-794	SEMINAR	1-3 cr			
210-798	INDIVIDUAL STUDIES	1-3 cr	220-660	PRINCIPLES OF VOCATIONAL EDUCATION History and development of vocational education both in the United States and Wisconsin are explored. The administrative structure of vocational education at the local, state, and national levels is outlined. Vocational program areas are discussed with emphasis given to issues, trends, and problems in vocational education. Meets the Department of Public Instruction's course requirement for vocational certification and fulfills one of the certification requirements of the Wisconsin Board of Vocational, Technical and Adult Education.	2 cr

BUSINESS EDUCATION AND OFFICE ADMINISTRATION (220)

220-561	MERCHANDISE MANAGEMENT Instruction concerning business functions involved in bringing goods to the retail point of sale and adjusting and merchandising stock so the retail businessman can satisfy customer demand. The course explores in depth the issues, basic concepts, problems and techniques involved in effective retail merchandising management based upon the 6-month merchandising plan.	3 cr	220-661	ORGANIZATION AND ADMINISTRATION OF VOCATIONAL PROGRAMS Study of vocational/occupational programs which utilize the internship/youth apprenticeship/cooperative method of instruction. Includes the knowledge and procedures necessary to implement the quality components of an occupational program. Current issues facing vocational education will be discussed. The cooperative method, procedures, and techniques are stressed. Meets the Department of Public Instruction's course requirement for vocational certification. Prereq: 220-460 or 220-660 or equivalent.	3 cr
220-562	VISUAL MERCHANDISING A specialized course dealing with application of principles of visual display for retail merchandise. Designed to familiarize students with aspects of visual merchandising from window and interior display standpoints. Also included are design layout techniques. Intended for students who plan to teach appropriate business courses or to work in retailing.	2 cr	220-662	COORDINATION TECHNIQUES This course covers techniques of how a vocational education teacher can successfully coordinate a vocational program using the cooperative method. Students will have the opportunity to demonstrate their skill in coordination techniques through simulation and role playing. Specific topical areas covered are how to: locate job training sites, sell the employer on program participation, articulate the classroom curriculum with the cooperative experience, evaluate the student's work performed, and supervise on-the-job problems. Prereq: 220-460 or 220-660 or equivalent.	1 cr
220-563	RETAIL SALES AND DISTRIBUTION The various methods of retail selling and distribution of products and services are covered with emphasis on the technical and psychological aspects of department store as well as small retail store distribution. Additional focus is on the concept of total customer service.	3 cr	220-690	WORKSHOP	1-3 cr
220-645	RECORDS MANAGEMENT The development of the principles of records administration including creation, use, maintenance and destruction. A discussion of storage facilities, records classification, forms and reports control, protection of vital records and micro-image systems.	3 cr	220-696	SPECIAL STUDIES	1-3 cr

- 220-701 CONSUMERS IN CONTEMPORARY SOCIETY** 1-3 cr
Study for managing personal resources; emphasis on goals, financial analysis, decision making related to acquiring goods, services, credit; protections through health, life, property and social insurances; enhancing financial position through savings alternatives, stocks, bonds, mutual funds, tax shelters; utilized microcomputer and compound interest tables in the decision process. Not to be enrolled in by those in the MBA Business Education emphasis.
- 220-738 SEMINAR IN BUSINESS COMMUNICATION** 3 cr
A course consisting of the study of levels of language, organizational techniques, the development of ideas, and clarity of expression. Frequent writing exercises and extensive analyses of actual business communication are a major part of this course. The culmination of the course is the development of an article written for publication.
- 220-751 IMPROVEMENT OF INSTRUCTION IN SKILL SUBJECTS** 3 cr
A study of current trends in the teaching of skill subjects at the secondary and post-secondary levels. Current literature and research are utilized in discussing curriculum, objectives, instructional materials, equipment and methodology.
- 220-752 IMPROVEMENT OF INSTRUCTION IN ACCOUNTING AND BASIC BUSINESS EDUCATION** 3 cr
Study of the teaching-learning system for accounting and courses involved with education about business as related to learning domains, objectives, teaching techniques, new materials, review and application of research, present status through current literature, incorporating economic education into subjects, and utilizing microcomputers as a tool for learning.
- 220-754 IMPROVEMENT OF INSTRUCTION IN BUSINESS COMMUNICATION** 3 cr
A course designed to provide help in developing a business communication course and course materials. Innovative approaches to the teaching of business communication will be explored and creative teaching materials will be developed.
- 220-755 IMPROVEMENT OF INSTRUCTION IN INTEGRATED BUSINESS SYSTEMS** 3 cr
An update on current, new and emerging innovations, practices, and procedures in teaching integrated business systems. This course is designed to assist the secondary and post-secondary teacher in understanding the latest in integrated business systems as well as current practices in teaching office procedures, business telecommunications and business data processing.
Prereq: 220-447/647, equivalent or consent of instructor.
- 220-756 IMPROVEMENT OF INSTRUCTION IN MARKETING EDUCATION** 2 cr
A study of the issues, trends, and problems that are unique to marketing education. Included as topics of study in the course would be curriculum development updates and updates on the three major support methods that are used with the related in-class instruction. Additional topics will focus on current or changing business practices in marketing occupations that could have a direct impact on the marketing education curriculum.
- 220-758 TRENDS IN BUSINESS TEACHING — SECRETARIAL** 2 cr
Designed to improve classroom instruction in the office occupations area through an evaluation of research and current literature.
- 220-762 CURRENT PROBLEMS IN BUSINESS EDUCATION** 1-3 cr
A study of the problems currently confronting the supervisor, teacher, and students of business education on the middle, secondary and postsecondary level. Includes a study of curriculum development and objectives of business education.
- 220-764 ADMINISTRATION AND SUPERVISION OF BUSINESS EDUCATION** 3 cr
Administration and supervisory problems of business education programs in secondary and post-secondary schools. Topics include determining goals and objectives; building strategies and curriculum to reach the goals and objectives; evaluation systems; and leadership skills in building team consensus and motivation.
- 220-765 OCCUPATIONAL INFORMATION AND VOCATIONAL GUIDANCE** 3 cr
Study of guidance and career selection procedures appropriate for use with students in grades K-14; includes occupational information, career exploration techniques, and employment opportunities for the new employee and those retraining.

- 220-767 OFFICE COMMUNICATIONS, SYSTEMS, AND PROCEDURES** 3 cr
The modern office as the center of communications for the business enterprise. Exploration of worker competencies necessary for employment in the office of today. Designed for business teachers in secondary and post-secondary schools who are concerned with preparing students for office occupations.
- 220-772 OFFICE AUTOMATION TECHNOLOGY** 3 cr
An overview of office systems—technology, people, and procedures—with a special focus on technologies. This course is designed to assist the student in understanding the major technologies involved in an office system with emphasis on the role of the End User System analyst.
- 220-773 HUMAN FACTORS IN OFFICE AUTOMATION** 3 cr
The study of how automated technology affects the worker. Specific emphasis will be on incorporating human factors into office automation by considering changing social, workplace, and communication patterns; e.g., electronic offices, telecommuting, ergonomic office design.
Prereq: 220-772
- 220-775 BUSINESS TELECOMMUNICATIONS** 3 cr
The business analyses of the multi-faceted regulatory issues, economic factors, management practices, and technological forces underpinning the telecommunications and information systems industry. The course is equally concerned with providing the student with the analytical tools and industry trends that will facilitate continued study and analyses of telecommunications after completion of the course.
- 220-778 SEMINAR IN OFFICE MANAGEMENT** 3 cr
The study of advanced concepts and issues relative to office systems management. Specific emphasis will be on the application of various management styles, delegation of authority, negotiation techniques, and conflict resolution.
Prereq: 220-772 and 220-773
- 220-779 OFFICE SYSTEMS: CASE STUDIES** 3 cr
A final course for office systems integrating knowledge in areas such as human factors in technology, telecommunications, office automation, reprographics, and word and data processing to plan, design, and implement office systems.
Prereq: 220-772, 220-773, 220-775 and 220-778
- 220-790 WORKSHOP** 1-3 cr
- 220-793 OCCUPATIONAL EXPERIENCE** 1-3 cr
Designed to be undertaken by qualified business teachers and prospective teachers through participation in a coordinated work-study program in certain business offices or retail establishments. This course correlates classroom training and experience with office or marketing experience and standards.
Prereq: Advance approval of instructor.
- 220-794 SEMINAR** 1-3 cr
- 220-796 SPECIAL STUDIES** 1-6 cr
- 220-798 INDIVIDUAL STUDIES** 1-3 cr
- 220-799 THESIS RESEARCH** 1-3 cr
- ECONOMICS (230)**
- 230-545 BUSINESS STATISTICS II** 3 cr
Development of probability theory and distributions, frequency and sampling distributions, inferential statistics including estimation, hypothesis testing and Bayesian techniques, decision theory under uncertainty, multiple correlation and regression, time series analysis, analysis of variance, and statistical use of computers. Applications oriented to business and economics.
Prereq: 230-245.
- 230-604 HISTORY OF ECONOMIC THOUGHT** 3 cr
A study of the development of economic ideas, with emphasis on classical, neoclassical, socialist, Keynesian and institutional schools of thought.
Prereq: 230-211, 230-212.
- 230-611 INTERMEDIATE MICROECONOMIC ANALYSIS** 3 cr
Price and modern microeconomic theory, pricing of products and factors of production under different market structures; modern approaches to theories of consumption and production; general equilibrium theory.
Prereq: 230-212.
- 230-612 INTERMEDIATE MACROECONOMIC ANALYSIS** 3 cr
Income and modern macroeconomic theory; general aggregative systems; national income determination theory; composition and measurement of the national income; analysis of income generation; government policy.
Prereq: 230-212.

- 230-638 URBAN ECONOMICS 3 cr**
Focuses on the important aspects of urban economics: the theory of housing, location, property values and race, slums and urban renewal, public policy and the urban environment. Practical aspects of proposed solutions.
Prereq: 230-211.
- 230-641 INDUSTRIAL ORGANIZATION AND COMPETITIVE STRATEGIES 3 cr**
Application of economic theory and analysis to case studies in American industry in terms of market structure, market conduct, and industry performance. Analysis of the ways business firms and markets are organized and interact, assessment of the outcomes of various types of firm behavior and the performance of markets, and evaluation of the causes and types of market failures.
Prereq: 230-212 or consent of instructor.
- 230-651 THE ECONOMIES OF ASIA 3 cr**
A comparative study of the economic structures, institutions and processes of the nations of Asia with relevant historical perspective. Emphasis on current economic policies and business climate. Students may study specific countries in detail.
Prereq: 230-211 and 230-212.
- 230-659 COMPARATIVE ECONOMIC SYSTEMS 3 cr**
Study of the modern theories of capitalism and socialism and their variants. Examination of the origin, organization, operation and performance of alternative economic systems. Contemporary economies considered are those of United States, Russia, China, Japan and selected economies from Eastern and Western Europe. Emphasis is on reform efforts in these economies.
Prereq: 230-212.
- 230-690 WORKSHOP 1-3 cr**
- 230-694 SEMINAR 1-3 cr**
- 230-696 SPECIAL STUDIES 1-3 cr**
- 230-703 STATISTICS FOUNDATIONS 3 cr**
Introduction to descriptive statistics and basic statistical methods as applied to scientific problem solving and decision making. Topics covered include: Descriptive statistics, elementary probability theory, theoretical distributions, sampling distributions, estimation, tests of hypothesis, simple linear regression and correlation analysis, and index numbers.
- 230-704 ECONOMIC FOUNDATIONS 3 cr**
A study of micro and macro-economic tools of analysis. The functioning of a market economy in product and factor markets under alternative market structures. National income, fiscal policy and the role of the money supply.
- 230-734 ECONOMIC CONCEPTS FOR TEACHERS (4-8) 3 cr**
This course is designed to introduce teachers to selected economic concepts and principles deemed fundamental to economic understanding, and to provide for the development of teaching related materials which will permit teachers to bring their newly acquired economic understanding to the student. Special attention will be given to the use of video and microcomputer equipment.
- 230-736 BUSINESS CONDITIONS ANALYSIS 3 cr**
A study of the macroeconomic structure and operations of the economic system. Analysis of fluctuations in national income, output, employment, and prices and the implication of such changes for business decisions. Evaluation of the influence of monetary and fiscal policies on economic activity. Assessment of the various approaches and methodologies available for forecasting business conditions.
Prereq: 230-704.
- 230-737 MANAGERIAL ECONOMICS 3 cr**
Applications of microeconomic theory to problems of formulating managerial decisions. Emphasis on economics as a science that facilitates decision making. Topics considered include optimization techniques, risk analysis and estimation of demand and costs of production, market structures and pricing practice, and antitrust economics. Integrates theory and practice.
Prereq: 230-703, 230-704, and 260-702.
- 230-751 ECONOMICS OF REGULATION 3 cr**
The rationale for government regulation and intervention in different situations. Antitrust policy. Several different models of regulation. The economic effects of regulation on public utilities, transportation, pollution control, protection of consumers.
Prereq: 230-704.
- 230-758 ADVANCED INTERNATIONAL ECONOMICS 3 cr**
A study of international trade and finance issues; multinational enterprises, international investments, currency problems, balance of payments issues. Analyzes the structure and scope of world trade and international financial markets in developed and developing countries.
Prereq: 230-704.

- 230-761 BUSINESS AND ECONOMIC FORECASTING** 3 cr
Techniques for operational business forecasting with emphasis on time-series methods. Topics covered include single and multiple regression models; trend analysis; smoothing techniques, decomposition methods; Box-Jenkins time series methods; evaluation of forecasts; and the integration of forecasting in the decision-making process.
Prereq: 230-703, 230-704.
- 230-767 ADVANCED MANAGERIAL ECONOMICS** 3 cr
The course approaches managerial economics from a decision-making perspective. Discussion of the logic of mathematical tools and decision making. Demand, production, costs and pricing; functional forms, empirical results, problems of estimation. Pricing and decision making in public enterprises. Input-output analysis. Current research is emphasized.
Prereq: 230-737.
- 230-789 READINGS AND RESEARCH IN ECONOMICS** 3 cr
Directed readings in current research and literature selected to apply to a contemporary economic field, problem or issue.
Prereq: Graduate standing and consent of instructor.
- 230-790 WORKSHOP** 1-6 cr
- 230-794 SEMINAR** 1-3 cr
- 230-798 INDIVIDUAL STUDIES** 1-3 cr
- 230-799 THESIS RESEARCH** 1-6 cr
Prereq: Graduate standing and 28 credits in undergraduate and graduate economics courses. Some of these may be taken concurrently with approval of adviser.
- 240-646 INSURANCE** 3 cr
Principles of risk and insurance and their applications to business management and personal affairs. Analysis of concepts and methods of handling risks; insurance carriers and contracts; survey of policies for fire insurance, business interruption, liability, automobile, life and health.
Prereq: 240-344 or consent of instructor.
- 240-656 SECURITY ANALYSIS** 3 cr
A detailed examination of the various classes of securities available for investors, and the development of techniques used to reach dependable conclusions as to the safety and attractiveness of a given security at the current market price or at some assumed price.
Prereq: 240-345.
- 240-660 ADVANCED PROPERTY AND CASUALTY INSURANCE** 3 cr
Consideration of advanced topics in property and casualty insurance. Among those items covered are direct and indirect property coverages, inland marine insurance, liability coverage, including its legal foundations, workmen's compensation, the general liability contract, crime coverages, surety and fidelity bonding and insurance regulations.
Prereq: 240-446 or consent of instructor.
- 240-664 ADVANCED LIFE AND HEALTH INSURANCE AND PENSIONS** 3 cr
Consideration of advanced topics in life and health insurance. Among those topics covered are principles underlying life insurance, individual life insurance contracts, business uses of life insurance, fixed and variable annuities, individual health coverages, group insurance principles and uses, and pensions.
Prereq: 240-446 or consent of instructor.
- 240-690 WORKSHOP** 1-3 cr
- 240-696 SPECIAL STUDIES** 1-3 cr

FINANCE AND BUSINESS LAW (240)

- 240-620 BANK ADMINISTRATION** 3 cr
Commercial banking, principles and practices, comprehensively treated with emphasis on operations and administration, bank services, credit analysis, loan and investment policies, profit planning and control. This course cannot be used to satisfy the MBA degree requirement.
Prereq: 240-344.
- 240-642 ESTATES AND TRUSTS** 3 cr
A study of the law relating to real and personal property, wills, estates, trusts and the responsibility of fiduciaries in handling other people's assets.
Prereq: 240-341 or consent of instructor.
- 240-718 FINANCIAL MANAGEMENT** 3 cr
Consideration of the finance function as it relates to other organizational roles, the use of capital budgeting techniques, other quantitative methods, and model building in decision making.
Prereq: Graduate standing, 240-344, or 210-701. Not open to those who have an undergraduate finance degree.

- 240-721 THE LEGAL ENVIRONMENT OF BUSINESS** 3 cr
Macro Law (the nature, formation, and application of law in general) stressed in the environmental approach. The course includes the study of legislation relating to consumer protection, product liability, labor law, securities regulation, and antitrust legislation.
- 240-731 ADVANCED TRUSTS AND ESTATES** 3 cr
This course will involve an advanced, in depth, study of the law which relates to the field of probate, including the legal responsibilities of trustees, guardians, personal representatives, conservators and other fiduciaries.
Prereq: 240-721 or 240-341. Credit for Estates and Trusts: 240-442/240-642 and 240-731 will not be given.
- 240-739 FINANCIAL PLANNING PROCESS** 3 cr
This course explores the quantitative and qualitative aspects of the Personal Financial Planning process. It includes study of the following areas: determining financial objectives, formulating investment objectives, tax planning, insurance planning, retirement planning and estate planning.
Prereq: 240-718.
- 240-750 REAL ESTATE FINANCE AND INVESTMENT** 3 cr
Consideration of the institutional environment affecting the financing and ownership of real estate. Detailed evaluation of both the nature of and the risks associated with lender and investor yields from real estate investment.
Prereq: 240-718 or consent of instructor.
- 240-755 MULTINATIONAL BUSINESS FINANCE** 3 cr
An advanced course of international financial principles covering major macroeconomic factors affecting international corporate decisions, foreign exchange transactions, hedging strategies, international capital structure decisions, capital budgeting, international financial markets and taxation.
Prereq: 240-344/240-718 or equivalent.
- 240-760 FINANCIAL MARKETS** 3 cr
Structure and operation of the markets for corporate debt and equity securities, municipal obligations and mortgages. Detailed examination of stock markets and their use by investors.
Prereq: 240-344 and 240-345 or 240-718.
- 240-770 CAPITAL BUDGETING** 3 cr
Financial planning for working capital management and long range investment projects. Emphasis on capital budgeting problem solving. Readings on capital budgeting and related topics; cost of capital structure, and dividend policy.
Prereq: 240-718 or concurrent enrollment.
- 240-780 PORTFOLIO THEORY AND PRACTICE** 3 cr
Formulation of objectives and the development of portfolios to meet these objectives for individuals and institutions. Special attention will be focused on statistical and analytical techniques for portfolio selection and management.
Prereq: 240-718 and 260-731 or consent of instructor.
- 240-789 READINGS AND RESEARCH IN FINANCE** 3 cr
Selected readings in current periodicals and publications chosen to deal with contemporary problems and issues in investments, banking institutions and financial management.
- 240-790 WORKSHOP** 1-6 cr
- 240-794 SEMINAR** 1-3 cr
- 240-798 INDIVIDUAL STUDIES** 1-3 cr
A student may satisfy up to 3 credits of the 9 credit emphasis by pursuing this course with one or more members of the graduate faculty. A copy of the proposal must be on file in the chairman's office prior to registration.
- 240-799 THESIS RESEARCH** 1-6 cr
Prereq: Graduate standing and 28 credits in undergraduate and graduate economics courses. Some of these may be taken concurrently with approval of adviser.

MANAGEMENT (250)

Field trips may be required for any of the courses. Students should check with the Associate Dean, College of Business and Economics, to find out when courses will be offered and the current prerequisites.

- 250-551 PRODUCTIVITY ANALYSIS** 3 cr
Deals with key functions of Work Simplification and Work Measurement in implementing cost reduction. Work Simplification training programs have proven especially successful in a wide variety of companies. Work Measurement often establishes the required time for an operation. Standard Data and Methods Time Measurement are additional areas studied.
Prereq: 250-306 or con reg.

- 250-696 SPECIAL STUDIES** 1-3 cr
A limit of three credits can be applied toward a major or six credits toward degree.
Prereq: Consent of instructor.
- 250-705 INFORMATION SYSTEM FOUNDATIONS** 3 cr
An introductory course intended to provide a basic knowledge of information systems and computers. Includes the study of information system concepts, the use of information systems for management decision-making, the impact of information systems on management, user application development, hands-on experience, elementary programming, and productivity packages.
- 250-719 OPERATIONS MANAGEMENT** 3 cr
A survey course focusing on the performance of managerial activities entailed in selecting, designing, operating, controlling, and updating productive systems. This life-cycle approach will include treatment of non-manufacturing activities, and will draw heavily upon latest developments in the field.
Prereq: 260-702, 230-703, and 250-705.
- 250-720 ORGANIZATION THEORY AND POLICY** 3 cr
An analysis of organization theory and research. The history of organization theory and the economic, political and social influences on its development. Major theories in scientific management, classical administrative organization, neoclassical management theory and modern organization theory, and policy formation are covered.
- 250-734 INTRODUCTION TO COMPUTER BASED INFORMATION SYSTEMS** 3 cr
A course applicable to all MBA students that examines the role and nature of Computer Based Information Systems (CBIS) in organizations and investigates the effects of these systems on managerial decision making. Emphasis is placed on the analysis of business environment, planning/organizing/controlling CBIS effort, and designing/implementing in a fourth generation language.
Prereq: 250-705 or its equivalent or consent of instructor.
- 250-741 MANAGERIAL AND ORGANIZATIONAL BEHAVIOR** 3 cr
Case analysis of human problems in the business organization. Application of findings of behavioral science research to organizational problems. Development and leadership skills.
Prereq: 250-720 and 9 credits.
- 250-742 DECISION SUPPORT SYSTEMS** 3 cr
A study of computer information systems which assist managers in their problem solving and decision-making responsibilities. Emphasis is on the specification and design of such systems including user interfaces, modeling, and data analysis and design. Students will learn to use a DSS/fourth generation modeling language. Applicable to all MBA students.
Prereq: 250-734 or its equivalent.
- 250-743 DATA BASE MANAGEMENT** 3 cr
An introduction to data design and the management of data as a corporate resource. An in-depth study of the relational database model with emphasis on loading, modifying and querying the database using a host language like SQL.
Prereq: 250-734.
- 250-751 MANAGEMENT OF HUMAN RESOURCES I** 3 cr
An examination of the organization and administration of the personnel function in management. It is concerned with the employment, training, safety and health, employees services, and employee relations functions of personnel administration. Attention is focused on a limited number of topics drawn from these areas so more crucial concepts and methods involved may be dealt with in depth.
- 250-752 MANAGEMENT OF HUMAN RESOURCES II** 3 cr
An examination of compensation programs in profit/nonprofit organizations. It is concerned with a detailed study of job structures, job evaluation, performance appraisal, wage surveys, basic systems/plans of compensation, and fringe benefits. Attention is focused on a limited number of topics from these areas so more crucial concepts/methods may be dealt with in depth.
Prereq: 250-751.
- 250-754 EXPERT SYSTEMS IN BUSINESS** 3 cr
An introduction to the application of expert systems to the solution of business problems. The student learns to select business problems which can be solved through the use of expert systems. The student learns to structure expert systems to solve appropriate business problems.
Prereq: 250-742 and 250-743.

- 250-758 CONFLICT RESOLUTION IN LABOR RELATIONS** 3 cr
 Primary concern is with contract negotiation and administration. Emphasis is on understanding the forces affecting the decisions of the parties to a labor contract. A dynamic approach is taken to examine difficulties that arise in attempting to administer a collectively established relationship. Study of conflict resolution including mediation and arbitration.
- 250-759 BUSINESS AND SOCIETY** 3 cr
 Analyzes (1) a broad spectrum of social, political, ethical, and legal frameworks within which firms must function, and (2) social trends and their underlying causes as they can affect businesses. This is an elective course and will not be counted as an emphasis course in the MBA/Management emphasis. Prereq: 250-720 or 240-721.
- 250-761 OPERATIONS PLANNING AND CONTROL** 3 cr
 A case-study course focusing on major strategic operating decisions faced by production vice-presidents and their staffs. These decisions include production capacity, type of production system, vertical integration and timing of change. The requirement for operational performance which originates in the corporate planning process and the task of profit planning in various industries is considered via case studies of real world business situations. A research paper and presentation covering in depth an industry of interest to the student are required. Text and cases are used. Prereq: 250-719.
- 250-762 INVENTORY SYSTEMS** 3 cr
 A quantitative course providing a thorough treatment of the many common and most useful inventory systems and their impact on materials management. Systems covered will include purchase/production order quantity systems, fixed order size and interval systems under risk and uncertainty, and single and multiproduct stochastic models. Prereq: 250-719 and 260-731.
- 250-768 MANUFACTURING POLICY** 3 cr
 A course focusing on the strategic implications of major manufacturing decisions facing the top manager, such as the manufacturing vice-president. Different industries are explored relative to their evolving technologies, critical processes, cost structures, and competitive conditions, including global competition. Prereq: 250-719.
- 250-769 MANUFACTURING SEMINAR** 3 cr
 A quantitative course focusing on techniques that are primarily unique to the production/manufacturing area. Topics may include facility layout, line balancing, scheduling, sequencing, reliability, quality control, and others of use to the functional specialist in systems producing goods or services. A research paper and seminar presentation covering a topic of interest will be used. Prereq: 250-719.
- 250-770 ORGANIZATION DESIGN** 3 cr
 A course that examines organizational analysis implications and develops rationale for management practice, effective organizational structures through analysis of relationships of organizational variables, and firm-environment matches. Provides analysis of the major overall considerations relevant to the effective design of organizations. Prereq: 250-720 or equivalent.
- 250-771 STRATEGIC MANAGEMENT & PLANNING** 3 cr
 The course deals with practical methods and applications based upon sound theory, research, and practice of strategic management and planning, and management control and operational control systems. Comparative analysis of emerging strategic management frameworks will be examined with implications for management practice. Prereq: 250-720 or equivalent.
- 250-777 INTERNATIONAL MANAGEMENT** 3 cr
 The course deals with concepts, problems, and research in the managerial aspects of international business. Prereq: 250-720 or equivalent.
- 250-784 SIMULATION FOR MANAGERIAL DECISION MAKING** 3 cr
 A quantitative course designed to familiarize the students with the use of computer simulation. Emphasis throughout is on the use of simulation as an aid to managerial decision making. Students are taught to focus simulation studies on tractable questions, to draw conclusions from simulation results, and to bring these conclusions into the managerial context. Examples of applications in manufacturing and service industries are studied throughout the semester. Students write short simulation programs using a specialized discrete event simulation computer language, and analyze simulation generated data using statistical software. Prereq: 230-703 or equivalent, and 250-211 or 250-705 or equivalent.

- 250-788 BUSINESS POLICY AND ENVIRONMENT** 3 cr
 Study of the legal, political, social, technological and economic environment in which business operates. The course integrates this environmental study with development of organization policy concerning planning and administration of the functional activities of the business. A coverage of corporate social responsibility and business ethics is also included in this course.
 Prereq: Last semester of program.
- 250-789 READINGS AND RESEARCH IN MANAGEMENT** 3 cr
 Study of a selected area in management through readings and/or empirical research.
 Prereq: Permission of instructor and department chairperson.
- 250-790 WORKSHOP** 1-6 cr
- 250-794 SEMINAR** 1-3 cr
- 250-798 INDIVIDUAL STUDIES** 1-3 cr
 Student and adviser decide the study, with the consent of the professor in charge of the study and the approval of the College Graduate Studies Committee. Consult the Associate Dean's Office for further information/limitations.
- 250-799 THESIS RESEARCH** 1-6 cr
 Requires advance approval of the MBA Program Director.

MARKETING (260)

- 260-561 INTERNATIONAL MARKETING** 3 cr
 A survey of the structure, techniques, problems and general environment of marketing abroad. Subjects include organization, promotion, finance, legal aspects and operation.
 Prereq: 260-311 and 260-321 or 260-381.
- 260-620 CONSUMER BEHAVIOR** 3 cr
 Survey of social science theories pertinent to information processing, human behavior, and social interaction. Emphasis is placed on using this information to develop marketing strategies.
 Prereq: 260-311.
- 260-636 PURCHASING AND MATERIALS MANAGEMENT** 3 cr
 An integrated approach to the problems of inventory determination, purchasing, incoming traffic and industrial marketing from the viewpoint of the manager of materials. Cases studied.
 Prereq: 260-311.
- 260-642 PHYSICAL DISTRIBUTION SYSTEMS ANALYSIS** 3 cr
 Analysis of the problems encountered in the physical movement of goods from the end of production to the consumer. Surveyed in this course are various techniques and methods for analyzing spatial arrangements of markets, plant and warehouse location, inventory systems, selection of carrier alternatives and physical movement channels.
 Prereq: 260-311 and 230-245.
- 260-694 SEMINAR** 3 cr
- 260-696 SPECIAL STUDIES** 1-3 cr
- 260-702 MATHEMATICS FOUNDATIONS** 3 cr
 Development of analytical concepts of mathematics needed for business applications. The course is designed to help students improve their understanding of quantitative and statistical applications in business and related areas.
- 260-716 MARKETING** 3 cr
 Analysis of the institutional, behavioral, competitive, legal and intra-firm aspects of the marketing function in business and other organizations.
 Prereq: Graduate standing and Microeconomics.
- 260-731 ADVANCED STATISTICAL METHODS** 3 cr
 Applications of advanced statistical methods to managerial problems of prediction, inference, parametric and nonparametric, and decision making under uncertainty. Topics emphasized are multiple regression and time series.
 Prereq: Graduate standing and demonstrated proficiency in mathematics and statistics or 260-702 and 230-703, or 760-143, 760-243 and 230-245.
- 260-732 OPERATIONS RESEARCH** 3 cr
 Application of scientific problem solving techniques to the business decision process. The model-building process includes linear programming and its applications, both deterministic and stochastic models such as network models, queuing theory, and simulation.
 Prereq: Graduate standing and demonstrated proficiency in mathematics and statistics or 260-702 and 230-703 or 760-143, 760-243 and 230-245.
- 260-733 SEMINAR IN METHODOLOGY OF BUSINESS RESEARCH** 3 cr
 Designed to acquaint graduate students with the research process, its tools and techniques, as well as the methods which form a basis for business planning, decision making and problem solving.
 Prereq: 260-731 or consent of instructor.

- 260-735 APPLIED MULTIVARIATE DATA ANALYSIS** 3 cr
A study of selected multivariate statistical techniques and their applications in the analysis of business and marketing data.
Prereq: 260-731.
- 260-751 BUYER BEHAVIOR** 3 cr
The study and explanation of the behavior of consumers, research methods and findings from the behavioral sciences.
Prereq: 260-716 or equivalent.
- 260-760 SEMINAR IN MARKETING THEORY** 3 cr
Marketing theory is probed and analyzed in terms of its historical development, foci and the current investigation for more systematic and rigorous conceptions of the marketing process.
Prereq: 260-716 or equivalent.
- 260-761 INTERNATIONAL BUSINESS (MARKETING)** 3 cr
Fundamental aspects of international business will be studied. Emphasis is placed on decision making in an international setting and appraisal of market opportunities world-wide. Cases will be used to illustrate operational problems of multinational organizations as well as international intermediaries.
Prereq: 260-716 or equivalent.
- 260-764 SALES PLANNING AND MARKET ANALYSIS** 3 cr
Focus is directed toward the construction of an operational sales model and determination of market potential.
Prereq: 230-761 or 230-736 or 260-731 or 260-716.
- 260-770 PRODUCT AND PRICE MANAGEMENT** 3 cr
An in-depth examination of the theoretical framework and empirical findings as they relate to product and pricing decisions. The marketing tasks of new product development and old product management will be examined. Current methods of setting prices will also be discussed.
Prereq: 260-716 or equivalent, 230-737 or consent of instructor.
- 260-774 CORPORATE MARKETING PLANNING** 3 cr
Analysis of the planning process in the marketing oriented enterprise culminating with the development of a marketing plan based on a current business problem. The supportive nature of staff functions is analyzed from the viewpoint of its contribution to total marketing planning and strategy.
Prereq: 260-716 or equivalent.
- 260-780 SEMINAR IN CURRENT MARKETING TOPICS** 3 cr
Intensive and critical examination focused on a specific substantive marketing problem area. Topics will vary.
Prereq: 260-716 or equivalent.
- 260-789 READINGS AND RESEARCH IN MARKETING** 3 cr
Study of a selected area in marketing through readings and/or empirical research. Areas of study will be selected by the student in consultation with an adviser.
Prereq: Consent of instructor.
- 260-790 WORKSHOP** 1-6 cr
- 260-794 SEMINAR** 1-3 cr
- 260-798 INDIVIDUAL STUDIES** 1-3 cr
- 260-799 THESIS RESEARCH** 1-3 cr
- SCHOOL BUSINESS MANAGEMENT (290)**
- Courses marked by an asterisk (*) are designed specifically for School Business Management majors and will not apply toward the M.S.T., M.S.-Accounting, or the M.B.A. degrees except by special permission of the major or emphasis department.
- 290-770 SCHOOL FINANCE AND ACCOUNTING*** 3 cr
For administrators and other educators who desire to learn the principles and concepts of school finance, of school business and fiscal affairs, of school budgeting and of school accounting practices and procedures. Restricted to students admitted to School Business Management degree program or with consent of program coordinator.
- 290-771 SCHOOL BUSINESS MANAGEMENT TECHNIQUES*** 3 cr
Designed specifically for prospective school business managers and other school administrators who desire to become acquainted with various management concepts and techniques in school business operations and with applications that can utilize machine systems for efficient operations.
Prereq: 290-770. Restricted to students admitted to School Business Management degree program or with consent of program coordinator.

- 290-772 LEGAL ASPECTS OF EDUCATION** 3 cr
433-772 Seeks to present in nontechnical language to educational practitioners legal information on all facets of school operations, including the liability of school districts and employees, school fund and indebtedness, administration, pupil governance, retirement benefits, and employment relations.
- 290-773 SCHOOL PLANT PLANNING*** 3 cr
 A study of school plant needs of the local district: School buildings survey, site selection, estimating enrollments, economy, modernization of old school buildings and functional planning of various areas of the school building.
- 290-775 ADMINISTRATION AND ORGANIZATION OF THE PUBLIC SCHOOLS** 3 cr
433-775 A survey of the foundation, organization and administration of the American public school system. Designed for teachers, administrators, and school business managers.
- 290-777 SCHOOL AUXILIARY SERVICES MANAGEMENT** 3 cr
 This course is designed for students seeking background knowledge and training in the management of school auxiliary services. The course emphasizes the processes and procedures necessary in the management of food services operations, school transportation operations and plans/maintenance operations. Restricted to students admitted to School Business Management degree program or with consent of program coordinator.
- 290-778 INTERNSHIP IN SCHOOL BUSINESS MANAGEMENT** 1-6 cr
 The internship is a clinical experience which provides prospective school business managers with varied opportunities to learn in an actual school setting. The internship is normally an 18-week assignment in a local school system. Applications must be made one semester in advance of the desired internship period. Prereq: 290-770, or two of the following: 290-771, 290-776, or 290-772.
- 290-782 COLLECTIVE NEGOTIATION IN EDUCATION** 3 cr
 Designed for school administrators and other educators who desire to learn the principles and concepts, and acquire the skills needed in collective negotiations and contract management in the public schools. Prereq: 290-772 or consent of instructor.
- 290-788 THE LAW AND ATHLETIC ADMINISTRATION** 2 cr
448-788 The course is designed to examine case law, State and Federal laws, State and Federal regulations and association regulations pertaining to the administration of school sports program.
- 290-790 WORKSHOP** 1-6 cr
290-794 SEMINAR 1-3 cr
290-798 INDIVIDUAL STUDIES 1-3 cr
290-799 THESIS RESEARCH 1-6 cr
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- ## COLLEGE OF EDUCATION
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- ### COMMUNICATIVE DISORDERS (510)
- 510-550 NORMAL LANGUAGE DEVELOPMENT FOR TEACHERS OF EXCEPTIONAL EDUCATIONAL NEEDS STUDENTS** 2 cr
 By surveying information from a variety of sources, this course provides an overview of oral language development in the areas of phonology, morphology, semantics, syntax, and pragmatics. Participation in the course enables future teachers to interact more effectively in their classrooms and provides them with foundation for studying disordered language. Prereq: Special Education major or consent of instructor.
- 510-560 LANGUAGE DISORDERS IN CHILDREN WITH EXCEPTIONAL EDUCATIONAL NEEDS** 2 cr
 This course surveys the particular phonological, morphological, semantic, syntactic, and pragmatic rules exhibited by students with exceptional educational needs (e.g., the learning disabled, developmentally delayed, and autistic). Participation in the course enables future teachers to apply course content in individual and group interactions with language disordered students. Prereq: 662-350/550 or consent of instructor.
- 510-580 SPEECH AND LANGUAGE DEVELOPMENT IN THE CHILD** 3 cr
 The study of normal speech and language development as seen through literature trends in anthropology, sociology, psychology, psycholinguistics, speech and hearing sciences, and education.

- 510-585 FLUENCY DISORDERS 3 cr**
A study of the theoretical, clinical and experimental approaches to such fluency disorders as stuttering and cluttering.
Prereq: 662-376.
- 510-624 ORGANIC SPEECH DISORDERS 3 cr**
This course provides a basic understanding of how structural malformations of the vocal tract influence speech and voice production. The primary focus of study is on applying the principles of speech and voice science to communication deficits associated with structural changes in the vocal tract (voice disorders, craniofacial anomalies, dysphagia).
Prereq: 662-278 and 662-375.
- 510-626 NEUROGENIC COMMUNICATIVE DISORDERS 3 cr**
This course provides a basic understanding of the neuroanatomic and neurophysiologic mechanisms underlying speech and language. The primary focus of study is on neuropathologies and how they influence brain/language relations (aphasia, dementia) and sensorimotor control for speech and swallowing (dysarthria, dysphagia).
Prereq: 662-278 and 662-375.
- 510-644 OCCUPATIONAL HEARING CONSERVATION 3 cr**
An introductory course dealing with the many facets of an occupational hearing conservation program that includes the parameters of sound, the ear and hearing, introduction to noise problems, audiometric test procedures and practice, selection and fitting of hearing protectors, occupational safety and health administration regulations and proposed noise standards, medicolegal and compensation aspects for the employer and data management.
- 510-660 PRACTICUM IN COMMUNICATIVE DISORDERS 3 cr**
Supervision is provided for different practice experiences: observation of communicative disorders, clinical work on-campus and/or off-campus, and practitioners supervising others. Client availability, student level of academic and clinical training, and supervisory expertise will influence student enrollment and section assignment. This course is repeatable until the student has completed required clinical hours. Only 6 credits may count towards the major.
- 510-672 ASSESSMENT IN COMMUNICATIVE DISORDERS 3 cr**
This course will introduce the student to the theoretical and practical aspects of the diagnostic process in speech/language pathology. The student will learn how to design and implement a diagnostic evaluation. Emphasis will be placed on the development of skills in obtaining and reporting information in both verbal and written formats. The student will be given an opportunity to explore the dynamics of the client/family/clinician relationship within the diagnostic setting.
- 510-681 INTRODUCTION TO ASSESSMENT AND INTERVENTION IN LANGUAGE DISORDERS 3 cr**
Material covered includes informal assessment procedures in the areas of morphology, semantics, syntax, and pragmatics. Students use these procedures to evaluate individuals in the birth to adolescent age range. They study issues related to theories and practices in language intervention. Students develop language intervention programs and practices and explore means of evaluating their effectiveness.
- 510-682 AUDIOMETRY 3 cr**
This course is designed to provide information regarding the disorders of hearing and how different auditory evaluation procedures of the auditory system aids in the identification of specific types of hearing disorders. Training in performing different audiological testing procedures is provided as well as the interpretation of auditory test results.
Prereq: 662-381.
- 510-683 AUGMENTATIVE AND ALTERNATIVE COMMUNICATION 3 cr**
This course surveys the variety of alternatives to speech for communicating as well as the methods for augmenting residual speech skills. Participation in the course will lead to a basic understanding of historical and current approaches to augmentative and alternative communication, to the development of basic skills for evaluating and providing treatment programs for nonspeakers, and to an awareness of advocacy procedures for the nonspeaking population.
Prereq: Consent of instructor.
- 510-690 WORKSHOP 1-6 cr**
- 510-691 TRAVEL STUDY 1-3 cr**
- 510-694 SEMINAR 1-6 cr**
- 510-696 SPECIAL STUDIES 1-3 cr**
Prereq: Consent of instructor.

- 510-709 SEMINAR IN COMMUNICATIVE DISORDERS** 3 cr
 Identification and consideration of significant issues in communicative disorders. The course is geared to the professional development of the speech and language clinician and focuses on such content areas as the acoustically handicapped, oral language problems, voice disorders, fluency disorders, neurological disorders such as aphasia and cerebral palsy, cleft palate and special therapeutic and diagnostic problems. Content areas will change each semester and the course may be repeated with a change of content.
 Prereq: Consent of instructor.
- 510-710 SPEECH AND LANGUAGE TREATMENT IN CLINICAL ENVIRONMENTS** 3 cr
 A study of professional and research literature pertinent to the various clinical environments, with emphasis on the school environment, and the special problems that confront the speech-language pathologist in these environments such as hospitals, public schools, etc.
 Prereq: Consent of instructor.
- 510-711 THE DYSARTHRIAS** 3 cr
 Study of the neurophysiology underlying speech and the neuropathologies which lead to the dysarthrias. Evaluation and management of the dysarthrias are emphasized, and relevant experimental research literature is examined.
- 510-712 RESEARCH METHODS IN COMMUNICATIVE DISORDERS** 3 cr
 A course in the methods of research in communicative disorders including the need for scientific research; the nature of scientific research; methods underlying the research process; the planning of a research paper; and considerations in interpreting research results.
- 510-713 SEMINAR IN LANGUAGE DISORDERS; ADVANCED ASSESSMENT AND INTERVENTION** 3 cr
 This course will explore current trends in assessment and intervention for language disordered children from birth to adolescence. The students will review recent research literature in childhood language disorders and apply this information to the clinical setting.
 Prereq: 662-480/680.
- 510-714 SUPERVISION IN COMMUNICATIVE DISORDERS** 3 cr
 The study of the supervisory process as it relates to speech and language pathology. Emphasis is on the theories and techniques of observation, interpersonal communication, leadership, teaching, decision making and problem solving.
- 510-720 VOICE DISORDERS** 3 cr
 This course explores normal and abnormal voice production including anatomic, physiologic and acoustic characteristics. All students will engage in self-assessment of voice and develop awareness of the optimal use of the voice. Assessment and management of voice disorders across the lifespan will be a major emphasis.
- 510-722 NEUROGENIC LANGUAGE AND COGNITIVE IMPAIRMENTS IN ADULTS** 3 cr
 This course provides indepth study of the neuroanatomic bases for speech and language with the primary focus on aphasia and related language and cognitive disorders. Emphasis is on models of brain and language relations with the goal of understanding brain dysfunction and associated communication disabilities. Evaluation and management techniques, as well as exposure to current literature are included.
- 510-724 AURAL REHABILITATION** 3 cr
 A study of habilitation and rehabilitation procedures for the hearing impaired including techniques in speechreading, and auditory training, as well as, an examination of the psychological aspects of hearing loss.
- 510-726 COMMUNICATIVE DISORDERS ASSOCIATED WITH CRANIOFACIAL ANOMALIES** 3 cr
 This course is designed to facilitate expertise in the multidisciplinary management of communication disorders associated with craniofacial anomalies. Content will focus on craniofacial anatomy and the embryologic causes of malformation, as well as state of the art surgical, prosthetic and dental management.
 Prereq: 662-374, 662-376 or consent of the instructor.

510-728	INSTRUMENTATION IN SPEECH SCIENCE	3 cr	490-690	WORKSHOP	1-3 cr
	This course provides a basic understanding of how to acquire, analyze and interpret speech data using a variety of instruments in the speech science laboratory. The primary goal is to gain skill in objective measures relating to normal speech and voice production, with opportunities to apply these measures to select communication disorders. Emphasis will also be on design and purchase of a clinical laboratory. Prereq: Undergraduate course in speech science or its equivalent or consent of instructor.				
510-764	SPEECH AND LANGUAGE DISORDERS IN SPECIAL POPULATIONS	3 cr	490-696	SPECIAL STUDIES	1-3 cr
	This course provides students an in-depth opportunity to explore speech and language skills of communicatively impaired individuals in the birth to adolescent age range. The focus of study is on morphological, semantic, syntactic, and pragmatic aspects of language for each disorder studied. Students will apply this information in the areas of assessment and intervention.				
510-790	WORKSHOP	1-6 cr	490-718	PRINCIPLES OF COUNSELING	3 cr
510-793	PRACTICUM: FIELD EXTERNSHIP	6 cr		Principles of relationship building, conducting interviews and the counseling process are discussed and practiced in a laboratory setting. Professional issues as they relate to ethnics, legal considerations, minority concerns, and the value of professional organizations are explored. Role-playing and videotaping are used to provide feedback and experience. Prereq: Admission to the counselor education program or consent of instructor.	
510-794	SEMINAR	1-3 cr	490-719	APPRAISAL PROCEDURES IN COUNSELING	3 cr
510-796	SPECIAL STUDIES	1-3 cr		Methods of appraising individual differences will be considered. Emphasis will be placed on the utilization of measurement procedures in the counseling setting. Discussions and laboratory experiences will center on the use and interpretation of standardized and nonstandardized measures of appraisal with individuals and groups. Prereq: 490-718 or consent of instructor; concurrent enrollment permitted.	
510-798	INDIVIDUAL STUDIES	1-3 cr	490-720	CAREER DEVELOPMENT AND INFORMATION SERVICES	3 cr
510-799	THESIS RESEARCH	1-6 cr		The course focuses upon the major theories of career development and sources of occupational and educational information. The course will also cover other areas such as developmental career guidance and career education, career-development exploration techniques, approaches to career decision-making processes and the relationship between career choice and lifestyle. Students will be given opportunities to explore and become involved with career information and theories of career development. Prereq: 490-718 or consent of instructor; concurrent enrollment permitted.	
COUNSELOR EDUCATION (490, 499)					
490-650	INTRODUCTION TO COUNSELING	3 cr	490-721	GROUP PROCEDURES IN COUNSELING	3 cr
	This is a survey course intended to introduce the student to the field of counseling and guidance. An overview of the purposes, procedures, and expected outcomes of counseling and guidance programs, the counselor's role and relationship to other functionaries will be dealt with.				
490-677	COUNSELING WOMEN AND GIRLS	3 cr		A discussion and laboratory course designed to assist students to learn concepts and skills related to working with small growth groups. Group development and group dynamics are investigated through didactic assignments and participation in laboratory group. Consideration is given to the application of group procedures in specific counseling settings. Prereq: 490-718, and 490-722 or concurrently.	
	Practicing and graduate counselors and undergraduates who have had experience in working with women or counseling will analyze traditional and current theories and practices of counseling women. Alternative programs and strategies will be developed and practiced. Prereq: 840-486/686 or 860-492 or 490-718 or consent of instructor.				

- 490-722 THEORIES OF COUNSELING** 3 cr
Exploration of the prominent theories of counseling. Each participant will develop an understanding of the relationships among philosophy, theory, and practice. The course will examine psychoanalytic, humanist/existential, behavioral and cognitive-behavioral approaches, trends and issues in theory and application. Each participant will begin to identify the theoretical approach which will serve as a guideline for their practice of counseling.
Prereq: Successful completion of or concurrent enrollment in 490-718.
- 490-723 COUNSELING IN ELEMENTARY AND JUNIOR HIGH SCHOOLS** 3 cr
Counseling services and program for elementary and junior high school students as well as the role of the elementary school counselor are studied. The developmental guidance needs of all children are identified along with the specific guidance needs of particular student populations. Individual and group counseling procedures with children are examined.
Prereq: 490-718 and 490-738.
- 490-724 CAREER COUNSELING OF ADOLESCENT AND ADULT** 3 cr
Principles of counseling with adolescents and adults in employment, vocational education and rehabilitation agencies or institutions are considered. Emphasis is placed on current trends, organizational patterns of programs and the personal concerns of clients in these settings. Attention is given to procedures for counseling with persons of varying cultural, social and educational experiences.
Prereq: 490-718 or consent of instructor.
- 490-725 COUNSELING IN SECONDARY SCHOOLS** 3 cr
Counseling services and programs for secondary school students are investigated along with the role of the secondary school counselor. The developmental guidance and counseling needs of all secondary school students as well as the specific needs of particular student populations are identified. Discussions focus on individual and group counseling approaches with adolescents.
Prereq: 490-718, 490-722 and 490-738.
- 490-727 PROGRAM DEVELOPMENT, RESEARCH AND EVALUATION FOR SCHOOL COUNSELORS** 3 cr
The course focuses upon program development, implementation, and management competencies for the school counselor or guidance director. It involves development of program planning skills—formulating objectives and goals, needs assessment, and rationale. Evaluation and research competencies for school counselors will be emphasized.
Prereq: 490-738.
- 490-728 CLINICAL STUDIES IN COUNSELING** 3 cr
Principles and methods concerning study of the individual in terms of human development, learning and adjustment as these relate to counseling functions. Exploration of mental health concerns common to health care agencies. Emphasis will be on critical analysis of the literature and procedures in conducting case studies.
Prereq: 490-718 or consent of instructor.
- 490-729 STUDENT SERVICES IN HIGHER EDUCATION** 3 cr
An introductory course designed to familiarize students with basic student services, historical philosophical foundations and theories of student development. In addition some attention will be given to campus ecology and special needs of certain student subgroups.
Prereq: 490-718 or consent of instructor.
- 490-730 CONSULTING SKILLS FOR COUNSELORS** 3 cr
A course for students in school counseling designed to provide skills in consultation with school staff, parents and other community members.
Prereq: 490-738.
- 490-731 INTRODUCTION TO MARRIAGE AND FAMILY COUNSELING** 3 cr
An introductory course which provides counselors with information and skills relevant to conducting marital and family counseling services. Emphasis will be placed on the dynamics of family interaction, and the initial skills in assessment and treatment of dysfunctional marital and family relationships.
Prereq: Admission to counselor education program or consent of instructor.

- 490-732 PRACTICES OF MARRIAGE AND FAMILY COUNSELING** 3 cr
 An advanced course in counseling which focuses on various issues related to marriage and family counseling; working with couples; divorce counseling; therapy with children within a family context; remarriage and blended family systems; multi-problematic families. Emphasis will be placed on advanced assessment and procedures of intervention. Prereq: Successful completion of an introductory course or training in marriage and family counseling or comparable experience or written consent of instructor.
- 490-733 THEORY AND TECHNIQUES OF MARRIAGE AND FAMILY COUNSELING** 3 cr
 A professional course designed for individuals who are interested in family counseling as a profession. The course will focus on the major theoretical orientations of family process and the associated techniques necessary for implementation. Prereq: 490-731 or consent of instructor.
- 490-734 FAMILIES: ASSESSMENT AND TREATMENT OF ABUSIVE BEHAVIORS** 3 cr
 A professional course in counseling designed for individuals seeking advanced training in assessment and treatment of abusive family systems. Prereq: 490-731 and 490-746.
- 490-737 COUNSELING AND HUMAN SERVICES IN THE COMMUNITY** 3 cr
 This course will explore the role of the counselor in a variety of community agency settings. Historical development, professional identity, licensure and certification of counselors will be addressed. The participant will develop an understanding of the counselor's role in prevention, intervention, and consultation services, as well as, a recognition of techniques of community needs assessment.
- 490-738 PERSPECTIVES IN SCHOOL COUNSELING** 3 cr
 A course designed for students planning to become school counselors. Counseling and guidance are examined within the context of the total school structure. Roles of school counselors are considered along with those factors which impact upon counselor role. Significant topics and issues for school counselors are explored. Prereq: Admission to counselor education program or consent of instructor.
- 490-741 SOCIAL AND CULTURAL FOUNDATIONS IN COUNSELING** 3 cr
 A professional course in counseling developed to provide students with a foundational knowledge and competency base for working effectively with a social and culturally diverse clientele. Course content will include: a) multicultural and pluralistic trends including characteristics and concerns of subgroups, subgroup and societal interaction patterns and methods of conflict resolution; b) societal concern of discrimination on the basis of race, physical condition, socioeconomic status, sexual preference, ethnicity or gender. Prereq: Admission to the counselor education program or consent of instructor.
- 490-746 COUNSELING AND THE CHEMICAL DEPENDENCY PROCESS** 3 cr
 A study of alcohol and other drug abuse, the process of chemical dependency, its impact on the family and its importance in the area of counseling. This course will enable the counselor to identify and assess the substance abuser and examine the counselor's role in the prevention and intervention process. The student will learn to identify the various symptoms of progressive stages of chemical dependency and counseling modalities for treatment. Prereq: Admission to the counselor education program or consent of instructor.
- 490-747 CONSULTATION MODELS AND OUTREACH APPLICATIONS IN STUDENT SERVICES** 3 cr
 This course is designed to help counselors learn outreach methods to extend their skills to others and increase accountability. The primary methods to be covered are program development, consultation theory and skills and paraprofessional training models. In addition, special topics will be covered utilizing these methods such as leadership training, alcohol programming, orientation and dropout identification and retention.
- 490-748 ADMINISTRATION IN COLLEGE STUDENT PERSONNEL** 3 cr
 This course is designed to focus upon administration skills for professionals in student affairs. Topics covered will include ethics and standards of professional practice, managerial leadership, fiscal resource and facility management, human resource development, supervision and evaluation of student affairs professionals, legal issues, due process, collective bargaining, and environment assessment.

- 490-749 CHEMICAL DEPENDENCY-TREATMENT AND REHABILITATION** 3 cr
This course is for the student who wishes to develop and refine skills in the area of alcohol and drug counseling with interest in pursuing a counseling career in the specialty area of alcohol and drug counseling or a broader human services context. This course will help the student to gain knowledge and develop skills in individual, group, and family counseling as applied to chemically dependent client and/or family members. Special treatment needs of specific populations (i.e. adolescents, women, elderly) will also be addressed.
Prereq: Admission to the counselor education program and 490-718, 490-722, 490-746.
- 490-790 WORKSHOP** 1-6 cr
- 490-794 SEMINAR** 1-3 cr
- 490-796 SPECIAL STUDIES** 1-3 cr
- 490-798 INDIVIDUAL STUDIES** 1-3 cr
- 490-799 THESIS RESEARCH** 1-6 cr
- FIELD PRACTICUM (400)**
- 499-793 SUPERVISED PRACTICUM** 1-6 cr
Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements. (Not to be used for first-time certification.) Repeatable 2 times for a maximum of 12 credits.
- EDUCATIONAL FOUNDATIONS (420, 422, 423, 424, 426, 428)**
- FOUNDATIONS (420)**
- 420-645 HISTORY AND PHILOSOPHY OF EDUCATION** 3 cr
The development of contemporary public education from its historical backgrounds with emphasis on the evolution of education philosophy as it relates to present-day needs and practices of teachers.
- 420-709 FOUNDATIONS SEMINAR: REFLECTIONS ON EDUCATION AND TEACHING** 3 cr
This course will explore literature in the area of educational foundations to help students examine and formulate their personal philosophy of education. The relation between philosophy of education and everyday teaching practices will be emphasized.
- 420-710 EDUCATION IN A PLURALISTIC SOCIETY** 3 cr
An examination of the sociohistorical, political, and philosophic forces which influence the institution of schooling in the United States. Particular attention will be focused on the role of the school and the teacher specific to a pluralistic society.
Prereq: Admission to a licensure program.
- 420-760 COMPARATIVE EDUCATION IN OVERSEAS FIELDWORK** 1-6 cr
This course is designed to provide experienced teachers and others with the opportunity to study comparative education in an overseas schools or other educational agencies. This is an individualized program, including the opportunities to travel, meet, and work with professional educators in countries around the world.
- LIBRARY MEDIA (422)**
- 422-543 ADOLESCENT LITERATURE AND RELATED MEDIA** 3 cr
Designed primarily to acquaint the student with books and nonprint media which appeal to the adolescent interest. Emphasis will be placed on adolescent human growth and development, reading interests and principles of selection.
- 422-544 CHILDREN'S LITERATURE AND RELATED MEDIA** 3 cr
Survey of historical development of children's literature emphasis on standards for selection of materials related to the interests, abilities and needs of children and the curriculum. Open as an elective.
- 422-550 REFERENCE AND BIBLIOGRAPHY** 3 cr
Basic reference theory and an introductory survey of materials and bibliographies useful in manual and automated reference service.
- 422-551 BUILDING MEDIA COLLECTIONS** 3 cr
Principles of building collections for all types of libraries. Study of the standard bibliographies used in the selection of materials for libraries. Emphasis will be placed on the principles of selection of books and other library materials. The publishing field will be examined.

- 422-634 INSTRUCTIONAL TECHNOLOGY 3 cr**
An introduction to instructional technology as it relates to present and future curriculum objectives. Basic techniques for operating traditional and computer enhanced audiovisual equipment, producing graphic, projected and electronic media are developed including use of video systems and microcomputer applications for the classroom and media center.
Prereq: Junior standing or above.
- 422-638 UTILIZATION OF INSTRUCTIONAL TELEVISION RESOURCES 3 cr**
This course, presented at the introductory level, provides students with both experiences in hands on production of instructional programs, as well as evaluation and utilization of off-air and commercially available programs. Class time will be divided between classroom activities and studio sessions.
- 422-640 DEVELOPING LIBRARY/MEDIA SKILLS 3 cr**
This course is designed to be taken by library/media specialists, in-service teachers, public librarians, and the pre-service library/media specialists who may wish to develop skills to effectively serve the users of the Instructional Media Center.
- 422-641 COMPUTER APPLICATIONS IN THE LIBRARY AND MEDIA CENTER 3 cr**
This course prepares students to identify and critically select available library hardware and software through the process of analysis of needs, design and evaluation of currently available systems and services.
Prereq: 422-434/634 or consent of instructor.
- 422-651 CLASSIFICATION AND CATALOGING 3 cr**
Introduction to bibliographic control of library media materials. Study of the principles governing the classification of print and non-print library materials emphasizing the Dewey Decimal Classification and the basic methods of descriptive cataloging according to new standards, as well as subject headings and filing procedures.
- 422-654 LIBRARY AND MEDIA CENTER ADMINISTRATION 3 cr**
Organization and administration of libraries and school media centers. Includes the study of library objectives and theory and practice of acquiring, processing, disseminating, and housing all types of educational materials according to management principles.
- 422-715 CURRENT TRENDS IN YOUNG PEOPLE'S K-12 LITERATURE AND RELATED MEDIA 3 cr**
The course is structured so that students will be introduced to a variety of selections from contemporary media and from the viewpoints of the ideas expressed by teachers and bibliographers of the current literature for young people.
Prereq: Previous course in the field, educational experience or consent of instructor.
- 422-751 ADMINISTRATION OF EDUCATIONAL MEDIA PROGRAMS 3 cr**
This course addresses the competencies needed by those seeking to become district library, media and technology coordinators. Students will consider administrative issues, policies and practices pertinent to operation of effective information, media and technology programs in schools. These include such aspects as: the development of a vision that supports the overall objectives of schools; leadership and group dynamics; long-range planning; facilities and services; staff development; fiscal management; the selection, distribution and coordination of resources; and the role of professional organizations and state agencies.
- 422-754 ADVANCED DESIGN AND PRODUCTION OF INSTRUCTIONAL MATERIALS 3 cr**
Designed to develop advanced skills in the production of graphic materials in electronic and print environments. Techniques include lettering, mounting, layout, duplication, and projection.
- 422-755 HYPERMEDIA IN SCHOOL LIBRARY MEDIA AND TECHNOLOGY PROGRAMS 3 cr**
The most significant aspect of digital multimedia is that it is potentially interactive, integrative and non-linear. This course will address the changing structure of information and the technologies and systems for its access. It will prepare participants to evaluate, acquire and use hypermedia products and to consider the ways in which they support different approaches to learning. Emphasis is on the ways in which hypermedia can support different learning styles, innovative curricula and information power for students. The course combines theoretical discussion with hands-on project work.
Prereq: 422-434/634 or consent of instructor.
- EDUCATIONAL PSYCHOLOGY AND DEVELOPMENT (423)**
- 423-522 PRE-SCHOOL CHILD DEVELOPMENT 3 cr**
A study of theory and principles of development and learning from conception to age eight; techniques of observing and the role of play in development.

- 423-523 LIFE-SPAN DEVELOPMENT FOR EDUCATORS** 3 cr
The course is designed to encourage knowledge and understanding of the central factors in life-span development. Major concerns involve physical, cognitive/mental, social/personal and emotional development. The course should be of particular interest for educators and counselors, and persons working in the helping professions.
- 423-664 EDUCATIONAL METHODS OF TEACHING FOR THINKING** 3 cr
This course is intended to raise awareness of the variety of models, processes and techniques available for enhancing student thinking. Focus will be on skills training and applications of models and techniques. Demonstrations of applications and processes in teaching classroom content will be available. Skills to be stressed include higher-order thinking, divergent-production, strategic reasoning, scientific inquiry and problem solving. Emphasis is on their use in teaching the regular curriculum.
- 423-665 THE EDUCATIONAL PSYCHOLOGY OF CRITICAL THINKING SKILLS** 3 cr
This course focuses on the teaching/learning strategies which facilitate critical thinking within the classroom. The cognitive psychology underlying the processes is studied along with relevant research findings. Critical thinking processes which are explored include deductive and inductive reasoning, questioning, problem solving and decision making. Emphasis is on the integration of thinking skills and classroom content.
- 423-674 INCREASING STUDENT MOTIVATION TO LEARN** 3 cr
This course is designed to help educators gain an understanding of the developmental and psychoacademic needs of students, analyze educational practices that may undermine the fulfillment of these needs in traditional classrooms, and explore structural changes and instructional strategies that support the needs of all students, thereby increasing their motivation to learn in school.
Prereq: Upper division standing or graduate standing.
Unreq: 423-774
- 423-678 ADOLESCENT DEVELOPMENT** 3 cr
Adolescent Development acquaints students with the major theories related to adolescent development and helps students interpret the theories in ways which are meaningful in understanding and working with adolescents. Focus is on the changes of adolescence with special attention given to the biological, cognitive, social and emotional systems.
- 423-681 HUMAN ABILITIES AND LEARNING** 3 cr
This course is designed to help educators comprehend and apply the fundamental psychological principles underlying the teacher-learning process. Among the areas considered are motivation, classroom management, instructional applications, individual differences and creativity.
- 423-682 EDUCATIONAL STATISTICS** 3 cr
Designed for students at the senior or graduate level who have no statistical background. Emphasis is on measure of central tendency and dispersion, correlational techniques, linear regression, probability, hypothesis testing, chi-square, analysis of variance and covariance and an overview of non-parametric techniques.
- 423-683 TEACHING STRATEGIES** 3 cr
This course is designed to assist teachers at all levels to develop a variety of teaching strategies for use in the classroom.
- 423-752 INSTRUCTIONAL DESIGN** 3 cr
This course will help students design the classroom experiences for implementing modern curricula using appropriate technology. Working cooperatively, and using specific Wisconsin schools as case studies, students will approach the design of instruction in specific schools from the ideal state and from four, different assumption sets.
Prereq: 422-434/634 or equivalent.
- 423-763 EDUCATIONAL PSYCHOLOGY OF TEACHING THE GIFTED: ALTERNATIVE LEARNING APPROACHES FOR THE GIFTED** 3 cr
This course is designed to help present and future educators of the gifted acquire the knowledge and skills necessary to accommodate the learning needs of gifted students. The focus of the course will be the psychological underpinnings for a variety of educational prescriptions which allow the gifted to learn faster and in greater depth. The course includes a comprehensive review of theoretical models and the research-support base behind each model.
Prereq: 480-426/626 or consent of instructor.

- 423-764 EDUCATIONAL PSYCHOLOGY OF THE GIFTED: THE DEVELOPMENT OF EDUCATIONAL PROGRAMS FOR THE GIFTED** 3 cr
This course is intended for all school personnel—administrators, teachers, counselors, social workers—who interact with talented, gifted, and creative students. It will focus on the following aspects of gifted program development and implementation: issues in programming for gifted students, a survey of educational programs for the gifted, talented, and creative, evaluation of strengths and weaknesses of various models, processes by which programs might be implemented, and advocacy for gifted programming within both school and community.
- 423-778 EDUCATIONAL PSYCHOLOGY: MASTERY LEARNING** 3 cr
This course will provide students with an understanding of the psychological and theoretical assumptions underlying the concept of mastery learning. Several mastery learning models will be examined, and problems associated with implementation of mastery learning in school settings will be considered.
- MEASUREMENT AND RESEARCH (424)**
- 424-621 EDUCATIONAL MEASUREMENT, RESEARCH AND EVALUATION** 3 cr
This course includes the techniques of measurement, application of measurement and evaluation to the teaching-learning process, basic methods of research and the analysis of data, and an emphasis on the teacher as a consumer of educational research.
- 424-624 MEASUREMENT AND EVALUATION IN THE ELEMENTARY SCHOOL** 3 cr
This class is designed for special education and elementary education majors. It includes teacher testing and assessment of students, basic statistical procedures, the use and interpretation of standardized tests, appropriate use of observational techniques and various grading and reporting systems.
- 424-625 MEASUREMENT AND EVALUATION IN THE SECONDARY SCHOOL** 3 cr
This class is designed for secondary education majors. It includes teacher testing and assessment of students, basic statistical procedures, secondary school use of standardized tests, appropriate use of observational techniques, and various grading and reporting systems.
- 424-740 TECHNIQUES OF RESEARCH** 3 cr
A basic course in the methods of research in education, including a study of the literature and techniques of research, the planning of a research paper, the basic types of research and design; a brief introduction to the statistics used in research; and the elements included in program evaluation.
- 424-743 IMPROVING CLASSROOM TESTING** 3 cr
Improving Classroom Testing focuses on more effective classroom assessment. The course consists of writing instructional objectives for students at different skill ability levels, measuring these objectives by writing effective test items, scoring and grading procedures, and the analysis of classroom tests to improve their validity.
Prereq: A basic course in measurement or its equivalent.
- SPECIALIZED STUDIES (426)**
- 426-690 WORKSHOP** 1-6 cr
- 426-696 SPECIAL STUDIES** 1-3 cr
- 426-790 WORKSHOP** 1-6 cr
- 426-794 SEMINAR** 1-3 cr
- 426-798 INDIVIDUAL STUDIES** 1-3 cr
- 426-799 THESIS RESEARCH** 1-6 cr
- HUMANISTIC STUDIES (428)**
- 428-607 CENSORSHIP AND AMERICAN EDUCATION** 3 cr
The course will review the nature of censorship in schools and libraries and explore the rights and responsibilities of educators and librarians to protect and assure the rights of students, teachers, librarians, and parents in a pluralistic democratic society.
- 428-672 MODELS OF ACCELERATED CLASSROOM LEARNING** 3 cr
This course is intended to instruct teachers how to use the latest "whole brain" learning theories and techniques in the classroom. It will employ accelerated learning, whole brain instruction, positive and holographic learning.

- 428-673 HUMAN INTERGROUP RELATIONS FOR EDUCATORS** 3 cr
The course is for teachers who deal with students who are culturally different. This includes racial, handicapped, disadvantaged and nontraditional learner population. The emphasis of the course will be on attitudes, feelings and values of both the teacher and the learner.
- 428-675 UNDERSTANDING AND DEALING WITH DISRUPTIVE CLASSROOM BEHAVIOR** 3 cr
Designed to give students an opportunity to discuss the various theoretical approaches to handling disruptive behavior in the classroom and to apply these approaches to actual problem situations. Emphasis will also be placed on the prevention of behavior problems through the development of effective classroom procedures. Recommended for all Education majors.
- 428-676 INTERPERSONAL HELPING SKILLS FOR EDUCATORS** 3 cr
Designed to (1) help educators develop an increased awareness of their own feelings and conflicts within the classroom, and to examine a wider variety of potentially appropriate responses to these feelings, and (2) present the Gazda/Carknuff theory of interpersonal helping and to train participants in process skills consistent with the theory.
- 428-679 DISCIPLINE AT HOME AND SCHOOL** 3 cr
This course is designed for both parents and teachers. It explores several different discipline programs as to their application in the home and the classroom. Students will become aware of many alternative approaches in dealing with discipline and management problems.
- 428-687 PRINCIPLES OF HUMAN RESOURCE DEVELOPMENT** 3 cr
Identification and interpretation of policies and practices connected with the development of human resources. Emphasis is placed on personnel needs assessment and training programs in government agencies at all levels. The implication of in-service training in business, educational organizations, and the various professions will be examined.
- 428-765 GROUP DYNAMICS IN THE CLASSROOM** 3 cr
This course is designed to provide an opportunity for participants to explore the dynamics of group processes as they relate to elementary and secondary school classrooms. Emphasis will be placed on the developmental stages of classroom groups. Participants will not only examine the teacher behaviors and activities which help students in classrooms become effective groups, they will also experience these stages themselves.
- FIELD PRACTICUM (429)**
- 429-793 SUPERVISED PRACTICUM** 1-6 cr
Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements. (Not to be used for first-time certification.)
- CURRICULUM AND INSTRUCTION (430, 432, 433, 434, 436, 437, 439)**
- ELEMENTARY EDUCATION (430)**
- 430-550 INTRODUCTION TO MULTICULTURAL EDUCATION** 3 cr
History, philosophy and rationale for bilingual/bicultural education. A study of different models of bilingual education programs as well as different types of bilinguals. Cultural socioeconomic and psychological factors influencing learning in the bilingual child.
- 430-635 LANGUAGE ACQUISITION FOR THE BILINGUAL CHILD** 3 cr
An examination of the process involved in the acquisition of a first and second language and the implications this has for the curriculum and language instruction in the bilingual school. Special emphasis on stages of language development; the role of adult models, teachers, and environment in language learning; social classes and differences in language development; dialect differences and language development; etc.
- 430-655 TEACHING CONTENT IN THE BILINGUAL CLASSROOM** 3 cr
An examination of various techniques and materials being used to teach subject matter in bilingual programs with emphasis on Spanish materials. Other topics of discussion are: language assessment and adaption of materials to the learner's language proficiency and cultural experience. Course will be taught in English and Spanish, so that students may have the opportunity of expanding their command of the other language being used as a medium of instruction.

- 430-672 UNDERSTANDING AND USING LOGO IN THE CLASSROOM** 1 cr
The course is a brief introduction to the computer language designed for education—LOGO. The LOGO language is adaptable to a wide range of content areas. The language is available on nearly all makes of microcomputers. After mastery of fundamental key words of the language, the student will prepare materials to integrate the use of the language into their prospective teaching area.
- 430-673 UNDERSTANDING AND USING PILOT IN THE CLASSROOM** 1 cr
The course is a brief introduction to the computer software designed for education—PILOT (Programming Instruction Learning Or Teaching). PILOT software is available on nearly all makes of microcomputers. After mastery of a few fundamental key words of the language, the student will prepare materials to integrate the use of the language into their prospective teaching area.
- 430-689 EMPLOYMENT STRATEGIES** 1 cr
480-689 Designed to acquaint the teacher education student with the problems and procedures of securing a teaching position. Includes consideration of professional ethics, preparation of placement credentials, teacher certification practices, interviewing techniques and teaching contracts. Reviews opportunities for professional advancement through graduate study. (Open to teacher education students. Should be taken the semester prior to graduation or the semester of graduation.)
- 430-716 INTEGRATING SOFTWARE AND TECHNOLOGY INTO THE READING AND EARLY CHILDHOOD CURRICULUM** 3 cr
This course introduces teachers to the evaluation of software, and to the integration of software into the reading and early childhood curriculum.
- 430-720 ADVANCED TECHNIQUES IN THE TEACHING OF LANGUAGE ARTS AND ENGLISH** 3 cr
Survey and critical appraisal of research programs, problems, practices and trends in the study and teaching of the language arts, media, composition and the application of linguistic knowledge.
- 430-721 TRENDS IN ART EDUCATION** 3 cr
110-721 A course designed to acquaint the teacher with recent trends, issues, and practices in the teaching of art. The sources of contemporary knowledge about the function and structure of art education will be considered as well as recent theoretical and research studies in art and art education. Opportunity for a specific level or teaching situation.
- 430-722 ISSUES IN ELEMENTARY EDUCATION** 3 cr
Current critical issues in education on the state, national and international levels, with particular reference to the elementary schools.
- 430-723 SEMINAR: ISSUES AND PROBLEMS IN AMERICAN EDUCATION** 3 cr
This course is designed to enable educators to identify, comprehend and develop strategies to resolve current critical issues and problems in American education.
- 430-725 CURRICULUM DESIGN AND DEVELOPMENT** 3 cr
This course focuses primarily on the processes of curriculum development. The students will be involved in curriculum design activities which will require consideration of the socio-political and philosophical forces as well as consideration of learning and developmental theory.
- 430-730 THE TEACHING OF COMPUTER SCIENCE** 3 cr
This course is designed for teachers who currently teach or will be teaching computer science. Techniques including specific classroom activities will be introduced for a variety of computing topics. A high level authoring language, test scoring systems and record keeping systems will be studied.
- 430-740 TECHNIQUES FOR IMPROVING ELEMENTARY AND MIDDLE SCHOOL CHILDREN'S WRITING** 3 cr
Elementary and middle school teachers will become familiar with current materials which provide the opportunity to be cognizant of and reaffirm the importance of writing/composition skills in the elementary content areas. Examination of research, analysis of current knowledge and the exchange of experiences can facilitate growth.

- 430-752 MICROCOMPUTER APPLICATIONS 3 cr
IN THE CLASSROOM**
This course is designed for teachers who have little or no knowledge about microcomputers and are interested in learning about microcomputers and their use in schools. This introduction to microcomputer applications in education will include teaching about computers, teaching with microcomputers, managing instruction with microcomputers, developing instructional materials using computers, and evaluating software designed to be used in schools. This course does not satisfy any of the requirements for K-12 certification on computer science.
- 430-754 EDUCATIONAL SOFTWARE 3 cr
IMPLEMENTATION K-12**
This course will focus on the use of the computer as an instructional tool. The course will examine the nature and evolution of computer assisted/enhanced instruction, the major type of instructional packages, their primary characteristics, their potential strengths and weaknesses, and research related to the effectiveness of computers in the instructional program. Students will complete a unit plan using computer enhanced instructional techniques. Students should have previous hands on experience with microcomputers.
- 430-755 CURRICULUM CONCERNS IN ART 3 cr
EDUCATION**
A course designed to develop the student's ability to make art curricular judgments through the planning, designing, and ordering of art learning experiences.
- 430-759 ART FOR THE EXCEPTIONAL 3 cr
CHILD/ADULT**
A preparatory course in art education for teachers of exceptional children and adolescents. The course will provide a background for curriculum development in art for children and adolescents with specific physical, mental, learning, and emotional needs.
- 430-760 ART IN THE ELEMENTARY SCHOOL 3 cr**
A consideration of the visual arts in the elementary school curriculum. Designed for elementary teachers and teachers of art or for those planning to teach in these areas. The course will include studio experiences using art media and techniques, curriculum resources, innovative approaches to teaching art and art appreciation, as well as the analysis and evaluation of art programs.
- 430-761 ADVANCED TECHNIQUES IN THE 2-3 cr
TEACHING OF MATHEMATICS**
Consideration of the current trends in method and curriculum in elementary school arithmetic; the scope, sequence and content of the modern arithmetic program with special emphasis on modern innovations in arithmetical content and method; and the relationship of methods, curriculum and evaluation to child development.
- 430-762 CURRICULUM IN THE 3 cr
ELEMENTARY SCHOOLS**
Consideration of basic concepts of curriculum development and the relations of foundation areas to the problems of curriculum; assistance to the individual teacher in understanding procedures and plans for bringing about curriculum changes at the local level; opportunity to put theory into practice with guidance from the instructor.
- 430-763 ADVANCED TECHNIQUES IN THE 2-3 cr
TEACHING OF SOCIAL STUDIES**
A comprehensive consideration of the K-12 social studies curriculum, its traditions, underlying assumptions, and approaches to curriculum improvement; special emphasis placed on effective teaching techniques designed to facilitate the learning of social studies content and skills.
- 430-765 ADVANCED TECHNIQUES IN THE 2-3 cr
TEACHING OF SCIENCE**
Consideration of the present courses of study in elementary science; basic principles of science appropriate to elementary grades; techniques of teaching the science principles; materials used in the teaching of science, and the techniques of evaluation in science.
- 430-766 ADVANCED METHODS OF TEACHING 3 cr
ELEMENTARY MATHEMATICS**
This is an advanced course for elementary teachers with previous teaching experience. The recommendations for improving elementary mathematics instruction as outlined in the NCTM Standards will be presented as well as methods for implementing these recommendations. Topics to be addressed in this course include: 1) planning for instruction (with emphasis on selecting appropriate materials); 2) understanding how children learn mathematics; 3) assessing mathematics learning; 4) the use of technology in mathematics education; 5) integration/connections with other content areas; 6) meeting the needs of exceptional students; 7) discussion of current approaches to teaching elementary mathematics, and 8) current research findings relevant to teaching and learning mathematics at the elementary level.

- 430-770 SUPERVISION OF STUDENT TEACHERS** 2-3 cr
 Basic course in supervision of student teachers, open to UW-W cooperating teachers, explores the respective roles and responsibilities of all student teaching personnel, nature of student teaching programs, procedures followed in the selection of cooperating teachers and assignment of student teachers. Attention is also given to the recognition of skills and activities fundamental to the development of effective teachers. Prereq: previous arrangements with instructor and admission to the Graduate School.
- 430-770A SUPERVISION OF STUDENT TEACHERS** 2-3 cr
 Advanced course in supervision of student teaching focuses on identification of specific teaching competencies and the improvement of supervision through the use of more effective supervision techniques. Current trends and new field experience programs are also explored. Prereq: 430-770 or consent of instructor.
- 430-771 PRINCIPLES OF MENTORING** 3 cr
 Mentoring, a recently developed concept related to Teacher Induction and staff development, emphasizes the historical development, roles of mentors, mentoring skills and processes, as well as evaluation of the mentor/protege relationships. This course is designed to provide training to present and potential staff who are interested in becoming mentors.
- 430-772 IMPROVEMENT OF INSTRUCTION THROUGH COLLEGIAL COACHING FOR CLASSROOM TEACHERS** 3 cr
 Peer supervision, a recently developed concept related to staff development, emphasizes the historical development, roles of collegial coaches, coaching skills and processes, as well as evaluation of the collegial relationships. This course is designed to provide training for experienced staff who are or want to become involved in collegial coaching.
- 430-789 INTEGRATIVE PROJECT SEMINAR** 3 cr
 This course assists the student in completing the Integrative Project. It should be taken during the semester that the student intends to finish this requirement. The course will be graded on a Satisfactory/No Credit grading scale. Prereq: Approval of program coordinator and adviser.
- 432-764 DEVELOPMENTAL READING IN THE ELEMENTARY SCHOOL.** 3 cr
 An overview of the elementary developmental reading program including the skills necessary for critical reading; development of appropriate attitudes and tastes, and adjustment of materials and methods to meet individual needs.
- 432-766 DIAGNOSIS AND TREATMENT OF READING DISABILITIES (K-6)** 3 cr
 A comprehensive consideration of types of reading and study difficulties; the principles and techniques of diagnosing such difficulties, and the methods and materials useful to the classroom teacher in the remediation of reading problems.
- 432-767 DIAGNOSIS AND TREATMENT OF READING DISABILITIES (7-12)** 3 cr
 A course designed to give experience in the use and analysis of formal and informal tests used in diagnosing reading problems and related disabilities.
- 432-768 DEVELOPMENTAL READING IN THE SECONDARY SCHOOL.** 3 cr
 An in-depth examination of the principles underlying the reading process as it relates to secondary school reading demands. This course will offer the opportunity to explore theories of reading, examine techniques and materials, and develop applications to middle, junior high, and high school situations.
- 432-769 READING PROCESS: VOCABULARY AND COMPREHENSION DEVELOPMENT** 3 cr
 This course will include an in-depth study of the reading process with an emphasis on current vocabulary and comprehension theory and research. Students will be involved in developing and exploring the use of semantic-based instructional strategies and reading materials.
- 432-771 PLANNING AND IMPLEMENTING READING PROGRAMS** 3 cr
 A study of the process and procedures which may be employed in planning and implementing defensible reading programs. Students are involved in planning individual programs appropriate for their school or system. Prereq: 432-764.
- 432-772 READING IN THE CONTENT AREAS** 3 cr
 Utilization of reading skills, study strategies and materials as applied to the content fields, and techniques for incorporating reading into content area instruction. Prereq: 432-764.

- 432-773 RESEARCH RELATED TO THE TEACHING OF READING** 2 cr
Comprehensive review and evaluation of the literature and research in reading. The influence of research studies upon teaching procedures and upon the selection and use of materials for reading instruction will be considered.
Prereq: 432-764.
- 432-774 EMERGENT LITERACY** 3 cr
This course is designed to acquaint graduate students with children's reading and writing development from birth through age 8 and with educational approaches used to promote literacy development. The creation of literate environments at home and at school is emphasized.
- 432-775 SYMPOSIUM IN READING EDUCATION** 3 cr
The keystone of the course is the annual University of Wisconsin Reading Symposium on Factors Related to Reading Performance. The purpose of the symposium is to inform educators of current thinking on factors that appear to influence students' reading performance. The course will include attendance at the symposium and at additional class sessions.
- EDUCATIONAL ADMINISTRATION (433)**
- 433-769 SUPERVISION OF INSTRUCTION** 3 cr
Analysis of basic concepts of supervision and competencies essential to effective supervisory performance. Extended examination of current and emerging supervisory practices found in local school districts. Supervision as a process is considered in a variety of roles and positions of leadership.
- 433-772 LEGAL ASPECTS OF EDUCATION** 3 cr
290-772 Seeks to present in nontechnical language to educational practitioners legal information on all facets of school operation, including the liability of school districts and school employees, school fund and indebtedness administration; the admission, attendance and instruction of pupils; retirement benefits; and the employment contract and professional negotiations.
- 433-775 ADMINISTRATION AND ORGANIZATION OF THE PUBLIC SCHOOLS** 3 cr
290-775 A survey of the foundation, organization and administration of the American public school system. Designed for teachers, administrators and school business managers.
- 433-776 THE SCHOOL PRINCIPALSHIP** 3 cr
Study of the application of theories to the administrative behavior problems of leadership in an elementary school. The course content will present research concerning the operation and management of an elementary school. It is designed for students who will have a leadership function or role in their school duties, such as team leader, supervisor, coordinator, or elementary principal.
- EARLY CHILDHOOD (434)**
- 434-540 NUTRITION AND HEALTH: EARLY CHILDHOOD** 3 cr
A course in nutrition and health pertaining to the needs of the young child of pre-school age through the third grade, with emphasis on teaching the child good food and health habits and aiding nursery school directors and families in utilizing available community resources in health and nutrition.
Prereq: Admission to professional education or graduate standing.
- 434-561 CHILDREN'S LITERATURE** 3 cr
A study of literature and media for Early Childhood, PreK-6; emphasis on evaluating, selecting, and presenting materials related to the interests and needs of children and the curriculum.
- 434-662 PROGRAMS AND CURRICULUM FOR INFANTS AND TODDLERS** 3 cr
This course will enable students to plan a sequential curriculum for children from birth to age three. Issues, concepts, and research findings pertaining to group care of infants and toddlers in a variety of settings will be considered, as well as teaching strategies employed with very young children.
Prereq: 423-322 or consent of instructor.
- 434-675 EARLY CHILDHOOD EDUCATION—ADMINISTRATION OF PRESCHOOL PROGRAMS** 3 cr
The concentration of this course is upon managerial skills. Areas of emphasis are licensing, programming, staffing, finances, and public relations.
Prereq: Consent of instructor.
- 434-711 EARLY CHILDHOOD EDUCATION: FROM THEORY TO PRACTICE** 3 cr
A study of the historical and theoretical foundations; current models and practices; and significant research regarding early childhood education.

- 434-713 TRENDS IN CURRICULUM FOR THE PRESCHOOL/PRIMARY CHILD** 3 cr
This course is designed to give students sufficient skills to develop, implement and evaluate curriculum for children from ages 3-8.
- 434-714 CURRENT ISSUES IN EARLY CHILDHOOD EDUCATION** 3 cr
Identification of significant issues and consideration of research having an impact on emerging trends as well as current practices in early childhood education.
- 434-715 CHILDREN IN CRISIS** 3 cr
Feelings experienced by parents and children who are going through crises, the behavioral effects of these crises, and effective ways for the school to relate to them at these times. Students will also become familiar with adult reading and children's books in these areas.
- 434-717 CHILDREN AT RISK: COMMUNITY/SCHOOL PROGRAMS** 3 cr
This course acquaints teachers and school personnel with the Wisconsin Children-At-Risk Initiative and prepares them to participate in collaborative home/school/community efforts to serve children who are at risk for educational failure.
- SPECIAL STUDIES (436)**
- 436-690 WORKSHOP** 1-6 cr
- 436-694 SEMINAR** 1-3 cr
- 436-696 SPECIAL STUDIES** 1-3 cr
- 436-790 WORKSHOP** 1-6 cr
- 436-794 SEMINAR** 1-3 cr
- 436-798 INDIVIDUAL STUDIES** 1-3 cr
- 436-799 THESIS RESEARCH** 1-6 cr
- SECONDARY EDUCATION (437)**
- 437-550 INTRODUCTION TO MULTICULTURAL EDUCATION** 3 cr
History, philosophy and rationale for bilingual/bicultural education. A study of different models of bilingual education programs as well as different types of bilinguals. Cultural, socioeconomic and psychological factors influencing learning in the bilingual child.
- 437-620 METHODS OF TEACHING PHYSICAL EDUCATION K-12** 3 cr
Techniques of teaching physical education including selection of content, methods of presentation, class management, supervision, community influences, curriculum planning and professional responsibilities. Prereq: 423-212 or 423-222.
- 437-626 METHODS OF TEACHING ENGLISH AND LANGUAGE ARTS** 3 cr
Engages the students in shaping viable perspective for teaching Subject English in today's secondary school; in planning, developing, and evaluating a course, a unit, and a lesson series; in considering and practicing several modes of instructing-learning; in individualizing learning for particular adolescents; and in preparing generally for the Teaching Practicum.
- 437-628 METHODS OF TEACHING MATHEMATICS** 3 cr
A study of the materials, methods, curriculum and structure of secondary school mathematics. Review of current objectives in secondary school mathematics.
- 437-629 METHODS OF TEACHING SCIENCE** 3 cr
Designed to acquaint students with basic educational techniques; to develop in students the ability to utilize effectively techniques characteristic of science programs, namely, laboratory learning to acquaint students with new approaches to science; to familiarize students with new developments in the science curriculum; to help students gain a broad vision of their teaching profession, their science area and their responsibilities to all students.
- 437-630 METHODS OF TEACHING SOCIAL STUDIES** 3 cr
The study of the teaching-learning process, objectives in social studies, planning for teaching, selection of content and resources, teaching-learning strategies and evaluative methods.
- 437-631 METHODS OF TEACHING SPEECH** 3 cr
Designed to help students develop a philosophy of speech education; skill in preparing courses of study, unit and lesson plans adapted to the needs and abilities of their students; methods of improving skill in evaluating the work of their students; and to give direction in planning and conducting extracurricular activities.

- 437-632 METHODS OF TEACHING JOURNALISM** 3 cr
This course is designed to meet the needs of teachers or prospective teachers who wish to prepare themselves for teaching journalism, for teaching communications units, or for sponsoring publications in secondary schools.
- 437-635 LANGUAGE ACQUISITION FOR THE BILINGUAL CHILD** 3 cr
An examination of the processes involved in the acquisition of a first and second language and the implications this has for the curriculum and language instruction in the bilingual school. Special emphasis on stages of language development, the role of adult models, teachers and environment in language learning, social class and difference and in language development, dialect differences and language development, etc.
- 437-655 TEACHING CONTENT IN THE BILINGUAL CLASSROOM** 3 cr
An examination of various techniques and material being used to teach subject matter in bilingual programs with emphasis on Spanish materials. Other topics of discussion are: Language assessment and adaption of materials to the learner's language proficiency and cultural experience. Course will be taught in English and Spanish, so that students may have the opportunity of expanding their command of the other language being used as a medium of instruction.
Prereq: Language proficiency in Spanish.
- 437-701 MODERN SCHOOL MATHEMATICS CURRICULUM** 3 cr
A survey of selected school mathematics curriculum development projects, topics in comparative mathematics education and selected topics in ongoing research in mathematics education.
Prereq: Consent of instructor.
- 437-710 CURRICULUM IN THE SECONDARY SCHOOLS** 3 cr
The study of the theory, substance and development of curriculum in the American secondary schools. Special attention is given to the impact of recent innovations in the secondary school curriculum and the influence of mandated programs.
- 437-720 TEACHING WRITING** 3 cr
A survey of techniques for guiding students through the composing process and improving their ability to write. Students will become familiar with recent research on writing and will design writing activities to be used in middle and secondary schools. Practice in writing will be an important part of the course.
- 437-725 ART EDUCATION FOR THE SECONDARY SCHOOL** 3 cr
A graduate course for art or secondary teachers or those preparing to teach in these areas. The study of contemporary approaches to teaching art education as aesthetic education in the middle and senior high curriculum; class discussions, studio and laboratory experiences and original research for the implementation of individualized art teaching.
- 437-728 ADVANCED METHODS OF TEACHING SECONDARY MATHEMATICS** 3 cr
Advanced course in the study of instruction, planning, materials, assessment and objectives in mathematics education at the middle and high school level using guidelines set forth by professional math education organizations. Examination of the roles of technology, exceptional individual needs and external demands for accountability in mathematics teaching is an integral part of this course.
Prereq: Successful completion of an undergraduate methods course or experience teaching secondary mathematics.
- 437-730 TEACHING LITERATURE** 3 cr
A survey of techniques and theories in the teaching of fiction, poetry, and drama in middle and secondary schools. Students will read and discuss current writings about the teaching of literature, investigate selected topics that show the connection between theories of literature and teaching practices, and participate in a variety of demonstrations. The course will be team-taught by a faculty member from the College of Education and a faculty member from the Department of English.
- 680-730**
- FIELD PRACTICUM (439)**
- 439-712 RESIDENCY IN TEACHING** 3-12 cr
A comprehensive residency in teaching in an accredited local educational agency participating in the Teacher Residency Program. The resident teacher is under contract for a full school year for less than a full teaching load, is salaried, and works under the guidance of an assigned team of professional and seminars.
Prereq: Successful completion of certification. Admittance to the Residency Program and Graduate School. Limited to first year teachers. Repeatable.
- 439-774 FIELD EXPERIENCE IN READING PROGRAMS** 1 cr
Observation and directed practice in the area of reading. Students are placed in an approved station or stations for a semester.
Prereq: 439-793.

- 439-793 PRACTICUM (ELEMENTARY) (SECONDARY)** 1-6 cr
Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements (Not to be used for first-time certification.)
- HEALTH, PHYSICAL EDUCATION, RECREATION & COACHING (442, 444, 446, 448)**
- PHYSICAL EDUCATION (442)**
- 442-514 TECHNIQUES OF TEACHING DANCE** 3 cr
A course designed to emphasize techniques of teaching dance and the organization of rhythms and dance programs for the elementary and secondary levels.
- 442-524 TECHNIQUES OF TEACHING GYMNASTICS** 3 cr
A course for physical education majors and minors designed to develop an understanding of progressions in and mechanical skill analysis of tumbling, apparatus, and floor exercise activities to be used in the teaching of gymnastics. It includes hands on teaching experiences.
- 442-525 PHYSICAL EDUCATION FOR THE KINDERGARTEN-PRIMARY (K-3) CLASSROOM TEACHER** 2 cr
Required of students in elementary education who intend to teach children in the kindergarten through third grade levels. Emphasis is placed upon the preparation of the classroom teacher to meet the developmental needs of children in grades K-3 through the medium of motor activities.
- 442-526 PHYSICAL EDUCATION FOR THE ELEMENTARY (4-8) CLASSROOM TEACHER** 2 cr
Required of students enrolled in the elementary education curriculum. Specific emphasis is placed upon preparing the classroom teacher to meet the needs of children in grades 4-8 in the area of physical education.
- 442-527 MOTOR PROGRAMMING FOR EARLY CHILDHOOD** 2 cr
This course is designed for those who plan to work with children in any type of pre-school program. Emphasis will be placed on providing ideas for developmental motor activities that will aid children with their 1) physical coordination, 2) emotional reactions to various experiences, 3) social interactions and, 4) mental development.
- 442-530 TECHNIQUES OF TEACHING MOVEMENT ACTIVITIES IN ELEMENTARY SCHOOL** 3 cr
A course which combines the theory of curriculum development with the planning and conducting of lessons suitable for both the K-3 grades and the upper elementary grades. Emphasis is on the planning for lessons suitable for the K-3 child including basic manipulative, non-manipulative and locomotor skills, activities of simple organization and lead-up activities in progression.
- 442-540 TEAM AND INDIVIDUAL SPORTS** 3 cr
An integration of organizational procedures, lesson planning, program planning progression and teaching techniques related to team and individual sports.
- 442-571 KINESIOLOGY** 3 cr
The study of mechanical principles which are essential to the analysis of sport techniques as well as the performance of motor skills. The course includes a review of muscle-skeletal anatomy and the thorough study of human movement.
- 442-580 PERCEPTUAL MOTOR ACTIVITIES FOR YOUNG CHILDREN** 3 cr
A study of motor maturation, developmental variances affecting motor efficiency, gross motor assessment instruments, and prescriptive techniques involving perceptual motor activities.
- 442-615 CORPORATE AND COMMUNITY FITNESS** 3 cr
Theoretical considerations and practical applications of exercise assessment and exercise prescription. Exercise assessment includes tests of muscular strength, endurance and flexibility, tests of aerobic capacity, pulmonary function testing, electrocardiography and graded exercise testing. Exercise prescription includes prescription techniques, exercise leadership and administration. Applications in commercial fitness, corporate fitness, community fitness and cardiac rehabilitation.
- 442-660 BEHAVIORAL ASPECTS OF SPORTS AND PHYSICAL ACTIVITY** 3 cr
Physical activity and sport examined from the standpoint of the factors influencing sport participation, the effects of sport participation, and the methods used to enhance the quality of sport performance.
- 442-661 WOMEN AND SPORT** 3 cr
A study of the historical, social, psychological, physiological, and legal issues of women in sport. Comparisons between men and women in sport are explored.

- 442-671 PHYSIOLOGY OF EXERCISE** 3 cr
A comprehensive study of physiological changes which occur during exercise and the adaptations which occur during exercise training. The student receives practical experience in the organization, interpretation and reporting of laboratory experiences relative to class discussion.
- 442-672 ADVANCED PHYSIOLOGY OF EXERCISE** 3 cr
Theoretical considerations and laboratory experiences in physiology of exercise at an advanced level. Includes exercise biochemistry, biochemical analysis, environmental considerations, exercise histochemistry, cardiorespiratory considerations, animal experimentation, electromyography and aids to performance.
Prereq: 442-471/671.
- 442-673 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION** 2-3 cr
Relationships and procedures involved in effective administration and organization of physical education programs.
- 442-675 ADAPTED PHYSICAL EDUCATION** 3 cr
A study of the problems of the atypical child in relation to the physical education activity program. Emphasis is placed on the atypical child in the public school. Areas studied include postural deviations, orthopedic and neurological disabilities, sensory handicaps, the mentally handicapped and the behaviorally deviant child.
- 442-678 PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD** 3 cr
Course emphasis is on exploring physical education programs for the self-contained classroom teacher and for recreational leaders in institutional settings and day care centers who deal with exceptional children who are handicapped in physical activities.
- 442-680 FITNESS PROGRAM OPERATIONS** 3 cr
Theoretical considerations and practical applications of management, operations and programs for health and fitness organizations. Begins with the planning, design, financing and construction of health and fitness facilities. Includes the hiring and organization of staff members, the development and marketing of special programs and the administration and finance of fitness organizations.
- 442-690 WORKSHOP** 5-6 cr
- 442-694 SEMINAR** 1-3 cr
- 442-696 SPECIAL STUDIES** 5-3 cr
- 442-710 TRENDS IN PHYSICAL EDUCATION** 3 cr
Designed to improve instruction through an analysis of current objectives, new materials, revised curriculum and methods, current literature, current legislation, and organization of physical education within school and related learning laboratories.
- 442-712 CURRICULUM IN PHYSICAL EDUCATION** 3 cr
This course will assist the teacher with the process of curriculum development through an analysis of influences that effect curriculum change. Identification of aims, objectives, methods, materials and evaluation which are instrumental in development of efficient and effective programs in physical education.
- 442-715 FACILITY PLANNING DESIGN AND MANAGEMENT IN PHYSICAL EDUCATION AND SPORT** 3 cr
A study of the planning process for provision of facilities that will be conducive to a beautiful and safe environment for the conduction of physical education, athletic and recreation programs. Efficient management and use of the physical plant is a major consideration.
- 442-725 CARDIORESPIRATORY PHYSIOLOGY** 3 cr
An advanced course in the anatomy and physiology of the cardiac, vascular and pulmonary systems with an emphasis on the impact and adaptations during exercise to these systems.
Prereq: 442-472 or consent of instructor.
- 442-752 NEW DIMENSIONS IN TEACHING LIFETIME SPORTS** 3 cr
The course is designed to explore new curriculum ideas, skills, and teaching techniques used in Lifetime Sports. Utilization will be made of lectures, field trips, and participation and discussion of new techniques and activities.
- 442-770 ASSESSING MOTOR BEHAVIOR** 3 cr
A study of motoric behavioral changes and skills acquisition of the maturing human and instruments currently available for assessing motor development and skill.
- 442-772 CONSTRUCTION OF MOTOR PERFORMANCE ASSESSMENT INSTRUMENTS** 3 cr
A study of the theory underlying motor performance assessment, and practice in constructing, administering and validating assessment instruments for motor performance.

442-790	WORKSHOP	1-3 cr	444-645	TEACHING HEALTH EDUCATION	3 cr
442-793	PRACTICUM	1-6 cr		A study of philosophy, trends and teaching-learning strategies. Emphasis will be placed on developing and utilizing models and strategies in health education. Prereq: 444-340/540.	
	Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated/curriculum check sheet requirements. (Not to be used for first-time certification.)		444-665	HEALTH PROMOTION STRATEGIES	3 cr
442-794	SEMINAR	1-3 cr		This course will focus on: 1) the development, implementation and evaluation of worksite health promotion programs, and 2) examination of the relationship of these programs to the organization as a whole and to the benefits for both the employee and employer.	
442-796	SPECIAL STUDIES	1-3 cr	444-690	WORKSHOP IN HEALTH	1-6 cr
442-798	INDIVIDUAL STUDIES	1-3 cr	444-694	SEMINAR	1-3 cr
442-799	THESIS RESEARCH	1-6 cr	444-696	SPECIAL STUDIES	1-3 cr
HEALTH (444)					
444-540	INTRODUCTION TO HEALTH ISSUES & SECONDARY HEALTH EDUCATION	3 cr	444-710	TRENDS IN DEVELOPING WELLNESS FOR CHILDREN AND ADOLESCENTS	3 cr
	An introduction to various health belief models and philosophies with particular emphasis on health education content at the secondary level.			This course prepares students to support the development and maintenance of wellness in children and adolescents within the context of their individual contact with youth. It is suitable for educators, "helping" professionals, health care providers, and parents. Individualized and participatory activities characterize the delivery system.	
444-560	HIGH LEVEL WELLNESS	3 cr	444-725	HEALTH EDUCATION ISSUES AND CURRICULUM	3 cr
	A sensitization to, interpretation and evaluation of wellness as it relates to self, others and the environment with opportunities for personal wellness advancement. Areas include stress and relaxation training, health hazards that exist in behavior that tends to shorten life expectancy, nutrition and physical fitness.			A course designed primarily for health educators in schools, the workplace, the community, or health-care agencies at all levels, and for those concerned with public health policy and/or its formation.	
444-562	STRESS MANAGEMENT	3 cr	444-735	EFFECTIVE TEACHING FOR CHANGING HEALTH BEHAVIOR	3 cr
	The course explains what stress is, its various causes and its effects. It helps develop a personal "Stress Profile" which enables the participants to pinpoint the specific sources and manifestations of stress and tension. The course shows how to combine biofeedback, relaxation techniques, exercise, diet, and other skills into an individualized "Stress Management System" that will help individuals feel healthier and cope better with daily pressure.			This course is designed to acquaint the student with an overview of health behavior by examining numerous theories related to behavior change. Emphasis is on the application of theory to facilitate behavior change in a positive direction.	
444-582	ELEMENTARY HEALTH EDUCATION	2 cr	444-745	EXERCISE AND HEALTH	3 cr
	Teaching and learning experiences in selected content areas of health education. Designed for the elementary teacher.			A course designed to introduce how exercise relates to an individual's health, specifically cardiovascular endurance, relaxation and nutrition. It will include background information regarding holistic health, exercise prescription, nutrition and relaxation. Application of this background information will also be a part of the course through evaluation of present levels and participation in individually designed programs.	
444-591	NUTRITION AND WEIGHT CONTROL	3 cr	444-790	WORKSHOP	1-3 cr
	The course is designed to help students plan, evaluate, and analyze weight control programs. Attention will also be given to nutrients, exercise, sport, and behavior modification techniques that promote holistic health relationships.				

92 HEALTH, PHYSICAL EDUCATION, RECREATION & COACHING

444-793	PRACTICUM Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements. (Not to be used for first-time certification.)	1-6 cr	446-690	WORKSHOP	1-3 cr
444-794	SEMINAR	1-3 cr	446-694	SEMINAR	1-3 cr
444-796	SPECIAL STUDIES	1-3 cr	446-696	SPECIAL STUDIES	1-3 cr
444-798	INDIVIDUAL STUDIES	1-3 cr	446-790	WORKSHOP	1-3 cr
444-799	THESIS RESEARCH	1-6 cr	446-793	PRACTICUM Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements. (Not to be used for first-time certification.)	1-6 cr
RECREATION (446)			446-794	SEMINAR	1-3 cr
446-534	RECREATION PROGRAMMING AND LEADERSHIP Students learn processes involved in assessing recreation participants' needs, program development, goal setting, program implementation, and evaluation. Leadership theories are studied, and skills are enhanced through group process experiences and in-class activity leadership.	3 cr	446-796	SPECIAL STUDIES	1-3 cr
446-550	INTRODUCTION TO THERAPEUTIC RECREATION An introduction to the history, philosophy and rationale of therapeutic recreation as programmed for people who are physically disabled, aged, mentally retarded, mentally ill, and socially deviant. The course will emphasize practical approaches to therapeutic recreation programming for special populations.	2 cr	446-798	INDIVIDUAL STUDIES	1-3 cr
446-560	AGING AND LEISURE Examines conceptualizations of leisure and aging in the leisure and gerontological literature, examines the benefits of exercise for older persons, as well as examining the benefits of other leisure areas such as the arts, education and outdoor recreation.	3 cr	446-799	THESIS RESEARCH	1-6 cr
446-591	OUTDOOR RECREATION LEADERSHIP This course provides the fundamental knowledge, skills, and experience necessary to lead people in outdoor recreational activities. The course includes topics on trip planning, safety procedures, equipment and food logistics, leadership methods and expedition behavior for a variety of outdoor trip activities. The course also includes a 3 day outdoor trip experience.	3 cr	COACHING (448)		
446-689	RECREATION ADMINISTRATION A study of recreational management concepts in the areas of personnel management and facility operations, budgetary preparations, marketing concepts, public relation procedures, management policies development, and program services design.	3 cr	448-660	ORGANIZATION & ADMINISTRATION OF INTERSCHOLASTIC ATHLETICS This course is designed for those individuals who wish to become athletic coaches or administrators. The place of athletics education and the organization and administration of an athletic program will be covered. A research paper dealing with an appropriate topic will be required.	3 cr
			448-661	PREVENTION AND CARE OF ATHLETIC INJURIES Principles governing the prevention and treatment of common athletic injuries. A research paper dealing with a mutually agreed upon topic will be required.	2 cr
			448-664	MANAGING ATHLETIC PRACTICE SESSIONS This course is designed for the practitioner (coach) who wants to learn how to maximize the athletic potential of individuals. The course teaches the coach how to determine and rank behaviors that are needed for individuals to be successful in sport. The coach will also learn how to develop systematic reinforcement procedures through the use of drills and other contingencies. Coaches will also become familiar with observational techniques and problem solving strategies in sport. Prereq: Undergraduates must have completed Psychology 111 or equivalent and have consent of instructor.	2 cr

- 448-665 ADVANCED ATHLETIC TRAINING 4 cr**
This course is designed for student seeking professional preparation in the areas of Athletic Training, Physical Therapy, and associated medical and/or allied health fields. This course fulfills the NATA mandate for advanced study in Athletic Training education. This course will deal with the pathophysiology of sports-related injuries, manual muscle testing and joint evaluation techniques, the role of physical fitness assessment, conditioning, and testing protocols, and the indications and contraindications of therapeutic modality use. Also considered will be the nutritional aspects of sports activities, the effects of alcohol/drugs on athletic performance, and injury risks to special athletic groups.
Prereq: 411-461 and 442-271.
- 448-788 THE LAW AND ATHLETIC 2 cr**
290-788 ADMINISTRATION
The course is designed to examine case law, state and federal laws, state and federal regulations and association regulations pertaining to the administration of a school sports program.
- 448-690 WORKSHOP 3 cr**
- 448-696 SPECIAL STUDIES 1-4 cr**
- 448-790 WORKSHOP 1-4 cr**
- 448-794 SEMINAR 1-3 cr**
- 448-798 INDIVIDUAL STUDIES 1-3 cr**
- 460-653 LEGAL ASPECTS IN SAFETY 3 cr**
An examination of federal and state laws with judicial interpretations having application to traffic, institutional, and occupational safety, and the liability of public officials. Problems such as teacher liability, professional liability, workers' compensation, risk management, loss control, and product safety laws will be dealt with in respect to their involvement with industrial, institutional, or public liability.
Prereq: 462-380 or consent of instructor.
- 460-655 ALCOHOL AND OTHER DRUGS 3 cr**
An investigation into the physiological, psychological and sociological problems presented by the use of alcohol and other drugs. Prevention and treatment programs will be examined. Other areas of study will include alcohol and traffic safety, alcohol and other drugs education and employee assistance programs.
- 460-688 ERGONOMICS 3 cr**
This course is intended to provide the student with basic introductory information concerning human information processing capabilities and limitations. Ergonomic strategies for preventing manual material handling, repetitive motion injury and ergonomic design and evaluation of man-machine systems will be included in the course.
Prereq: Consent of instructor.
- 460-690 WORKSHOP 1-6 cr**
Prereq: Consent of instructor.
- 460-696 SPECIAL STUDIES 1-3 cr**
Prereq: Consent of instructor.
- 460-752 SAFETY COMMUNICATIONS 3 cr**
Investigation of the communication processes as related to the field of safety. Design and manipulation of the communication processes to influence safe behavior. Planning public information and community support programs.
- 460-787 SYSTEM SAFETY ANALYSIS 3 cr**
Introduction to the system technique as applied to the recognition of potential accident situations in occupational environments. Concentration will be on the qualitative aspects of safety, utilizing numerous examples and problems.
Prereq: 460-688 or consent of instructor.
- SAFETY STUDIES (460, 461, 462, 469)**
- GENERAL (460)**
- 460-581 MOTOR FLEET SAFETY 3 cr**
An analysis of fleet safety problems and programs. Detailed study of the truck transportation industry, motor carrier responsibilities, federal regulations and safety supervision programs.
Prereq: An industrial safety course and/or consent of instructor.
- 460-650 BEHAVIORAL ASPECTS OF ACCIDENT PREVENTION 3 cr**
Selected theories of accident causation and countermeasures are studied. Examination of physiological, medical, psychological, and sociological factors which influence behavior, and methods for modifying unsafe behavior.
Prereq: Consent of instructor.

- 460-788 ADVANCED HUMAN FACTORS ENGINEERING** 3 cr
An in-depth analysis of the human system, and how that system interacts with various machine systems. Current research in the area of human factors will be emphasized, with practical applications for countermeasures being established.
Prereq: 760-441 (or equivalent statistics), 460-488/688 and consent of instructor.
- 460-789 READINGS AND RESEARCH IN SAFETY** 3 cr
Students will examine research and professional issues and apply the information to a problem of their choice. This course will be required of students who choose the proposed 36 credit option with the M.S. in Safety - Traffic. In lieu of completing a comprehensive examination or thesis, students will complete this course and 33 additional graduate credits. This course will provide a "capstone" graduate program experience.
- 460-790 WORKSHOP** 1-6 cr
- 460-794 SEMINAR** 1-3 cr
- 460-796 SPECIAL STUDIES** 1-3 cr
- 460-798 INDIVIDUAL STUDIES** 1-3 cr
- 460-799 THESIS RESEARCH** 1-6 cr
- TRAFFIC (461)**
- 461-661 PROBLEMS AND MATERIALS OF DRIVER EDUCATION** 3 cr
Emphasis is placed on driver and traffic safety education professional issues and classroom-curricular content, methods and resources. Organization and administration of the high school program will also be examined.
Prereq: 461-260 or consent of instructor.
- 461-666 POLICE IN HIGHWAY TRAFFIC ENFORCEMENT** 3 cr
An investigation of local, county, and state police activities in highway traffic law enforcement and investigation. Discussions include philosophical and psychological concepts on law enforcement. Accident records and usage by all levels of enforcement will be studied as well as police training policies and practices.
Prereq: 461-260 or consent of instructor.
- 461-765 HIGHWAY TRAFFIC ADMINISTRATION** 3 cr
A critical analysis of traffic laws, traffic management, and motor vehicle administration, past, present and future. Explores agencies involved with traffic safety. Topics include records and reporting, driver control, driver improvement, driver licensing, vehicle registration and titling, vehicle inspection, violations bureaus, and traffic courts.
Prereq: Consent of instructor.
- 461-767 TRAFFIC ENGINEERING** 3 cr
An overview of the development, management and operation of highway transportation systems. Includes investigation of and experiences in utilization of traffic engineering methods and techniques.
Prereq: Consent of instructor.
- OCCUPATIONAL (462)**
- 462-582 SAFETY IN THE CONSTRUCTION INDUSTRY** 3 cr
Students will examine problems and practices posed to nation's work force involved with the construction industry. The course will examine administrative and organizational policies in developing a construction safety program. Students will be introduced to specific detailed problems and countermeasures for correction. An analysis of applicable standards will be conducted as they apply to the construction trade.
Prereq: 462-380 or consent of instructor.
- 462-583 INTRODUCTION TO SECURITY** 3 cr
A study of the physical, personnel, and informational aspects of the security field. Concepts of these areas will be integrated with safety management concepts and will be discussed in relationship to industrial and business environments.
Prereq: An industrial safety course or consent of instructor.
- 462-657 PRINCIPLES OF OCCUPATIONAL EPIDEMIOLOGY** 3 cr
This course will introduce the principles of occupational epidemiology and discuss the application of these principles in the recognition, control and prevention of disease and injury. The course will review the etiology of various acute, chronic, infectious, occupational and environmental diseases.
Prereq: 230-245 or 423-482 or 760-231.

- 462-680 INDUSTRIAL HYGIENE** 3 cr
INSTRUMENTATION
 Occupational Safety students will gain a working knowledge of Industrial Hygiene and Safety equipment, which will aid them in recognizing, analyzing, and evaluating specific health hazards in industrial settings. Chemical, physical, biological and ergonomic hazards will be evaluated for potential hazards involving: noise, heat, cold, ionizing radiation, non-ionizing radiation, ventilation, electrical, illumination, hazardous atmospheres, and other related environments.
 Prereq: 640-109 and 640-110 or one year of general college chemistry. Coreq: 462-484 or consent of instructor.
- 462-683 INDUSTRIAL SAFETY MANAGEMENT** 3 cr
 Emphasis will be on the organizational and administrative problems that relate to an occupational accident prevention program. The course is especially designed for students majoring in the business related areas as well as teachers and future safety professionals who desire to emphasize an understanding of these management problems as well as some applicable solutions.
 Prereq: An industrial safety course or consent of instructor.
- 462-684 INDUSTRIAL HYGIENE** 3 cr
 An introduction to the science and art of industrial hygiene including the chemical, physical, and biological agents which affect the health and safety of employees; the application of control measures for the various agents.
 Prereq: Organic/inorganic chemistry or consent of instructor.
- 462-685 FIRE PROTECTION/PREVENTION** 3 cr
 Control of fires through study of building construction to prevent fire spread, occupancy-hazard relationships, exposure to and from adjacent occupancies, lifesaving aspects, and the development of professional knowledge of flammable gases, liquids, combustible solids, dusts, chemicals, and explosives. Interpretation of appropriate codes will be covered.
 Prereq: 640-109 and 640-110 or consent of instructor.
- 462-686 SAFE HANDLING OF MATERIALS** 3 cr
 Study the manual and mechanical safe handling of materials as major contributors to accident-causation in industry. Training and placement of personnel, maintenance and operation of equipment, interaction of manual-mechanical systems and handling of hazardous materials are emphasized.
- 462-687 PRODUCT SAFETY** 3 cr
 An analysis of the trends of the product liability problem and the agencies regulating products. Special emphasis will be given to legal theories related to product liability and landmark litigation providing the basis for case law. A substantial portion of the course will be devoted to examining the elements of product safety programming.
 Prereq: An industrial safety course or consent of instructor.
- 462-689 CHEMICAL SAFETY** 3 cr
 Principles, practices, regulations and procedures for the storage, transportation and use of industrial chemicals. Investigation of plant layout and process design for chemical operations. Attention will be given to the problem of handling laboratory and macro quantities of chemicals as well as commercial chemical reactions and toxicity.
 Prereq: 640-109 and 640-110 or one year of general college chemistry or consent of instructor.
- 462-696 SPECIAL STUDIES** 1-3 cr
 Repeatable to 6 credits in degree.
- 462-753 LEGAL ASPECTS IN OCCUPATIONAL SAFETY** 3 cr
 An examination of federal and state laws with legal interpretations having application to safety professionals and industries will be emphasized. Federal acts, such as OSHA, CPSA and others will be dealt with in respect to their involvement with the industry. Liability to individuals and to the public will be stressed.
- 462-783 CORPORATE SAFETY MANAGEMENT** 3 cr
 This course is designed for Occupational Safety majors, prior to fieldwork experience. Attention will be given to the corporate structure of industry and loss control functions within the corporate structure. Special emphasis will be placed on developing a corporate loss control program.

SCHOOL (463)

463-672 ORGANIZATION AND ADMINISTRATION OF SCHOOL SAFETY 3 cr

Designed to prepare prospective teachers in the techniques and methods used in coordinating a school safety program. Also designed for inservice teachers, administrators, and other school personnel responsible for planning and directing safety programs in the schools. Deals with the elements of a comprehensive accident prevention program, and the policies and procedures involved in administering the program; and the structuring of programs to insure effectiveness. Prereq: A basic safety course.

463-711 PRINCIPLES OF INSTITUTIONAL SAFETY 3 cr

The course will review safety and environmental conditions and requirements in hospitals, nursing homes and correctional institutions. The appropriate state, federal and Joint Commission on Accreditation of Hospital regulations and standards will be covered. Problems involving infection control, laundry sanitation, fire safety, employee and patient safety, life safety codes, emergency disaster plans, hazardous materials management, public health control of insects and rodents, and environmental safety and sanitation of institutions will be discussed. The role of the Institutional Safety Committee and Safety Officer will be developed.

Prereq: Consent of instructor.

PRACTICUM (469)

469-793 PRACTICUM 1-6 cr

Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements.

SPECIAL EDUCATION (480, 489)

Enrollment in Special Education courses requires admission to professional education.

480-520 INTRODUCTION TO THE EDUCATION OF YOUNG CHILDREN WITH EXCEPTIONAL EDUCATIONAL NEEDS 3 cr

Designed for persons interested in the education of young children. Causes for handicapping conditions will be reviewed and early intervention programs will be studied. Parent training and family involvement rationale and techniques will also be examined. Prereq: 480-205/721.

480-523 DEVELOPMENTAL THERAPY: THE EDUCATION OF YOUNG CHILDREN WITH SOCIAL-EMOTIONAL NEEDS 3 cr

For persons interested in young children with social-emotional problems. Students will study the causes of disturbance in young children; learn to assess their emotional maturity level, and develop therapeutic techniques designed to ameliorate maladaptive behaviors.

Prereq: 480-320/520.

480-536 MANAGING THE CLASSROOM BEHAVIORAL PROBLEMS OF EXCEPTIONAL CHILDREN 3 cr

The course will introduce models, methods, and materials for effectively managing behavior problems of learners with exceptional educational needs. Skills will be developed to: (a) manage classroom behaviors that are counter productive to learning; (b) facilitate positive interpersonal behaviors; and (c) structure the instructional environment to produce desirable consequences.

Prereq: 480-205/721.

480-555 INTRODUCTION TO EMOTIONAL/BEHAVIORAL DISORDERS 3 cr

A basic survey of behavioral and emotional disorders in children. Specific techniques and approaches in handling these problems in a classroom, the psychological role of the teacher and aspects of working with parents of disturbed children will be discussed.

Prereq: 480-205/721 or consent of instructor.

480-556 INTRODUCTION TO MENTAL RETARDATION 3 cr

An introductory course which provides current and historical perspectives of the field of mental retardation. Emphasis is placed on the educational, social, psychological, vocational and medical aspects of the problem.

Prereq: 3 special education credits or consent of instructor.

480-564 INTRODUCTION TO LEARNING DISABILITIES 3 cr

Provides the special educator with the basic theoretical and practical approaches to the identification and treatment of learning and language disorders. Identifies the major theoretical and conceptual approaches as well as the current issues in the field of learning disabilities.

Prereq: 480-205/721 or consent of instructor.

- 480-576 MEDICAL ASPECTS OF DISABILITY 3 cr**
Provides the special educator with knowledge of the medical, physiological, neurological, physical or medical conditions which impact educational programming. The course content emphasizes etiology and implications of genetic, prenatal and acquired causes of disabilities including cerebral palsy, genetic syndromes, medical fragility, technology dependency, AIDS, and perinatal drug dependency. Interdisciplinary approaches to providing services for children with complex needs are addressed.
Prereq: 6 credits of special education or consent of instructor. Restricted to students with professional ed admission.
- 480-600 TEACHING EXCEPTIONAL CHILDREN IN THE REGULAR CLASSROOM 3 cr**
A practical course for regular educators who teach students with exceptional educational needs. Based upon an overview of the mildly disabled and the mainstreaming philosophy, specific skills related as assessment, instruction, materials modification and behavior management will be emphasized.
- 480-605 PROGRAMMING FOR THE DEVELOPMENTALLY DISABLED ADULT 3 cr**
For students/agency staff interested in vocational rehabilitation services for developmentally disabled adults in a sheltered workshop setting. Emphasis will be on philosophies of the sheltered workshop training techniques and services provided within agencies.
Prereq: 6 special education credits.
- 480-606 CAREER/VOCATIONAL PROGRAMMING FOR EXCEPTIONAL EDUCATIONAL NEEDS 3 cr**
The course is designed to identify specific strategies for overcoming attitudinal and technical barriers to vocational mainstreaming of special needs students. Values clarification, vocational assessment, vocational IEP development, and elementary and secondary vocational models will be examined to assist special and vocational educators in delivering appropriate vocational services to EEN students. Content covers grades K-12.
Prereq: 480-205/721 and (480-355/555 or 480-356/556 or 480-364/564).
- 480-622 CURRICULUM METHODS AND MATERIALS - EC:EEN: LANGUAGE/COGNITION 3 cr**
For persons interested in the education of young children with special needs. Curriculum methods and materials will be studied so that students can develop skills in planning and implementing educational activities which will focus on language and cognitive development. Students will be required to participate in supervised fieldwork activities.
Prereq: 480-320/520.
- 480-623 WORKING WITH INFANTS/TODDLERS WITH SPECIAL NEEDS AND WITH THEIR FAMILIES 3 cr**
Students will examine factors contributing to developmental delay or high-risk incidences in children from birth to three years of age. Parent training and family involvement rationale and techniques will also be examined. Students will learn appropriate techniques for screening and assessing infants and toddlers and have the opportunity to study and develop early intervention procedures.
Prereq: 480-421/621.
- 480-624 FAMILY FOCUSED INTERVENTION 3 cr**
Identification of skills and techniques needed to work with families of children with special needs in birth to three and three to six programs will be addressed. Family dynamics will be analyzed with attention given to various stages parents experience in relationship to their child and overall family situation. Specific attention will be given to communicating with families, conducting family needs assessments, and working with and advocating for parents with special needs. Opportunities to advocate for and work directly with infants, parents and families will be provided.
Prereq: 480-320/520 and 480-423/623 or taken concurrently.
- 480-625 INTRODUCTION TO GIFTED EDUCATION 3 cr**
A survey of the definitions and measures of creativity and intellectual pursuits, extraordinary products, and an examination of the genetic, environmental and social factors that develop and maintain gifted humans.

- 480-626 INTRODUCTION TO INDIVIDUAL DIAGNOSTIC ASSESSMENT OF EXCEPTIONAL EDUCATIONAL NEEDS** 3 cr
A core course for special education majors to provide an overview of educational assessment and diagnosis of the handicapped. Emphasis will be placed upon testing for IEP development and teaching and the implications of the educational evaluation for multidisciplinary team decision making.
Prereq: 480-205/721, 489-210.
- 480-628 GENERAL INSTRUCTIONAL MODELS FOR GIFTED EDUCATION** 3 cr
This course goes beyond a basic understanding of the nature and needs of gifted students and concentrates on presenting several models for providing curricular and instructional designs for such students in the school setting.
Prereq: An introductory course dealing with the gifted or consent of instructor.
- 480-657 CURRICULUM AND METHODS IN MENTAL RETARDATION - ELEMENTARY** 3 cr
A course designed to provide the prospective teacher of mildly/moderately mentally handicapped elementary school students with basic knowledge concerning the educational characteristics of these students, general teaching strategies, organization of classroom/schedule, mainstreaming policies, and curricular methods and materials.
Prereq: 480-356/556 or consent of instructor.
- 480-659 CURRICULUM AND METHODS IN MENTAL RETARDATION - SECONDARY** 3 cr
A course designed for professionals working with adolescent students who are mildly/moderately mentally handicapped. Emphasis is on organization, curriculum, methods, work adjustment, and vocational approaches appropriate for a high school special education class and work-study program.
Prereq: 480-356/556 or consent of instructor.
- 480-660 EDUCATION OF STUDENTS WITH SEVERE EMOTIONAL/BEHAVIORAL DISORDERS** 3 cr
An examination of personality and behavioral dynamics associated with infantile autism, childhood schizophrenia, and other psychotic conditions of childhood. Consideration will be given to teaching techniques, educational materials, and curriculum designs suitable for educating psychotic children in a variety of school settings.
Prereq: 480-355/555 or consent of instructor.
- 480-661 EDUCATIONAL DIAGNOSIS AND ASSESSMENT OF EC: EEN AND SPH** 3 cr
For persons interested in young children with special needs, as well as individuals exhibiting severe disabilities. Persons will learn how to administer diagnostic-prescriptive instruments and how to use assessment information in developing Individual Education Plan (IEPs) and present evaluative data to the multidisciplinary team.
Prereq: 480-320/520 or 480-376/576; 480-426/626 or taken concurrently.
- 480-662 EDUCATIONAL DIAGNOSIS AND ASSESSMENT IN LD, E/BD, MR** 3 cr
A course to develop advanced diagnostic skills for elementary through secondary mildly/moderately handicapped (LD, ED, EMR) individuals. Particular emphasis will be placed upon the assessment of cognitive, academic, developmental and behavioral skills that effect classroom performance. The application of advanced trend analysis and data synthesis techniques for special education placement and program planning will be stressed and current issues and trends will be discussed.
Prereq: 480-426/626.
- 480-665 CURRICULUM AND METHODS FOR THE MODERATELY HANDICAPPED** 3 cr
For persons who will be working with individuals who have moderate disabilities. Provides methods, strategies and techniques in assessment, curriculum development, program design, instructional strategies, material development, and community transition for the population with moderate disabilities. A major focus will be on all aspects of functional programs across home, school, community and vocational environments.
Prereq: 480-356/556, or consent of instructor.
- 480-666 WORKING WITH PARENTS OF EXCEPTIONAL CHILDREN AND COMMUNITY AGENCIES** 3 cr
Provides insight into the adjustment problems of exceptional individuals in the home and school environments. Particular emphasis upon consultation and supportive skills for aiding the individuals and their parents in dealing with school or agency personnel and programs.
Prereq: 480-205/721 or consent of instructor.

- 480-671 CURRICULUM AND METHODS IN 3 cr**
EMOTIONAL/BEHAVIORAL DISORDERS (E/BD) - ELEMENTARY
 An examination of the varieties of therapeutic instruction available to teachers of emotionally disturbed children at the elementary school level. Evaluation of specific pathological conditions; curriculum design; placement; environmental manipulation; evaluation procedures; interpersonal management of cognition, affect, and behavior; and ethical consideration of specific interventions will be discussed.
 Prereq: 480-355/555, 480-336/536 and 480-462/662.
- 480-672 CURRICULUM AND METHODS IN 3 cr**
EMOTIONAL/BEHAVIORAL DISORDERS (E/BD) SECONDARY
 An examination of the varieties of therapeutic instruction available to teachers of emotionally disturbed children at the secondary school level. Evaluation of specific pathological conditions; curriculum design; placement; environmental manipulation; evaluation procedures; interpersonal management of cognition, affect, and behavior; and ethical consideration of specific interventions will be discussed.
 Prereq: 480-355/555, 480-336/536, and 480-426/626.
- 480-676 CURRICULUM, METHODS AND 3 cr**
MATERIALS FOR THOSE WITH MULTIPLE DISABILITIES
 For persons interested in developing techniques in the care and management of severe and profound multiple handicapped individuals with emphasis on basic life skills. Includes built-in field experiences.
 Prereq: 480-376/576 or consent of instructor.
- 480-678 CURRICULUM AND METHODS IN 3 cr**
LEARNING DISABILITIES-ELEMENTARY
 Designed to prepare educators to teach elementary level learning disabled children. Remediation strategies, programs, and techniques appropriate to this level will be reviewed and demonstrated. Emphasis will be on programming based upon an educational diagnosis and participation type activities.
 Prereq: 480-426/626 and 480-355/555 or 480-364/564.
- 480-679 CURRICULUM AND METHODS IN 3 cr**
LEARNING DISABILITIES-SECONDARY
 Designed to prepare educators to teach secondary level learning disabled students. Theoretical models and intervention strategies designed to promote basic skills acquisition and generalization of basic skills needed to perform in secondary level content area programs will be reviewed and demonstrated. Comprehensive educational planning for secondary LD students based on diagnostic findings and adult life roles will be emphasized.
 Prereq: 480-426/626 and 480-364/564 or 480-355/555.
- 480-681 REMEDIATION OF WRITTEN 2 cr**
LANGUAGE DISORDERS
 The course examines writing instruction for handicapped individuals using a language interaction approach to teaching and learning. Assessment and intervention based on the conceptual and linguistic skills of the student in relationship to the conceptual and linguistic demands of specific writing tasks will be presented.
 Prereq: 480-426/626, 662-350/550 and 662-360/560 or consent of instructor.
- 480-690 WORKSHOP 1-10 cr**
- 480-691 TRAVEL STUDY 1-3 cr**
- 480-694 SEMINAR 1-3 cr**
- 480-696 SPECIAL STUDIES 1-4 cr**
 Prereq: Consent of instructor.
- 480-689 EMPLOYMENT STRATEGIES 1 cr**
430-689 Designed to acquaint the teacher education student with the problems and procedures of securing a teaching position. Includes consideration of professional ethics, preparation of placement credentials, teacher certification practices, interviewing techniques and teaching contracts. Reviews opportunities for professional advancement through graduate study. (Open to teacher education students. Should be taken the semester prior to graduation or the semester of graduation.)

- 480-706 VOCATIONAL ASSESSMENT OF STUDENTS WITH SPECIAL NEEDS** 3 cr
This course examines specific vocational assessment strategies using an ecological approach to in-school data collection. Assessment of occupational interests, aptitude, and learning styles in relationship to IIP development, placement within specific occupational clusters, and successful transition to postsecondary training and/or employment environments will be presented.
Prereq: 480-205/721, 480-406/606.
- 480-721 THE EXCEPTIONAL CHILD** 3 cr
A survey of educationally relevant problems of exceptional children and the implications of these problems for school programs.
- 480-730 IMPLEMENTING INTERVENTION FOR INFANTS AND TODDLERS WITH SPECIAL NEEDS** 3 cr
Identification of current best practice as defined in the literature and application of the skills and techniques needed for implementing intervention services with infants and toddlers with special needs will be the emphasis of this course. Rules and regulations that govern birth to three services, funding resources, child identification and assessment practices, eligibility criteria, curricula, educational methods, and materials for the birth to three population will be presented and analyzed. Identification of community resources to facilitate comprehensive services, networking skills for interagency coordination, and the dynamics of parent/professional partnerships will be examined and practiced. The uses of technology as a tool for record keeping, service delivery, accessing information, and sustaining life will be emphasized.
Prereq: 480-423/623 and 480-424/624.
- 480-740 PROFESSIONAL SKILLS DEVELOPMENT IN EC:EEN** 3 cr
Communication techniques for effective teaming in infant intervention programs will be presented and strategies for supervision and collaboration will be developed. Seminar periods will also focus in mental health issues as they pertain to an individual's professional growth and development. The course will also provide students with simulated and practical experiences in providing leadership in staff and program development, and training with parents.
Prereq: 480-422/622, 480-423/623, 480-424/624 and 489-789G or consent of instructor.
- 480-772 LIFESPAN ISSUES IN SPECIAL EDUCATION** 3 cr
This course explores current issues, trends, and instructional strategies relating to the development of curriculum for individuals with handicaps from a lifespan perspective across all categories of exceptionalities.
- 480-773 CONSULTATION TECHNIQUES FOR SPECIAL EDUCATORS** 3 cr
Designed to acquaint special educators with procedures and strategies necessary for successful teacher consultation in the schools. Class will participate in simulation activities designed to develop skills in the consultation-problem solving process. Current practices and procedures will be reviewed.
Prereq: Consent of instructor.
- 480-775 SUPERVISION AND ADMINISTRATION OF SPECIAL EDUCATION PROGRAMS** 3 cr
Presentation of a broad theoretical and practical background into the nature and role of supervisory and administrative personnel in public school programs for exceptional children.
Prereq: Consent of instructor.
- 480-777 DEVELOPMENT OF INSTRUCTIONAL MATERIALS FOR EEN** 3 cr
Development of a curriculum-consultation model and its implications for modification and development of materials and programs in special education.
Prereq: Consent of instructor.
- 480-780 SURVEY OF RESEARCH LITERATURE IN SEVERE DISABILITIES** 3 cr
A graduate level seminar exploring current research literature issues and trends in the areas of severe disabilities encompassing age ranges from birth to adult. Special attention on cooperative projects, proposal development and other research techniques will be emphasized.
Prereq: Consent of instructor.
- 480-781 PROGRAMMING FOR THE TRANSITION OF YOUTH WITH DISABILITIES-DVI** 3 cr
This course will examine direct and indirect instructional support strategies which facilitate successful vocational programming of individuals with exceptional educational needs within secondary and post-secondary environments. The Designated Vocational Instructor model and transition methods will be emphasized.
Prereq: One of the following: 480-356/556, 480-364/564, 480-465/665, 480-406/606 or consent of instructor.

480-782	SURVEY OF RESEARCH LITERATURE IN MILD DISABILITIES A graduate level seminar exploring current research literature, issues, and trends in the area of mild disabilities. Special attention on cooperative projects, proposal development and other research techniques will be emphasized.	3 cr	489-789H	PRACTICUM: SEVERELY AND PROFOUNDLY HANDICAPPED	1-6 cr
480-784	INSERVICE SEMINAR Designed to provide an opportunity for a group of students to participate in an in-depth study of a specific area of work with individuals with exceptional educational needs. Repeatable. Prereq: Consent of instructor.	1-3 cr	489-793	PRACTICUM Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements.	1-6 cr
480-790	WORKSHOP	1-6 cr	COLLEGE OF LETTERS AND SCIENCES		
480-794	SEMINAR	1-3 cr	GENERAL DIVISION (600)		
480-796	SPECIAL STUDIES	1-3 cr	600-689	SOVIET SEMINAR A course that prepares students for a two-week tour of the Soviet Union by introducing them to Russian history, culture, and society, and to the fundamentals of the Russian language.	3 cr
480-798	INDIVIDUAL STUDIES	1-3 cr	600-690	WORKSHOP Repeatable.	1-3 cr
480-799	THESIS RESEARCH Prereq: Consent of instructor.	1-6 cr	600-691	TRAVEL STUDY	1-3 cr
489-725	FIELDWORK WITH EXCEPTIONAL CHILDREN Field experiences in public or private community programs or agencies serving the exceptional educational needs. Repeatable to maximum of 6 credits. Prereq: Consent of instructor.	1-3 cr	600-696	SPECIAL STUDIES Repeatable.	1-3 cr
489-789A	PRACTICUM: MENTAL RETARDATION-ELEMENTARY	1-6 cr	ANTHROPOLOGY (613)		
489-789B	PRACTICUM: MENTAL RETARDATION-SECONDARY	1-6 cr	613-512	ARCHAEOLOGY OF MESO- AND SOUTH AMERICA A comparative approach to the rise and fall of civilizations in the New World. Prehistoric social developments in Mexico, Central, and South America, from the earliest human occupations to the decline of the Maya, Aztec, and Inca civilizations.	3 cr
489-789C	PRACTICUM: EMOTIONAL DISTURBANCE-ELEMENTARY	1-6 cr	613-524	PEOPLES AND CULTURES OF THE PACIFIC Intensive survey of the prehistory and contemporary cultural anthropology of Pacific Island societies: Polynesia, Micronesia, Melanesia, Island South East Asia, and Australia.	3 cr
489-789D	PRACTICUM: EMOTIONAL DISTURBANCE-SECONDARY	1-6 cr	613-525	PEOPLES AND CULTURES OF SOUTH ASIA Survey of South Asia, with emphasis on the contemporary social and cultural anthropology of India and Nepal.	3 cr
489-789E	PRACTICUM: LEARNING DISABILITIES-ELEMENTARY	1-6 cr			
489-789F	PRACTICUM: LEARNING DISABILITIES-SECONDARY	1-6 cr			
489-789G	PRACTICUM: EARLY CHILDHOOD-EXCEPTIONAL EDUCATIONAL NEEDS	1-6 cr			

102 ANTHROPOLOGY

- 613-534 WOMEN IN CROSS-CULTURAL PERSPECTIVE** 3 cr
Sex and gender relations in economic, political, and family institutions in non-Western societies. Topics include women's roles in marriage and family life, women in politics, women and law, women in myth and ritual.
- 613-620 CULTURE AND PERSONALITY** 3 cr
An interdisciplinary course dealing with questions of mutual interest to psychologists and anthropologists. Cross-cultural approaches to personality formation, measurement, description of personality characteristics of groups. Character attributes of peoples from selected societies throughout the world. Stress and mental disorders. Relationship of personality, culture, and social change.
- 613-694 SEMINAR** 3 cr
- 613-696 SPECIAL STUDIES** 3 cr
Repeatable.
Prereq: 6 credits in anthropology or consent of instructor.
- 613-794 SEMINAR** 1-3 cr
- 613-798 INDIVIDUAL STUDIES** 1-3 cr

BIOLOGY (630)

- 630-506 MEDICAL TERMINOLOGY** 1-2 cr
A study of the language of medicine including word construction, definitions and the use of terms related to all areas of medical science, hospital service and allied health specialties. Two-credits may be taken by students who have had no biology classes.
- 630-511 MICROBIOLOGY** 4 cr
Examination of organisms too small to be seen by the unaided eye, ranging from their molecular organization to their role in global ecology. Primary emphasis will be the study of bacteria and viruses, their beneficial or detrimental impacts on humans, animals, and plants, and their current and potential exploitation. Two lectures and two labs per week.
Prereq: Previous course work in biology and chemistry.
- 630-527 PLANT PATHOLOGY** 3 cr
A study of the nature and classification of plant pathogens, the ecologic and physiologic relationships between host and pathogen and the principles of plant disease control. Two lectures and two hours of laboratory per week.
Prereq: 630-141 and 630-142 or equivalents.

- 630-540 COMPARATIVE VERTEBRATE ANATOMY** 4 cr
Dissection and study of vertebrate types emphasizing characteristic structures, general relationships, comparative anatomy, and the significance of adaptation and evolution. Laboratory work, lectures and quizzes.
Prereq: 630-141 and 630-142.
- 630-541 ANIMAL DEVELOPMENT** 4 cr
A study of reproductive cycles, gametogenesis and fertilization; the establishment of tissues, organs and systems. Introduction to embryological experimental techniques and procedures for study of frog, chick, and pig. Laboratory, lecture and quizzes.
Prereq: 630-251 and 630-253 or equivalents.
- 630-545 ANIMAL PHYSIOLOGY** 4 cr
A study of the functional mechanisms that underlie the life processes in animals. Six hours of laboratory and lecture per week.
Prereq: 630-251 and 630-253 or equivalents.
- 630-551 PLANT MORPHOLOGY (OR THE PLANT KINGDOM)** 3-4 cr
A study of the major groups of plants, with emphasis on structure, reproduction, classification and evolution.
Prereq: 630-141 and 630-142 or equivalents.
- 630-553 PLANT TAXONOMY** 3 cr
The principles of plant classification and identification, with emphasis on flowering plants of this region. Lectures, laboratories and field trips.
Prereq: 630-141 and 630-142.
- 630-570 AQUATIC BIOLOGY** 3 cr
The study of aquatic environment, its fauna, flora and general ecology. The laboratory will emphasize the taxonomic study of aquatic organisms. Field trips.
Prereq: 630-257 and 640-102 or equivalents.
- 630-575 INVERTEBRATE ZOOLOGY** 3 cr
A comprehensive study of the structure, physiology, natural history and significance of the major groups of invertebrate animals. Five hours of laboratory and lecture per week.
Prereq: 630-141 and 630-142 or equivalents.
- 630-590 BIOLOGY COLLOQUIUM** .5 cr
Lectures on current research and career opportunities in biology through the colloquium format. One credit is required of biology majors. Offered on a satisfactory/no credit basis only.

- 630-612 IMMUNOLOGY 2 cr**
Immunity to infectious diseases related to changes in the constituents of the blood is explored. Transplantation of tissues, allergies, and autoimmune diseases are discussed.
Prereq: 630-251 and 630-253 or equivalents.
- 630-615 ENDOCRINOLOGY 3 cr**
A study of the hormonal regulation of metabolism, growth and reproduction. Three hours of lecture per week, laboratory demonstrations arranged.
Prereq: 630-253 and 630-345 or equivalents.
- 630-617 PLANT PHYSIOLOGY 3 cr**
Organized around the growth of plants stressing the living processes. The laboratory emphasizes nutrition, growth, hormones, water relations, photosynthesis, respiration and bioassay techniques.
Prereq: 630-253 or equivalents.
- 630-620 ICHTHYOLOGY 3 cr**
A study of the taxonomy, distribution, ecology and evolution of fishes. Collection, preservation and identification of local species will be emphasized. Two one-hour lectures and one two-hour laboratory period per week. Field trips.
Prereq: 630-257 or equivalent.
- 630-622 INTRODUCTION TO ORNITHOLOGY 3 cr**
The classification, distribution, behavior, life histories and natural habitats of North American birds. Emphasis is given to the field recognition of local species. Five hours of lecture and laboratory per week. Field trips.
Prereq: 630-257 or equivalent.
- 630-623 INTRODUCTION TO MAMMALOLOGY 3 cr**
Classification and natural history of mammals with special emphasis on Wisconsin species. Four hours of lecture and laboratory. Field trips.
Prereq: 630-257 or equivalent.
- 630-630 ANIMAL BEHAVIOR 3 cr**
Behavior of animals as individuals and groups, including study of causation, development, integration, evolution and adaptive value of behavior patterns. Lecture and laboratory.
Prereq: 630-251 and 630-257 or equivalents.
- 630-644 CELL BIOLOGY 3 cr**
Advanced topics in eukaryotic cellular structure, regulation, and function, with particular focus on cell growth, synthesis and transport of biomolecules, intra- and intercellular signals, cell differentiation, and cell motility. Laboratory exercises will include protein analysis, cell manipulation, cytochemistry, and transmission electron microscopy. Four hours of lecture and laboratory per week.
Prereq: 630-251 and 630-253 and 640-251.
- 630-646 ORGANIC EVOLUTION 3 cr**
History of evolutionary thought, evidences of evolution, and analysis of evolutionary mechanisms and processes.
Prereq: 630-251.
- 630-652 ENTOMOLOGY 3 cr**
A study of the classification, identification and life cycles of insects. Insects of economic importance will be considered. A collection of insects will be required. Field trips.
Prereq: 630-141 and 630-142 or equivalents; 630-375 recommended.
- 630-653 ANIMAL HISTOLOGY 3 cr**
A study of the minute structure of animal tissues by examination of materials prepared for the light microscope supplemented by micrographs showing details revealed with electron microscopy. Emphasis on human microscopic anatomy. Six hours of laboratory or lecture per week.
Prereq: 630-253 or equivalent.
- 630-654 VERTEBRATE FIELD BIOLOGY 3 cr**
A study of the classification, distribution, ecology and life histories of the vertebrates. Special emphasis is given the vertebrates of Wisconsin. A collection of local vertebrates will be required. Field trips.
Prereq: 630-257 or equivalent.
- 630-655 PARASITOLOGY 3 cr**
The life cycles, epidemiology and control of protozoan, trematode, cestode, roundworm and arthropod parasites of man and domestic animals will be studied. Studies of infections in laboratory animals will be carried out.
Prereq: 630-141 and 630-142 or equivalents; 630-375 recommended.

104 BIOLOGY

630-657	GENERAL ECOLOGY	4 cr	630-691	TRAVEL STUDY	1-3 cr
	A study of biotic populations and communities and natural ecosystems. Contemporary ecological theory and techniques will be emphasized. Laboratory exercises will include field studies, laboratory experiments, and computer simulations and analysis. Six hours of lecture or laboratory per week. Prereq: 630-251 or equivalent; 630-257 or equivalent; 760-231 or 760-342 or 840-215 or equivalent.		630-694	SEMINAR	1 cr
630-660	INTRODUCTORY MYCOLOGY	3 cr	630-696	SPECIAL STUDIES	1-3 cr
	A comprehensive study of all fungal phyla emphasizing taxonomy, morphology, phylogeny and physiology. Economic uses of fungi will be studied where feasible. Prereq: 630-351 or equivalent.		630-703	ENVIRONMENT AND MAN	3 cr
630-663	MOLECULAR BIOLOGY	3 cr		A study of basic ecological concepts and their applications to the identification, understanding and abatement of contemporary environmental problems. Special emphasis is given to those problems resulting from man and his activities.	
	Examination of the molecular control of cellular processes through the study of transcription, translation, and the control of gene expression. Emphasis is placed on activity and analysis of proteins and nucleic acids. Examples of the extensive and diverse use of these techniques throughout biology will be included. Four hours of lecture and lab per week. Prereq: Previous course work in biology and chemistry.		630-790	WORKSHOP	1-6 cr
630-667	CONSERVATION BIOLOGY	3 cr	630-793	PRACTICUM	1-6 cr
	A study of the application of modern principles of ecology, genetics and evolution to the preservation of natural communities and their constituent organisms. Topics covered include causes and consequences of rarity of organisms, population viability analysis, preservation of genetic diversity, island biogeography, fragmentation and edge effects, and both in situ and ex situ measures for the protection of biodiversity. Three hours of lecture per week. Prereq: 630-251 and 630-257 and 760-231 or 760-442 or 840-215 or equivalent statistics.		630-794	SEMINAR	1-3 cr
630-680	GENERAL LIMNOLOGY	3 cr	630-796	SPECIAL STUDIES	1-3 cr
	A presentation of the interrelationships between the physical, chemical and biological aspects of aquatic environments. The laboratory will demonstrate methods and equipment for conducting limnological studies. The course will be taught at Pigeon Lake. Prereq: 630-257 and 640-104.		630-798	INDIVIDUAL STUDIES	1-3 cr
630-685	POLLUTION BIOLOGY	3 cr	630-799	THESIS RESEARCH	1-6 cr
	A study of environmental pollution with emphasis on the sources, effects and abatement of air and water pollution. The laboratory will be devoted to methods for detecting specific pollutants and evaluating the biological effects of these pollutants. Field trips. Prereq: 630-257 and 640-104 or equivalents.			CHEMISTRY (640)	
630-690	WORKSHOP	1-3 cr	640-655	ADVANCED ORGANIC CHEMISTRY	3 cr
				Lectures on advanced topics in organic chemistry. Prereq: A year's course in general organic chemistry.	
			640-690	WORKSHOP	1-4 cr
			640-694	SEMINAR	1-3 cr
			640-696	SPECIAL STUDIES	1-3 cr
				Repeatable 2 times for maximum 6 credits.	
			640-702	PHYSICAL SCIENCE	3 cr
				An in-depth examination of certain developments in physical science principles and their impact on man's thought and way of life. Open to experienced elementary and secondary school teachers who have had an introductory course in physical science.	
			640-790	WORKSHOP	1-6 cr
			640-794	SEMINAR	1-3 cr
			640-798	INDIVIDUAL STUDIES	1-3 cr

ENGLISH (680)

- 680-501 LITERARY CRITICISM 3 cr**
A study of the major modes of criticism from Aristotle to the present.
- 680-510 LITERATURE FOR ADOLESCENTS 3 cr**
This course will explore the history and development of adolescent literature, with special emphasis on the period since 1960. Recent novels which have proven popular and influential with young people and teachers will be analyzed using literary and educational criteria. Participants will consider selected current controversies regarding the education of adolescents.
- 680-515 THE DEVELOPMENT OF THE ENGLISH NOVEL TO THE TWENTIETH CENTURY 3 cr**
A survey of the development of the English novel from the eighteenth century to the twentieth, with emphasis on the development of themes and techniques. Studies of selected works by Defoe, Richardson, Fielding, Sterne, Austen, Scott, Dickens, Thackeray, Eliot, Hardy, Conrad and/or others.
- 680-545 AFRO-AMERICAN LITERATURE, 1800 TO THE PRESENT 3 cr**
A survey of essays, prose fiction, drama, and poetry written by Afro-Americans from the colonial period to the present.
- 680-546 SURVEY OF MODERN DRAMA 3 cr**
Analysis of trends and developments in the modern theatre from Ibsen's realistic plays to off-off-Broadway drama with emphasis on literary history and staging problems.
- 680-547 BRITISH LITERATURE: 1900-1950 3 cr**
A survey of the development of the British novel from 1900 to 1950, with an emphasis on the rise of modernism. Studies of selected works by Forster, Ford, Lawrence, Woolf, Joyce, Orwell, and Bowen, and others.
- 680-548 AMERICAN LITERATURE: 1900-1950 3 cr**
A survey of American literature from 1900 through 1950, concentrating on major poets and writers of prose fiction, including Frost, Eliot, Hemingway, Steinbeck and Faulkner.
- 680-549 MODERN AMERICAN AND BRITISH LITERATURE: 1950 TO PRESENT 3 cr**
A study of the literature of the post-World War II era. Special emphasis on the contemporary theme of the search for values.
- 680-553 MODERN POETRY 3 cr**
An intensive study of major twentieth century American and British poets.
- 680-568 AMERICAN MINORITY WOMEN WRITERS 3 cr**
A survey of poetry, fiction, drama, and essays written by Afro-American, Spanish-American, and Native American women.
- 680-572 TECHNICAL AND SCIENTIFIC WRITING 3 cr**
Practice in expository, descriptive, and report writing, with special application to technical and scientific subject matter.
- 680-573 POETRY WRITING 3 cr**
An intensive course in the writing of poetry, considering examples from some of the best contemporary verse, as well as criticism by students and the instructor of student work.
- 680-575 FICTION WRITING 3 cr**
Theory, techniques, and practice of the writing of fiction. Graduate students will be required to write 75 pages and to complete a critical study of creative writing publications.
- 680-576 SCREENWRITING 3 cr**
Practical experience in writing scripts for cinema and/or television, with special emphasis on the creative, theoretical, and critical processes.
- 680-578 PROSE STYLISTICS 3 cr**
Introduction to analysis of prose style through intensive study of a broad range of contemporary styles ranging from popular to business, technical and academic styles. Application of the principles of style in student writing.
- 680-581 SURVEY OF LINGUISTICS 3 cr**
A detailed survey of the techniques, issues, and controversies in theoretical linguistics.
- 680-582 HISTORY OF THE LANGUAGE 3 cr**
A detailed study of change and the conditions for change in the sounds, vocabulary, and grammar of English from its first records through the present.
- 680-583 MODERN GRAMMATICAL THEORY 3 cr**
A study of traditional, structural and transformational-generative grammars.

- 680-585 TOPICS IN LINGUISTICS (variable topic) 3 cr**
Advanced study of a branch of linguistics or of the application of a branch of linguistics to a cognate field, e.g., pedagogy or literary criticism, the particular topic to be published before registration. Repeatable only with change of topic.
- 680-600 CHAUCER 3 cr**
A study of the language and art of Chaucer as he reflects the culture of his time.
- 680-602 ENGLISH RENAISSANCE POETRY AND PROSE 3 cr**
A study of English literature from 1500-1660 (excluding Milton) with emphasis on the works of Sidney, Spenser, Donne, Jonson, and Marvell.
- 680-603 RENAISSANCE DRAMA EXCLUDING SHAKESPEARE 3 cr**
A study of Tudor and early Stuart drama, exclusive of Shakespeare.
- 680-604 SHAKESPEARE 3 cr**
A study of the works of Shakespeare which will include representative genres and which will not duplicate works studied in 680-605.
- 680-605 SHAKESPEARE 3 cr**
A study of the works of Shakespeare which will include representative genres and which will not duplicate works studied in 680-604.
- 680-606 MILTON 3 cr**
A study of the principal works in poetry and prose of John Milton.
- 680-613 RESTORATION AND EIGHTEENTH CENTURY THEATRE AND DRAMA 3 cr**
A survey of English drama from 1660 to 1800, with attention divided between representative plays and conventions of the theatre.
- 680-614 PROSE AND POETRY OF THE RESTORATION AND EIGHTEENTH CENTURY 3 cr**
A survey of English prose and poetry from 1660 to 1800.
- 680-616 THE AGE OF ROMANTICISM 3 cr**
A study of the prose and poetry of the major writers of the Romantic period in English literature.
- 680-620 VICTORIAN AND EDWARDIAN LITERATURE 3 cr**
A survey of Anglo-Irish literature in the Victorian and Edwardian periods (c. 1830-1914), emphasizing the movement of ideas in the period from romanticism to modernism.
- 680-661 MAJOR WRITERS (variable topic) 3 cr**
Intensive study of the works of a major writer or related writers and their contributions to literature and culture, the particular topic to be published before registration. Repeatable only with change of topic.
- 680-663 19TH CENTURY WOMEN WRITERS 3 cr**
A survey of the works of American and English women writers of the 19th century that explores the literary achievements of women and their significance for us today.
- 680-664 TWENTIETH CENTURY WOMEN WRITERS 3 cr**
A study of significant American and British women writers of the twentieth century.
- 680-671 CURRENT THEORIES OF COMPOSITION FOR TEACHERS 3 cr**
A course in theories and methods of teaching composition, including practice in the evaluation of student writing.
- 680-677 THE CURRENT WRITING SCENE 3 cr**
An intensive study of the range of current writing, with practice in written composition which may qualify students for professional employment.
- 680-678 APPLIED PROSE WRITING FOR DESKTOP PUBLISHING 3 cr**
Intensive training in applying stylistic skills to diverse practical writing situations, developing literary editing and publishing skills, and using desktop publishing technology; students will write a group of texts and publish them in various formats as appropriate.
- 680-688 ADVANCED WRITERS' STUDIO 3 cr**
A closely guided program of instruction in writing, determined in consultation with the instructor, ranging from creative writing to scholarly analysis. May be taken for credit no more than twice.
- 680-690 WORKSHOP 1-3 cr**
- 680-691 TRAVEL STUDY 1-3 cr**
- 680-694 SEMINAR 3 cr**
- 680-696 SPECIAL STUDIES 2-4 cr**
Repeatable only with change of topic.

680-701	LANGUAGE IN SOCIETY	3 cr	680-789	RESEARCH IN ENGLISH	3 cr
	Historical growth and continuing development of the English language and its uses in society, including a study of current usage and principles for evaluating language in use. For experienced elementary and secondary school teachers who have completed the lower division course requirements in English and who have not had similar work.			Designed to acquaint the student with specialized references, printed compilations and other library resources, and to familiarize the student with techniques and famous examples of literary investigation. Note: This course may be substituted for 424-740 by English submajors.	
680-720	TEACHING WRITING	3 cr	680-790	WORKSHOP	1 cr
437-720	A survey of techniques for guiding students through the composing process and improving their ability to write. Students will become familiar with recent research on writing and will design writing activities to be used in middle and secondary schools. Practice in writing will be an important part of the course. Unreq: 437-720.			Repeatable only with change of topic.	
680-730	TEACHING LITERATURE	3 cr	680-793	PRACTICUM	1-3 cr
437-730	A survey of techniques and theories in the teaching of fiction, poetry, and drama in middle and secondary schools. Students will read and discuss current writings about the teaching of literature, investigate selected topics that show the connection between theories of literature and teaching practices, and participate in a variety of demonstrations. The course will be team-taught by a faculty member from the College of Education and a faculty member from the Department of English.		680-794	SEMINAR	1-3 cr
680-744	BRITISH COMMONWEALTH AND POST-COLONIAL LITERATURE SINCE 1945	3 cr	680-796	SPECIAL STUDIES	1-3 cr
	A survey of selected writing in English since 1945 from Commonwealth and post-colonial societies such as Australia, New Zealand, Canada, the West Indies, Nigeria, Kenya, South Africa, and India.		680-798	INDIVIDUAL STUDIES	1-3 cr
680-747	AMERICAN NOVELISTS	3 cr	680-799	THESIS RESEARCH	1-2 cr
	A study of the American novel, form and content. Intensive reading of selected novels.				
680-749	MODERN LITERATURE	3 cr			
	A study of selected poems, novels, plays and short stories of significant twentieth century writers from Yeats, Joyce and Shaw through Frost, O'Neill and Herringway.				
680-771	STUDIES IN SPECIAL TOPICS	3 cr			
	Analysis and discussion of a significant aspect of language or literature or of a theme expressed in a variety of works, the particular topic to be published before registration.				
			FOREIGN LANGUAGES (702, 704, 708)		
			FRENCH (702)		
			702-690	WORKSHOP	1-3 cr
			702-691	TRAVEL STUDY	1-3 cr
			702-694	SEMINAR	1-3 cr
			702-696	SPECIAL STUDIES	1-3 cr
			GERMAN (704)		
			704-690	WORKSHOP	1-3 cr
			704-691	TRAVEL STUDY	1-3 cr
			704-694	SEMINAR	1-3 cr
			704-696	SPECIAL STUDIES	1-3 cr
			SPANISH (708)		
			708-690	WORKSHOP	1-3 cr
			708-691	TRAVEL STUDY	1-3 cr
			708-694	SEMINAR	1-3 cr
			708-696	SPECIAL STUDIES	1-3 cr

GEOGRAPHY (722)

SPECIALIZED COURSES

- 722-520 METEOROLOGY AND CLIMATE** 3 cr
Begins with fundamental relationships among earth, sun and air. Common myths concerning weather phenomena are dispelled through in-depth explanation in everyday language of the physical laws that govern atmospheric functioning. The course terminates with a survey of world climate regions.
Prereq: 722-210 or consent of instructor.
- 722-523 WATER RESOURCES** 3 cr
Following a treatment of the character, process-involvement, and distribution of water, the significance of water as a resource in a modern society will be considered. The course will culminate in an evaluation of the development-management, use, and conservation of water within the contexts of the hydrologic cycle and watershed. Field trips are normally taken.
Prereq: 722-210 or consent of instructor.
- 722-537 RECREATION REGIONS AND SYSTEMS** 3 cr
Initial segments of the course focus upon an evaluation of spatial elements of the recreation phenomenon and the development of recreation areas for the express purpose of providing a background for subsequent analysis of existing recreation plans and formulation of a conceptual framework for the development of future recreation regions. Field trips are normally taken.
Prereq: 722-230 or junior standing or consent of instructor.
- 722-550 REGIONAL ANALYSIS AND PLANNING** 3 cr
After an overview of the techniques of regional analysis, the role of state, regional, and county governments in development planning is discussed with emphasis upon short/long range planning and zoning. The decision making role of citizens, elected officials, and planners within a planning context is an integral part of the course. Field trips are normally taken.
- 722-610 PHYSIOGRAPHY OF NORTH AMERICA** 3 cr
A study of the structure, development and interpretation of the landforms in each of the physiographic regions of the United States, Canada and Mexico. Field trips are normally taken.
Prereq: 722-210 or 722-310, or consent of instructor.
- 722-644 URBAN LAND USE PLANNING** 3 cr
A study of the historical, social and political framework of the urban land planning process with primary emphasis on the United States. Exposure to professional planning approaches and techniques and a critical analysis of plans and planners are stressed. Field trips are normally taken.
Prereq: 722-344 or 880-352 or 820-446 or 230-438 or consent of instructor.
- 722-675 AIR PHOTO INTERPRETATION** 3 cr
An introduction to the use of aerial photographs for measurement purposes, and the identification, classification, and mapping of agricultural, urban, industrial, and landform patterns through the use of aerial photographic techniques. Field trips are normally taken.
- 722-690 WORKSHOP** 1-8 cr
- 722-691 TRAVEL STUDY** 1-3 cr
- 722-694 SEMINAR** 1-3 cr
- 722-696 SPECIAL STUDIES** 1-3 cr
Repeatable once for a maximum of 6 credits.
- 722-702 WORLD POPULATIONS AND RESOURCES** 3 cr
An analysis of the elements of the earth's human populations and their resource bases and related problems.
- 722-761 ANGLO AMERICA** 3 cr
A study of Canada and the United States of America with an emphasis on the systematic approach. Regions will be selected from microgeographic studies.
- 722-766 GEOGRAPHY OF SUB-SAHARAN AFRICA** 3 cr
A thematic, geographical analysis focusing on the major regions of Africa south of the Sahara. Emphasis will be placed on the particular problems and potentials of development within the selected regions.
- 722-780 HISTORY AND NATURE OF GEOGRAPHY** 3 cr
A combination lecture and seminar course about the development of geographic thought. The course will include the compilation of biographies of noted geographers.
- 722-790 WORKSHOP** 1-6 cr
- 722-794 SEMINAR** 1-3 cr

722-798	INDIVIDUAL STUDIES	1-3 cr	740-525	WOMEN IN THE WESTERN WORLD 3 cr	A study of the historical position of women in western civilization from classical antiquity through the nineteenth century in the reality of everyday experience and in the context of philosophic, moral, literary, and legal evidence and/or commentary.
722-799	THESIS RESEARCH	1-6 cr			
GEOLOGY (616)					
616-690	WORKSHOP Repeatable. Prereq: Consent of instructor.	1-3 cr	740-526	HISTORY OF CONTEMPORARY WOMEN FROM 1800 3 cr	A comparative historical study of the role of women in representative societies of the modern world - the United States, Scandinavia, Soviet Russia, China, Britain and the Commonwealth - in the reality of everyday experience and in the context of philosophic, economic, social, aesthetic, legal, and political structures and commentary.
616-694	SEMINAR	1-3 cr			
616-696	SPECIAL STUDIES Repeatable. Prereq: Consent of instructor.	1-3 cr			
616-701	BASIC CONCEPTS IN GEOLOGY 3 cr Covers the important aspects of both physical and historical geology. Laboratory studies will stress the recognition of the common rocks, minerals and fossils with an emphasis on those found in Wisconsin. Two or three field trips will be conducted for field studies. Open to all students who have not had 616-100, 616-202 or their equivalents in other institutions.		740-571	HISTORY OF RUSSIA TO 1815 3 cr	A survey of Russian history to 1815, emphasizing its relationship to major problems in European history.
			740-572	HISTORY OF RUSSIA SINCE 1815 3 cr	A survey of Russian history in the nineteenth and twentieth centuries, emphasizing relationships to major European and world problems.
HISTORY (740)					
740-505	INDUSTRIAL AMERICA 1877-1919 3 cr A study of the United States from the Compromise of 1877 through World War I, emphasizing the origins, growth and problems of, and response to, industrialism and new trends in American foreign policy.		740-580	GERMANY AND CENTRAL EUROPE TO 1815 3 cr	A survey from the beginnings to the Congress of Vienna, emphasizing the development of German political and cultural traditions.
740-506	AMERICA IN PROSPERITY, DEPRESSION AND WORLD WAR II: 1919-1945 3 cr An analysis of the political, economic and social trends in the United States during the Roaring Twenties, the Great Depression, and American participation in World War II.		740-581	MODERN GERMANY 3 cr	A survey from the Congress of Vienna to the present, emphasizing the successive solutions to the question of German political organization.
740-507	RECENT AMERICA, 1945 TO THE PRESENT 3 cr A study of American society, diplomacy, economics, and politics from the end of World War II to the present.		740-600	DIPLOMATIC HISTORY OF THE UNITED STATES TO 1898 3 cr	A survey of American diplomatic history to 1898, stressing principles and practice, economic and political aspects and expansion.
740-515	WOMEN IN AMERICAN HISTORY 3 cr A study of the historical position of women of various racial, ethnic, religious, and social backgrounds in America from colonial times to the present. The reality of everyday experience as well as the philosophical, social, legal, political, and economic context will be studied. Prereq: 740-105 or 740-124 or 740-125 or 890-100 or consent of instructor.		740-601	DIPLOMATIC HISTORY OF THE UNITED STATES SINCE 1898 3 cr	A survey of American diplomatic history since 1898, emphasizing the United States as a great power, changing economic and political realities, American intervention in two world wars, and contemporary trends.
			740-603	HISTORY OF THE AMERICAN WEST 3 cr	A study of the exploration, and settlement of the trans-Mississippi West with special emphasis on the fur-trading era, Plains Indians, and the mythology of the West. Slides are used extensively to illustrate the lecture topics.

- 740-610 HISTORY OF MODERN MIDDLE EAST 3 cr**
A survey of modern and contemporary history of the Middle East, emphasizing its internal structures, institutions and interests.
- 740-620 THE HISTORY OF BLACK AMERICA 3 cr**
A study of the Afro-American from African beginnings to the present, emphasizing the development of white and black racial attitudes, the development of slavery, the growth of Afro-American institutions and race organizations, Blacks in American politics, Afro-American intellectual life, economic life and Black culture.
- 740-624 AMERICAN INDIAN HISTORY 3 cr**
A study of the role of the American Indian in United States history with special emphasis on red-white relations, United States government policies, Plains Indian culture and the problems of Indians in American society.
- 740-632 BANDITRY, REBELLION AND REVOLUTION IN MODERN CHINA 3 cr**
An examination of violent socio-political upheavals in China beginning with the White Lotus Rebellion and culminating with the Communist Revolution.
- 740-633 TWENTIETH CENTURY JAPAN 3 cr**
A discussion of Japan's emergence into the modern world centering on the Japanese transformation from a secluded feudal nation to a powerful industrialized state.
- 740-651 ANCIENT CIVILIZATION 3 cr**
A study of the civilization of the Ancient Near East, of Greece, and of Rome.
- 740-652 MEDIEVAL CIVILIZATION 3 cr**
A survey of basic political, socioeconomic, cultural and religious trends in European history from A.D. 300 to 1500.
- 740-653 THE FRENCH REVOLUTION AND NAPOLEON 3 cr**
A study of the revolutionary and Napoleonic periods of French history (1788-1815), and the relation of the developments of those periods in Europe to modern political and constitutional concepts and institutions.
- 740-658 SOCIAL AND CULTURAL HISTORY OF EUROPE TO 1800 3 cr**
A study of the interaction of ideas and social and political institutions, with an emphasis on the Enlightenment and early romanticism.
- 740-660 HISTORY OF TWENTIETH CENTURY EUROPE 3 cr**
A survey of the political, economic, social, and cultural history of Europe since about 1914.
Prereq: 740-155 or equivalent.
- 740-690 WORKSHOP 1-6 cr**
- 740-694 SEMINAR 1-3 cr**
- 740-696 SPECIAL STUDIES 1-3 cr**
- 740-705 HISTORIOGRAPHY AND HISTORICAL RESEARCH 3 cr**
A study of selected historical writings with treatment of the practical experience in the techniques of historical research, writing, and critique adapted to the individual preparation of the students.
- 740-707 RECENT AMERICAN HISTORY 3 cr**
The economic, political and social development of the twentieth century.
- 740-710 SEMINAR IN EARLY AMERICAN HISTORY 3 cr**
A reading seminar addressing significant topics in American history through Reconstruction. The seminar will be structured so as to also permit students to pursue historical topics related to their graduate programs and their teaching assignments. May be repeated.
Prereq: Teaching license in a social studies field or in elementary education or equivalent of an undergraduate minor in history.
- 740-711 SEMINAR IN RECENT AMERICAN HISTORY 3 cr**
A reading seminar addressing significant topics in American history since the mid-1800's. The seminar will be structured so as to also permit students to pursue historical topics related to their graduate programs and their teaching assignments. May be repeated.
Prereq: Teaching license in social studies field or in elementary education or equivalent of an undergraduate minor in history.
- 740-716 SEMINAR IN TWENTIETH CENTURY AMERICA 3 cr**
Concentration on specific studies within selected areas of the twentieth century. An evaluation of historical evidence will be stressed and conflicting interpretations of events will be evaluated.
- 740-790 WORKSHOP 1-6 cr**
- 740-794 SEMINAR 1-3 cr**

- 740-796 SPECIAL STUDIES 1-3 cr
- 740-798 INDIVIDUAL STUDIES 1-3 cr
- 740-799 THESIS RESEARCH 1-6 cr

MATHEMATICS AND COMPUTER SCIENCE (760,765)

MATHEMATICS (760)

760-542 APPLIED STATISTICS 3 cr
 This course will cover the basics of statistical testing, regression analysis, experimental design, analysis of variance, the use of computers to analyze statistical problems.
 Prereq: 760-253 or 760-250 or consent of instructor.
 Unreq: 230-245.

760-555 MATRICES AND LINEAR ALGEBRA 3 cr
 Systems of linear equations, vector spaces, linear dependence, bases, dimension, linear mappings, matrices, determinants, quadratic forms, orthogonal reduction to diagonal form, eigenvalues, geometric applications.
 Prereq: 760-254 or concurrent registration.

760-565 LINEAR PROGRAMMING 3 cr
 A study of the vector-matrix theory and computational techniques of the simplex method, duality theorem, degeneracy problem, transportation problems and their applications to engineering and economics. Programming and machine solution of linear programming problems.
 Prereq: 760-171 and 760-355/555, or consent of instructor.

760-575 DEVELOPMENT OF MATHEMATICS 3 cr
 A study of the development of mathematical notation and ideas from prehistoric times to the present, with special emphasis being placed on elementary mathematics through the calculus. The development and historic background of the new math will be included.
 Prereq: Consent of instructor.

760-580 PATTERNS OF PROBLEM SOLVING 3 cr
 This course will expose students to a variety of techniques useful in solving mathematics problems. The experiences gained from this course can be applied to problems arising in all fields of mathematics. The student will have the chance to see how some general techniques can be used as tools in many areas. Homework for this course will consist mostly of solving a large number of mathematics problems.
 Prereq: 760-280 or consent of instructor. (Consent will be given to students with substantial interest in problem solving, and adequate preparation.)

760-615 MODERN ALGEBRA AND NUMBER THEORY FOR THE ELEMENTARY TEACHER 3 cr
 An introduction to modern algebra with special emphasis on the number systems and algorithms which underlie the mathematics curriculum of the elementary school. Topics include sets, rings, integral domains, rational numbers, real numbers, complex numbers and polynomials. Students may not receive credit for both 760-615 and 760-652.
 Prereq: Consent of instructor.

760-616 GEOMETRY FOR THE ELEMENTARY TEACHER 3 cr
 A study of the intuitive, informal geometry of sets of points in space. Topics include elementary constructions, coordinates and graphs, tessellations, transformations, problem solving, and symmetries of polygons and polyhedra.
 Prereq: 760-112 and 760-152.

760-617 THEORY OF NUMBERS 3 cr
 A study of the properties of integers, representation of integers in a given base, properties of primes, arithmetic functions, modulo arithmetic, Diophantine equations and quadratic residues. Consideration is also given to some famous problems in number theory.
 Prereq: 760-415/615, or 760-452/652, or consent of instructor.

760-631 TOPOLOGY 3 cr
 An introduction to point-set topology, including such topics as topological spaces, mappings, connectedness, compactness, separation axioms, metric spaces, complete spaces, product spaces and function spaces.
 Prereq: 760-255 and either 760-280 or consent of instructor.

760-641 PROBABILITY THEORY 4 cr
 Probability spaces, discrete and continuous random variables, mathematical expectation, discrete and continuous distributions, Monte Carlo examination of techniques, and stochastic processes.
 Prereq: 760-255 or consent of instructor.

- 760-642 MATHEMATICAL STATISTICS 3 cr**
This course will cover sampling distributions, the theory of estimation, Bayesian estimation, hypothesis testing, nonparametric tests, and linear models.
Prereq: 760-441/641 and either 760-355 or consent of instructor.
- 760-646 ACTUARIAL MATHEMATICS 3 cr**
This course will discuss the actuarial profession and the insurance industry, provide direction to students wishing to take the first few actuarial examinations, thoroughly cover the theory of interest, and introduce the basic concepts of actuarial mathematics.
Prereq: 760-441, or concurrent registration.
- 760-652 ALGEBRAIC STRUCTURE OF THE NUMBER SYSTEM 3 cr**
An introduction to abstract algebra with emphasis on the development and study of the number systems of integers, integers mod n , rationals, reals, and complexes. These offer examples of and motivation for the algebraic structures of ring, integral domain, field, polynomial ring, ideal and quotient ring.
Prereq: 760-355/760-555 or 760-255. Unreq: 760-415/615.
- 760-653 MODERN ALGEBRA I 3 cr**
Introduction to the theory of groups. Definition and examples of groups, normal subgroups, quotient groups, homomorphisms, permutation groups, and Sylow's theorem.
Prereq: 760-355/760-555 or consent of instructor.
- 760-654 MODERN ALGEBRA II 3 cr**
Continuation of Modern Algebra I, 760-453/653. Rings, integral domains, fields, the examples of numbers, polynomials and matrices, homomorphisms, ideals, quotient rings, unique factorization, field extensions, further topics from groups or rings.
Prereq: 760-453/653 or consent of instructor.
- 760-658 APPLIED MATHEMATICAL ANALYSIS I 3 cr**
A course in numerical and series solutions for ordinary differential equations, the Laplace transform, boundary value problems, Fourier series, vector analysis and its physical applications.
Prereq: 760-255 and 760-361.
- 760-659 PARTIAL DIFFERENTIAL EQUATIONS 3 cr**
Fourier analysis, partial differential equations and boundary value problems, complex variables, and potential theory.
Prereq: 760-361.
- 760-663 FUNCTIONS OF A COMPLEX VARIABLE 3 cr**
A study of the algebra of complex numbers and the calculus of the functions of a complex variable. Analytic functions, complex integrals, calculus of residues, conformal mapping and applications are thoroughly studied.
Prereq: 760-255.
- 760-664 ADVANCED CALCULUS I 3 cr**
Rigorous treatment of the differential and integral calculus of single variable functions, convergence theory of numerical sequences and series, uniform convergence theory of sequences and series of functions.
Prereq: 760-255 and 760-280.
- 760-665 ADVANCED CALCULUS II 3 cr**
Differential and integral calculus of functions of several variables, calculus of vector valued functions, inverse and implicit function theorems.
Prereq: 760-355 and 760-464/664.
- 760-671 NUMERICAL ANALYSIS I 3 cr**
Emphasis on numerical algebra. The problems of linear systems, matrix inversion, the complete and special eigenvalue problems, solutions by exact and iterative methods, orthogonalization, gradient methods. Consideration of stability and elementary error analysis. Extensive use of microcomputers and programs using a high level language such as PASCAL.
Prereq: 760-171 and 760-355/760-555.
- 760-672 NUMERICAL ANALYSIS II 3 cr**
Emphasis on algorithmic approach to numerical analysis. Methods of iteration, interpolation and approximation applied to numerical differentiation and integration and to solution of nonlinear systems, difference equations, ordinary and partial differential equations. Consideration of rounding error and numerical stability. Extensive use of microcomputers and programs using a high level language such as PASCAL.
Prereq: 765-171 and 760-471.
- 760-690 WORKSHOP 1-3 cr**
- 760-694 SEMINAR 2 cr**
- 760-696 SPECIAL STUDIES 1-3 cr**
Prereq: Consent of instructor.

<p>760-730 TOPICS IN PROBABILITY AND STATISTICS FOR EDUCATORS 3 cr</p> <p>This course offers to school teachers the principles of probability and statistics with the aim of preparing students to teach those topics. Emphasis will be placed on the key concepts of probability theory, techniques of descriptive statistics, some elements of inferential statistics, many applications of these concepts to the sciences and social sciences, and student presentations of these topics.</p> <p>Prereq: 760-152. Unreq: 760-342 or 760-441.</p>	<p>765-507 SMALL COMPUTER APPLICATIONS 3 cr</p> <p>This course will treat the programming and applications of small computers, as well as their architecture, design and social impact. Graduate students will be required to submit a programming project usually related to an aspect of their employment.</p> <p>Prereq: 765-171 or consent of instructor.</p>
<p>760-731 PROBABILITY AND STATISTICS FOR MATHEMATICS TEACHERS 3 cr</p> <p>This course is designed for middle school, junior high school, and high school teachers. Topics covered will be probability, discrete and continuous random variables, descriptive statistics, and some inferential statistics. Brief discussions of regression analysis, analysis of variance, survey sampling, and the use of computers in analyzing statistical problems will be included. Elementary calculus will be used in the course.</p> <p>Prereq: Graduate standing and a course in calculus that includes integration or consent of instructor.</p>	<p>765-572 INTERMEDIATE PROGRAMMING 3 cr</p> <p>Sequel to 765-171. Advanced programming language features, techniques, and data structures, learned through the implementation of larger programs; an introduction to algorithm analysis, program verification, recursion and data abstraction.</p> <p>Prereq: 765-171. Unreq: 950-231.</p>
<p>760-740 TOPICS IN DISCRETE MATHEMATICS 3 cr</p> <p>The study of discrete structures as opposed to the continuous mathematics of calculus. The major topics covered are: combinatorics (counting, permutations and combinations), and graphs and trees. Other topics include: mathematical logic, recursion, and the analysis of algorithms. The course will emphasize applications and problem solving.</p> <p>Prereq: Undergraduate mathematics major, undergraduate mathematics minor or consent of instructor.</p>	<p>765-612 COMPUTER ORGANIZATION AND SYSTEM PROGRAMMING 3 cr</p> <p>A study of general computer system organization, and architecture. Comparison of CPU and memory structure, instruction formats, addressing, flow of control and operating systems on different type of computers. Assembly language is used extensively to write systems programs.</p> <p>Prereq: 760-271 or consent of instructor.</p>
<p>760-790 WORKSHOP 1-6 cr</p>	<p>765-690 WORKSHOP 1-3 cr</p>
<p>760-794 SEMINAR 1-3 cr</p>	<p>Repeatable.</p> <p>Prereq: Consent of instructor.</p>
<p>760-798 INDIVIDUAL STUDIES 1-3 cr</p>	<p>765-694 SEMINAR 2 cr</p>
<p>760-799 THESIS RESEARCH 1-6 cr</p>	<p>765-696 SPECIAL STUDIES 1-3 cr</p>
	<p>Repeatable.</p> <p>Prereq: Consent of instructor.</p>
	<p>765-705 INTRODUCTION TO PROGRAMMING 3 cr</p>
	<p>This course is designed for the high school teacher who wishes to learn programming and computer science in order to apply them to the teaching of mathematics and science. An appropriate computer language is covered in detail including the use of files and elementary graphics. Students will write several application programs.</p>
	<p>Prereq: Graduate standing and a working knowledge of algebra.</p>
<p>COMPUTER SCIENCE (765)</p>	<p>765-790 WORKSHOP 1-3 cr</p>
<p>765-502 COMPUTER LOGIC AND MICROPROCESSORS 3 cr</p> <p>Structure of microprocessors and microprocessor systems, programming in machine language, computer logic and logic circuits, interfacing.</p> <p>Prereq: 765-171.</p>	<p>765-794 SEMINAR 1-3 cr</p>
	<p>765-798 INDIVIDUAL STUDIES 1-3 cr</p>

PHILOSOPHY (782) AND
RELIGIOUS STUDIES (786)

PHILOSOPHY (782)

782-590	FEMINIST PHILOSOPHY	3 cr
	An introduction to feminist philosophy including its relation to other philosophical traditions, its historical development, and its relevance to concerns in areas such as ethics, theory of knowledge, political philosophy, and philosophy of religion.	
782-690	WORKSHOP	1-3 cr
782-694	SEMINAR	1-3 cr
782-696	SPECIAL STUDIES	1-3 cr
782-798	INDIVIDUAL STUDIES	1-3 cr

RELIGIOUS STUDIES (786)

786-588	THE HOLOCAUST: GERMANY	3 cr
880-588	AND THE GENOCIDE OF THE JEWS	
	This course will examine the origins, implementation, and legacies of the Nazi Holocaust against the Jews. It is intended to help students gain an appreciation of the importance of the Holocaust to the Jewish experience, with understanding that other groups also were victimized. (Offered jointly with sociology). Prereq: 3 credits in Sociology, History, or Religious Studies.	
786-690	WORKSHOP	1-3 cr
786-694	SEMINAR	1-3 cr
786-696	SPECIAL STUDIES	1-3 cr
786-798	INDIVIDUAL STUDIES	1-3 cr

RACE AND ETHNIC CULTURES
(850, 852, 854, 856)

GENERAL (850)

850-580	RACE, ETHNICITY, AND SOCIAL	3 cr
860-580	JUSTICE: ISSUES FOR HELPING PROFESSIONALS	
	The course is designed to help students develop a greater understanding of the influence of one's race and ethnicity on the ways individuals perceive the world and the ways they are treated by others and by society. Within the framework of the helping professions, students will have the opportunity to examine their attitudes toward members of racial and ethnic minorities, develop ways to learn about the participation in and treatment of racial and ethnic minority groups in work, education, and social services, and examine ways to affect one's own attitudes and society to achieve social justice. Unreq: 860-580.	
850-690	WORKSHOP	1-3 cr
850-691	TRAVEL STUDY	1-3 cr
850-696	SPECIAL STUDIES	1-3 cr
850-790	WORKSHOP	1-3 cr
850-794	SEMINAR	1-3 cr
850-796	SPECIAL STUDIES	1-3 cr
850-798	INDIVIDUAL STUDIES	1-3 cr
	AFRO-AMERICAN STUDIES (852)	
852-520	A HISTORY OF BLACK MIGRATION	3 cr
	IN THE U.S.	
	This course will examine and analyze the impact of Black migration from rural south to the northern urban centers since the turn of the century.	
852-690	WORKSHOP	1-3 cr
852-691	TRAVEL STUDY	1-3 cr
852-694	SEMINAR	3 cr
852-696	SPECIAL STUDIES	1-3 cr
852-790	WORKSHOP	1-3 cr
852-794	SEMINAR	1-3 cr

852-796	SPECIAL STUDIES	1-3 cr	854-696	SPECIAL STUDIES	1-3 cr
852-798	INDIVIDUAL STUDIES	1-3 cr	854-790	WORKSHOP	1-3 cr
AMERICAN INDIAN STUDIES (856)					
856-690	WORKSHOP	1-3 cr	854-794	SEMINAR	1-3 cr
856-691	TRAVEL STUDY	1-3 cr	854-796	SPECIAL STUDIES	1-3 cr
856-696	SPECIAL STUDIES	1-3 cr	854-798	INDIVIDUAL STUDIES	1-3 cr
856-790	WORKSHOP	1-3 cr	PHYSICS		
856-794	SEMINAR	1-3 cr	PHYSICS (800)		
856-796	SPECIAL STUDIES	1-3 cr	SPECIALIZED COURSES		
856-798	INDIVIDUAL STUDIES	1-3 cr	800-503	MICROPROCESSOR LABORATORY	2 cr
CHICANO STUDIES (854)					
854-510	HISTORY OF CHICANOS IN THE U.S.: 19TH CENTURY ROOTS AND 20TH CENTURY DEVELOPMENT	3 cr	Laboratory experience in microprocessor addressing, digital logic circuits, microcomputer input and output techniques, digital to analog and analog to digital interfacing and device control by microcomputers. This course will not satisfy the laboratory work requirements for the physics major; the credit will count toward the major.		
Interprets historical events of the U.S. and their impact on the Chicano emphasizing 19th century roots and 20th century development. Takes an in depth look at implications of the Treaty of Guadalupe Hidalgo and 20th century Mexican Immigration.			Prereq: 800-175 (or 800-163) and 765-171; or concurrent registration in 765-302/502; or graduate standing with computer programming experience.		
854-520	POLITICS OF THE CHICANO	3 cr	800-610	MODERN PHYSICS I	3 cr
A comprehensive analysis of Chicano life as it relates to U.S. government institutions. Chicanos are presented in terms of their political, social and religious affiliations; their economic and occupational status; and their family life and language relationships to the U.S. Federal System of Government. This study views Chicanos from two separate perspectives: as a self-contained ethnic minority and as a part of the broader U.S. population.			A study of twentieth century physics. Topics covered include relativity, elementary quantum physics, atomic structure, elementary nuclear physics and fundamental particles. Three one-hour lectures per week. Prereq: 800-174, 800-175 or 800-162, 800-163 and 760-254.		
854-680	MEXICAN LITERATURE IN TRANSLATION	3 cr	800-611	MODERN PHYSICS LABORATORY I	1 cr
This course offers the student an opportunity to learn the traditions and heritage of Mexico. It traces the development of the Liberal Revolution in Mexico as seen through the 20th Century Mexican novel and short story.			A laboratory course in modern physics. The experiments performed in this course complement the lectures of Modern Physics I. It is recommended that this course be taken concurrently with Modern Physics I. One two-hour laboratory per week. Prereq: 800-410/610 or concurrent registration or consent of instructor.		
854-690	WORKSHOP	1-3 cr	800-612	MODERN PHYSICS II	3 cr
854-691	TRAVEL STUDY	1-3 cr	A continuation of Modern Physics I. Topics covered include statistical mechanics, atomic and molecular spectra, x-ray spectra, physics of the solid state and nuclear physics. Three one-hour lectures per week. Prereq: 800-410/610.		
854-694	SEMINAR	1-3 cr	800-690	WORKSHOP	1-8 cr
			800-691	TRAVEL STUDY	1-3 cr

800-694	SEMINAR	1 cr	POLITICAL SCIENCE (820)	
800-696	SPECIAL STUDIES Prereq: Consent of the instructor.	1-3 cr	820-501	POLITICAL SCIENCE RESEARCH METHODS 3 cr An introduction to basic research methods in political science. Topics will include various data collection and analysis techniques on the U.S. Presidency, the U.S. Congress, the U.S. Supreme Court, political socialization, political parties, interest groups, civil violence, rebellion, and revolution. Students will obtain "hands-on" experience with computer software designed specifically for political science and the social sciences. This is not a statistics course, and no previous knowledge of statistical methods is assumed. Prereq: A political science general studies course.
800-702	ELEMENTS OF PHYSICS A course which emphasizes the methods, principles, and concepts of physics and their effect on human endeavor. Enrollment is open to experienced teachers who have had an introductory course in physical science. Prereq: Admission to MS-Curriculum and Instruction: Science Emphasis or consent of instructor.	3 cr	820-516	POLICE AND CRIMINAL JUSTICE ADMINISTRATION 3 cr This course examines the administrative process within the criminal justice setting. Both administrative theories and principles as well as applications to the criminal justice system will be covered. Prereq: A political science general studies course.
800-790	WORKSHOP	1-6 cr	820-517	THE AMERICAN LEGISLATIVE PROCESS 3 cr The study of the organization and functioning of legislative bodies, with particular attention to Congress: Functions, membership, committee system, executive-legislative relations, pressure groups, lobbying, and movements for reform. Prereq: A political science general studies course.
800-794	SEMINAR	1-3 cr	820-518	THE AMERICAN PRESIDENCY 3 cr Analysis and discussion of the various roles of the President regarding his constitutional status and powers, nomination and election, administrative responsibilities, legislative and political leadership, and his role in the conduct of foreign relations. Prereq: A political science general studies course.
800-796	SPECIAL STUDIES	1-3 cr	820-520	PUBLIC POLICY AND ADMINISTRATION 3 cr A course to introduce students to the concepts and problems of public policy and administration. Emphasis will be given to the role played by individuals and groups in large organizations; theories of organization will be set forth and operations of governmental administrative agencies in the political world will be examined. Prereq: A political science general studies course.
800-798	INDIVIDUAL STUDIES	1-3 cr		
800-799	THESIS RESEARCH	1-6 cr		
ASTRONOMY (805)				
805-550	ASTROPHOTOGRAPHY FOR THE AMATEUR This course is designed for people interested in combining astronomy with photography through the media of telescope and camera. Techniques for photographing astronomical objects are presented in an activity-oriented format. Darkroom procedures for processing color slides, black/white and color prints are also included. One two-hour lecture and one two-hour laboratory per week. Prereq: Consent of instructor.	3 cr		
805-630	ASTRONOMY FOR TEACHERS An individualized course intended for teachers with limited astronomy background. Subject matter covered will depend on the needs and interests of the student. Each student does an experimental or observational project which is presented at the end of the course as a paper in a seminar. Prereq: Enrollment in this course is limited to those persons teaching at the K-12 grade levels or consent of the instructor.	3 cr		
805-690	WORKSHOP	1-5 cr		
805-798	INDIVIDUAL STUDIES	1-3 cr		

- 820-530 PUBLIC POLICY ANALYSIS 3 cr**
A systematic introduction to the study of public policy issues through a public policy/issue analysis and problem solving approach. It will also examine and explore other analytical models and approaches in the study of public problems and policy issues.
Prereq: A political science general studies course.
- 820-544 STATE AND LOCAL GOVERNMENT 3 cr**
A study of modern American state and local governments, their evolution from colonial beginnings, their problems, and their potential. Topics include constitutional revision, the role of governors, legislatures, and courts, forms of urban and rural government and state-local relations.
Prereq: A political science general studies course.
- 820-546 POLITICS IN WISCONSIN 3 cr**
A study of government and politics in Wisconsin. Policy formation and administration at both the state and local levels will be considered with attention to the main branches of government, political parties, interest groups, functions and services.
Prereq: A political science general studies course.
- 820-557 PUBLIC OPINION AND POLITICAL BEHAVIOR 3 cr**
An examination of public opinion in the United States as it concerns political and social behavior. Major topics are the acquisition of beliefs, leadership and opinion formation, voting behavior, and propaganda. Graduate requirements: In addition to meeting the regular requirements of the course, graduate students will be expected to complete a comprehensive research project using survey research methods.
Prereq: A political science general studies course.
- 820-560 RESOURCES FOR LEGAL RESEARCH 1 cr**
A course to acquaint students with the major resource materials for the study of law and the legal process with an emphasis on library assignments utilizing the various resources of the UW-Whitewater legal collection.
Prereq: A political science general studies course.
- 820-580 WOMEN AND POLITICS 3 cr**
This course is designed to acquaint the student with the roles of women in political life. Topics include effective civic participation, women's issues and the women's movement.
Prereq: A political science general studies course.
- 820-611 MODERN POLITICAL THOUGHT 3 cr**
An introduction to the principal political concepts and ideas of the modern period, including the writing of Machiavelli, Luther, Calvin, Locke, Hobbes, Rousseau, Hegel, Burke and others.
Prereq: A political science general studies course.
- 820-612 CONTEMPORARY POLITICAL THOUGHT 3 cr**
A study in depth of certain selected topics of contemporary importance, such as the resolution of power conflicts, the theory and practice of nonviolence and the existentialist dilemma.
Prereq: A political science general studies course.
- 820-613 CONSTITUTIONAL LAW 3 cr**
A study of judicial review, its meaning and nature. The development of constitutional relationships between the national government and the states as well as between the branches of the national government is considered.
Prereq: A political science general studies course.
- 820-614 THE CONSTITUTION AND CIVIL LIBERTIES 3 cr**
A course focusing on the constitutional development of equal protection and of the rights and freedoms of individuals and the limitations upon the powers of government, both state and national.
Prereq: A political science general studies course.
- 820-615 CRIMINAL JUSTICE AND THE CONSTITUTION 3 cr**
This course examines the role of the major participants in the criminal justice system - defendants, police, prosecutions, courts, and corrections - and the development of constitutional law regulating their behavior.
Prereq: A political science general studies course.
- 820-619 THE JUDICIAL PROCESS 3 cr**
A study of the American judicial system as a part of the larger framework of the political, social and economic systems of the nation. Emphasis will be on topics such as the judicial role, judicial organization and jurisdiction, judicial power and the decisional process rather than legal cases.
Prereq: A political science general studies course.
- 820-620 AMERICAN POLITICAL THOUGHT 3 cr**
A study of the fundamental political ideas of America and the political philosophers who espoused them from colonial times to the present.
Prereq: A political science general studies course.

- 820-621 PUBLIC PERSONNEL ADMINISTRATION** 3 cr
A critical study of problems of public personnel, with particular emphasis on the process of recruiting and managing people in the public services.
Prereq: A political science general studies course.
- 820-630 FORMATION OF PUBLIC POLICY** 3 cr
This course will examine the major public policy problems facing the United States today and the political processes seeking to resolve these problems. Special emphasis to be given to governmental cooperation in seeking to resolve these problems. An additional research paper will be required for the graduate students.
Prereq: A political science general studies course.
- 820-640 THE POLITICS OF GOVERNMENT BUDGETING** 3 cr
A course designed to introduce the students to the study of criteria for what services or functions should be undertaken by government and in what amounts. Analyzing the effects that government spending and taxes have on the behavior of the private sector of the economy and on the political system, and evaluating the problems and solutions for allocating tax burden equitably among different groups in the society.
Prereq: A political science general studies course.
- 820-646 POLITICS OF THE METROPOLIS** 3 cr
A treatment of social, economic, and political forms, structures, processes, and behavior in metropolitan communities. Ideas concerning the power structure and decision-making process, the role of the citizen, and the complex whole of metropolitan life will be discussed.
Prereq: A political science general studies course.
- 820-651 POLITICAL PARTIES** 3 cr
A study of the origin, development and contemporary functioning of political parties in the United States; the analysis of elections, and voting behavior and interest groups.
Prereq: A political science general studies course.
- 820-657 AMERICAN FOREIGN POLICY** 3 cr
An analysis of the forces and institutions involved in the establishment of American foreign policies. Emphasis is placed on the effect of the growth of American power and responsibility on the development of foreign policies.
Prereq: A political science general studies course.
- 820-660 GOVERNMENT AND POLITICS OF ASIA** 3 cr
A comparative study of the political structures, institutions and processes of the nations of Asia.
Prereq: A political science general studies course.
- 820-662 SOCIAL WELFARE POLICY** 3 cr
860-662 Provides students with the analysis and critical understanding of the policy issues surrounding historical and current social welfare program, of new social welfare issues and of policy decisions that lead to changes in programming. Community organization, as an intervention approach, will be explored.
Prereq: A political science general studies course.
Unreq: 860-662.
- 820-671 GOVERNMENT & POLITICS IN THE MIDDLE EAST** 3 cr
An intense investigation of the social, economic, and political conditions of Islamic, Arab and non-Arab countries of the Middle East. Topics include basic tenets of Islam; political culture, formation of nation-states, political systems (monarchies and republics), consequences of political development and modernization, and the role of the Middle East in international politics.
Prereq: A political science general studies course.
- 820-688 SEMINAR IN POLITICAL SCIENCE** 3 cr
An intensive investigation of the major ideas and problems of politics with emphasis on research methods and values in political science, discussions, reports on readings, research papers. Repeatable two times for maximum six credits.
Prereq: A political science general studies course.
- 820-689 SEMINAR IN PUBLIC ADMINISTRATION** 3 cr
A study of the complex aspects of administrative organization, behavior and decision-making in the area of public policy through the examination of a variety of pertinent cases.
Prereq: 820-320.
- 820-690 WORKSHOP** 1-6 cr
- 820-694 SEMINAR** 3 cr
- 820-696 SPECIAL STUDIES** 1-3 cr
- 820-741 AMERICAN POLITICS SEMINAR** 3 cr
This seminar will explore current topics in American Government and Politics. The subject of each seminar will involve an intensive examination of a single theme. May be repeated with a different theme. Repeatable one time for maximum of 6 credits.

- 820-760 COMPARATIVE POLITICS** 3 cr
An advanced course that examines approaches and methods in comparative analysis, types of political systems and topics of comparison.
Prereq: A political science general studies course.
- 820-790 WORKSHOP** 1-4 cr
- 820-793 INTERNSHIP IN POLITICAL SCIENCE** 1-12 cr
Study and work with a government unit or in some area of public affairs under the direction of a faculty supervisor. Students will have the opportunity to combine academic learning with practical experience in government and politics. Students may earn a maximum of 12 credits.
Prereq: A political science general studies course.
- 820-794 SEMINAR** 1-3 cr
- 820-798 INDIVIDUAL STUDIES** 1-3 cr
- PSYCHOLOGY (840)**
- GENERAL PSYCHOLOGY COURSES**
- 840-523 ANALYSIS OF HUMAN BEHAVIOR** 3 cr
Examines the relations of environmental variables to stability and change of individual human behavior by applying principles of respondent (reflexive behavior) and operant (non-reflexive behavior) analysis to such topics as personality, emotion, development, social behavior, learning, skill acquisitions, self-concept, behavior disorders and therapy, etc.; and includes a critical consideration of assumptions of behavioristic approaches in psychology.
- 840-545 BEHAVIOR DISORDERS** 3 cr
An introductory survey of abnormal psychology covering the clinical syndromes included in the diagnostic classification system of the American Psychiatric Association. Current research regarding causal factors, treatment, and outcomes supplement descriptions of maladaptive patterns of behavior.
- 840-620 PROFESSIONAL AND ETHICAL FOUNDATIONS IN SCHOOL PSYCHOLOGY** 3 cr
An examination of the history, foundations, legal/ethical, and role and function issues in school psychology. Particular attention will be focused on the exploration of specific models of school psychological service delivery, including direct intervention and school-based consultation with education and agency professionals.
Prereq: Admission to the School Psychology Program or consent of instructor.
- 840-624 HUMAN LEARNING** 3 cr
A survey of findings and theoretical analyses of how people acquire, forget, and transfer verbal information. The structures (sensory, short-term, and long-term memory) and processes (attention, encoding, storage, and retrieval) of human memory will be studied and related to the current theories of human information processing.
Prereq: 840-315 or 840-303 or equivalent with consent of instructor.
- 840-635 MATURITY AND OLD AGE** 3 cr
A review and analysis of the various types of adjustment associated with changes in physical, social, and psychological conditions as a person reaches the later adult years.
- 840-646 INTRODUCTION TO CLINICAL PSYCHOLOGY** 3 cr
A survey course designed to acquaint the student with the types of behavior, personality problems with which the clinical psychologist deals, the use of diagnostic methods including projective techniques, and to provide an orientation to the various methods of psychotherapy.
Prereq: 840-304 or 840-345, or consent of instructor.
- 840-651 INTERPERSONAL RELATIONS AND SOCIAL INTERACTIONS** 3 cr
Theory, research and exercises in interpersonal perception, communication, motivation, leadership and problem-solving within groups.
- 840-686 INTERVIEW AND PSYCHOTHERAPY TECHNIQUES** 3 cr
A review of the literature on interview techniques as a method of assessment and as a method of helping. Students will observe and discuss demonstrations conducted by faculty members. In addition, students will conduct, role-play, tape and analyze interviews themselves.
Prereq: 840-304 or 840-345 or consent of instructor.
- 840-690 WORKSHOP** 1-6 cr
- 840-694 SEMINAR** 1-3 cr
- 840-696 SPECIAL STUDIES** 1-3 cr
May be repeated with permission of department.
Prereq: 12 psychology credits or consent of the instructor.
- 840-777 THEORIES OF PSYCHOTHERAPY** 3 cr
An intensive and critical analysis of the major approaches to psychotherapy.
Prereq: 840-746 or 840-776 or consent of instructor.

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| <p>840-790 WORKSHOP 1-6 cr
Repeatable to 9 credits.</p> <p>840-794 SEMINAR 1-3 cr</p> <p>840-798 INDIVIDUAL STUDIES 1-3 cr</p> <p>SPECIALIZED COURSES</p> <p>840-594 DIRECTED RESEARCH IN PSYCHOLOGY 2 cr
Students, under faculty supervision, participate in some or all phases of research projects, literature search, design, data collection and analysis, and preparation of research reports. May be repeated as desired, but no more than six credits may count toward psychology major or minor requirements. Topics vary from term to term.
Prereq: 840-315 and/or permission of instructor.</p> <p>840-615 RESEARCH DESIGN 3 cr
Several research strategies will be investigated. These will include using questionnaires, attitude and personality research, and interview research. Some of the statistical techniques covered will be: t-tests, chi-square, and various correlational techniques. A thorough discussion of numerous analysis of variance techniques will constitute a major portion of this course.
Prereq: 840-215 or equivalent with consent of instructor.</p> <p>840-637 PSYCHOLOGICAL ASPECTS OF DEATH AND DYING 3 cr
A study of psychology of death, dying and bereavement, emphasizing stage theory, determination of death, children's view of death, terminal care, grief management, near-death experiences, euthanasia, ethical and legal issues, longevity and current research.
Prereq: 3 credits in psychology or consent of instructor.</p> <p>840-640 PSYCHOLOGICAL TESTS AND MEASUREMENTS 3 cr
Demonstrates the principles of psychological measurement. Demonstrates contents and uses of specific tests of mental ability, achievement, personality, interests, and special abilities. Field work: Group examination of regional schools' testing program - analysis of tests of this program.</p> | <p>840-644 PRINCIPLES OF BEHAVIOR MODIFICATIONS 3 cr
A survey of the various methods used in behavior modification programs. The background and theory of specific techniques will be carefully considered. The variables to be reviewed in establishing a sound program will be presented and evaluated.
Prereq: 840-303, 840-323, or equivalent with consent of instructor.</p> <p>840-652 ORGANIZATIONAL PSYCHOLOGY RESEARCH SEMINAR 3 cr
A study of research in applied social psychology relevant to solving problems resulting from patterns of organization and interaction; emphasizes formal organizations such as businesses and agencies, but includes other problem interactions as well. Provides opportunities to identify, research and develop solutions to problems in real and simulated organizations.
Prereq: 840-355 or 880-355.</p> <p>840-745 INDIVIDUAL INTELLIGENCE TESTING 3 cr
Nature of intelligence and basic characteristics of mental ability tests. An intensive study of the Stanford-Binet and Wechsler Scales with a particular emphasis on practice in administration, scoring, subtest groupings and analysis on the Stanford-Binet, functions and interpretations of Wechsler subtests, style and content of psychological report writing, and nondiscriminatory assessment.
Prereq: 840-615 and 840-640; admission to graduate study in the Psychology Department or consent of instructor.</p> <p>840-746 PSYCHOPATHOLOGY OF CHILDHOOD AND ADOLESCENCE 3 cr
A survey of the mental disorders of childhood and adolescence with an emphasis on diagnosis and treatment. Theoretical approaches and current research are also included.
Prereq: 840-345/545 or equivalent with consent of instructor.</p> |
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- 840-766 INTERVIEW AND PSYCHOTHERAPY - CHILD TECHNIQUES - CHILD** 3 cr
A review of theory and research in the area of children in school, with major emphasis on the therapeutic intervention and remediation skills applied in a school setting. Students will be managing actual cases in a school setting. They will be assigned school cases so that they can develop individual and group procedures in child psychotherapy needed as a school psychologist. Their skills practice will be guided by the theories and models developed in class.
Prereq: 840-746 or concurrent enrollment; admission to graduate study in the Psychology Department or consent of instructor.
- 840-767 INTERVIEW AND PSYCHOTHERAPY - ADOLESCENT TECHNIQUES - ADOLESCENT** 3 cr
A review of the theory and research in the area of adolescents in school, with the major emphasis on the therapeutic intervention and remediation skills applied in a school setting. Students will manage actual cases so that they can develop the individual and group skills in adolescent psychotherapy needed as a school psychologist. Their skills practice will be guided by the theories and models developed in class.
Prereq: 840-746 or concurrent enrollment; admission to graduate study in the Psychology Department or consent of instructor.
- 840-768 CLINICAL APPLICATIONS OF BEHAVIOR THERAPY** 3 cr
A practicum course which requires each student to work directly with children exhibiting a variety of problem behaviors. Each student will work with a minimum of one child, dealing with academic and behavioral problems in a school setting. Programs will be developed, implemented, and completed under the close supervision of the instructor. Class enrollment limit: 10.
Prereq: 840-444/844 and admission to graduate study in the Psychology Department or consent of instructor.
- 840-770 ASSESSMENT OF PERSONALITY** 3 cr
Objective, projective and subjective models of personality assessment are emphasized. A systems assessment approach that considers adaptive, visual-motor, cognitive, conative, social, and emotional components of personality are stressed. The individual case approach is utilized, and students receive supervised evaluation regarding application of assessment procedures. Nondiscriminatory theory and techniques necessary for assessment are reviewed.
Prereq: 840-745 or concurrent enrollment; admission to graduate study in the Psychology Department or consent of instructor.
- 840-782 COMPARATIVE SCHOOL PSYCHOLOGY AND SUPERVISED OVERSEAS FIELD WORK** 1-6 cr
This course is designed to provide school psychology graduates and school psychologists in the field with the opportunity to study and experience comparative school psychology in an overseas placement.
Prereq: Consent of instructor.
- 840-788 GRADUATE FIELD EXPERIENCE AND COMMUNITY MENTAL HEALTH** 2-12 cr
Practical experience in a community agency or institution providing community mental health services. Training and supervision of the students will be shared by members of the Psychology Department and by qualified community mental health psychologists. Repeatable to a maximum of 12 credits.
Prereq: One year of course work in the graduate school psychology program.
- 840-793A SUPERVISED CLINICAL PRACTICUM I** 6 cr
A two and one-half hour weekly seminar includes school psychological services involving the role, issues, ethics, laws and regulations pertaining to school psychology. Two days per week in a public school setting are required along with a minimum of one hour of supervision of the field placement experience.
Prereq: 840-745; 840-770; admission to graduate study in the Psychology Department or consent of instructor.
- 840-793B SUPERVISED CLINICAL PRACTICUM II** 6 cr
A two and one-half hour weekly seminar includes recent and innovative developments in school psychology, application of the consultant role in the form of an in-service program for school psychologists in the field, and other significant issues for practicing school psychologists. Supervision is also provided.
Prereq: 840-793A; admission to graduate study in the Psychology Department or consent of instructor.
- 840-795A INTERNSHIP IN SCHOOL PSYCHOLOGY I** 6 cr
The internship in School Psychology is a full-time placement experience (at least half of which takes place in a public school setting) providing the student with the opportunity to acquire proficiency in the area of School Psychology. Internship supervision is on campus and in work setting. Grading is on a pass/fail basis.
Prereq: The M.S.Ed. - School Psychology degree, Practicum I, Practicum II, and sixty credits defined by the SDPI (Wisconsin) toward Provisional School Psychology Certification.

- 840-795B INTERNSHIP IN SCHOOL PSYCHOLOGY II** 6 cr
 The internship in School Psychology is a full-time placement experience (at least half of which takes place in a public school setting) providing the student with the opportunity to acquire proficiency in the area of School Psychology. Internship supervision is on campus and in work setting. Grading is on a pass/fail basis.
 Prereq: The M.S.Ed. - School Psychology degree, Practicum I, Practicum II, internship in School Psychology I, and sixty credits defined by the SDPI (Wisconsin) toward Provisional School Psychology Certification.
- 840-799 THESIS RESEARCH** 1-6 cr
- SOCIAL WORK (860)**
- 860-501 ASSERTIVENESS TRAINING IN THE HELPING PROFESSIONS** 1 cr
 This course presents the principles of assertiveness training, uses experiential exercises to help students learn to present themselves more assertively, and prepares students to assist others to become more assertive. Content is focused on students who are planning a career in the helping professions.
- 860-502 GRIEF MANAGEMENT IN THE HELPING PROFESSIONS** 1 cr
 This course focuses on issues such as adjustment to the death of someone close, helping someone who is terminally ill, and coping with other losses—such as cherished relationships. The grief counseling content is intended for students who are planning a career in the helping professions.
- 860-503 MANAGING STRESS AND BURNOUT IN THE HELPING PROFESSIONS** 1 cr
 This course focuses on recognizing signs of destructive stress and the initial stages of burnout in the helping professions. Instruction is given in using a number of techniques for coping with stress, such as meditation, relaxation training, time management, social support systems, biofeedback, and life planning, as they apply to the helping professions.
- 860-511 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT 1** 3 cr
 This course is designed to provide the student with an understanding of the normal processes of sequential physical, emotional, and socio-cultural development from infancy to young adulthood. It will enable the student to better recognize and understand common stresses and crises affecting normal development and maturity and relate these to social work practice.
 Prereq: 860-102 and 630-120 or 442-271 and 840-104 or 840-211 and 880-140 or 880-250; one of these four may be taken concurrently.
- 860-512 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT 2** 3 cr
 This course is designed to provide the student with an understanding of the normal processes of sequential physical, emotional, and socio-cultural development from middle adulthood to old age. It will enable the student to better recognize and understand common stresses and crises affecting normal development and maturity and relate these to social work practice.
 Prereq: 860-311
- 860-537 SOCIAL SERVICE CONCERNS AND THE OLDER PERSON** 3 cr
 This course is designed to introduce the student to existing social services for the older person in the United States. It will include information regarding social services provided to assist the older person, an analysis of gaps in current services as well as a consideration of alternative solutions and social services.
 Prereq: Consent of instructor.
- 860-540 SEXUALITY FOR PROFESSIONAL GROWTH** 3 cr
 This comprehensive course is designed to add to students' knowledge and comfort in the area of human sexuality. Multi-media, lecture, and small group discussion techniques are used to explore issues as basic treatment skills, sex education, developmental sexuality, problem pregnancies, and common sexual dysfunctions.
- 860-546 ADMINISTRATION OF VOLUNTEER PROGRAMS** 3 cr
 This course is designed to provide students with the skills necessary to organize, establish, and run a volunteer program in a professional setting. The instruction includes development of skills in recruiting, training, and supervising volunteers as well as management skills in accountability, budgeting, administration and volunteer recognition.
 Prereq: Consent of instructor.

860-573 SOCIAL WORK PRACTICE III 3 cr

This course will cover advanced problem solving approaches for intervention with individuals, families, groups, organizations, and communities. The class will utilize simulated practice situations.

Prereq: 860-372 and 860-492 or consent of instructor.

860-580 RACE, ETHNICITY, AND SOCIAL JUSTICE: ISSUES FOR HELPING PROFESSIONALS 3 cr

The course is designed to help students develop a greater understanding of the influence of one's race and ethnicity on the ways individuals perceive the world and the ways they are treated by others and by society. Within the framework of the helping professions, students will have the opportunity to examine their attitudes toward members of racial and ethnic minorities, develop ways to learn about the participation in and treatment of racial and ethnic minority groups in work, education, and social services, and examine ways to affect one's own attitudes and society to achieve social justice.

Unreq: 850-580.

860-662 SOCIAL WELFARE POLICY 3 cr

This course is designed to provide students with knowledge about the process of social welfare policy formulation and implementation and with policy analysis skills. The effects of social welfare policies and organizations on both clients (especially the poor and minorities) and on workers will be emphasized.

Prereq: 860-371 and 820-141. Unreq: 820-662.

860-682 SOCIAL WORK RESEARCH 3 cr

This course is designed to familiarize the student with basic concepts of social work research methodology and statistics, to develop competency in evaluating research literature and to develop beginning skills in evaluating social work practice.

Prereq: Consent of instructor.

860-690 WORKSHOP 1-6 cr**860-694 SEMINAR 3 cr****860-696 SPECIAL STUDIES 1-3 cr****860-790 WORKSHOP 1-6 cr****860-794 SEMINAR 1-3 cr****860-798 INDIVIDUAL STUDIES 1-3 cr****SOCIOLOGY (880)****880-520 THE SOCIOLOGY OF RETIREMENT, AGING, AND DEATH 3 cr**

This course examines the emergence of old age as a "problem" in industrial societies. Topics considered include: aging in cross-cultural and historical perspective; social security and welfare systems devised to cope with the problems of the aging; retirement as a "role-less role," old age institutions and lifestyles; death, dying, and bereavement; and the future of retirement, aging and death.

880-525 WHITE-COLLAR CRIME 3 cr

An examination of the patterns, causes, costs, and strategies of controlling non-traditional crime committed by persons of respectability and high social status. Topics covered include: occupational crime and employee theft, the mafia and criminal syndicates, corporate crime, and governmental crime. Particular attention is given to the origin and control of criminal behavior that helps organizations achieve their operational goals. Additional requirements for 880-525: The reading of several additional books in the area of white-collar crime as well as an extensive research paper on some aspect of the course.

880-554 THE CONSTRUCTION OF SOCIAL CONSCIOUSNESS AND SOCIETY 3 cr

An analysis of the diverse ways individuals have experienced their role in society, their attempts to understand the behavioral events around them, and the many ways social consciousness and society have been articulated.

880-555 SOCIAL PSYCHOLOGY 3 cr

An examination of the process and results of human interaction with an emphasis on attitudes and attitude change, society and personality, intergroup relations and processes of socialization.

880-557 PUBLIC OPINION AND POLITICAL BEHAVIOR 3 cr

An examination of public opinion in the United States as it concerns political and social behavior. Major topics are the acquisition of beliefs, leadership and opinion formation, voting behavior, and propaganda. In addition to meeting the regular requirements of the course, graduate students will be expected to complete a comprehensive research project using survey research methods.

880-562 POPULATION DYNAMICS 3 cr

A study of the development of world population and the social significance of different population sizes and growth rates; emphasis on the social determinants of fertility, mortality, and migration.

- 880-570 JUVENILE DELINQUENCY 3 cr**
A study of the incidence of delinquency, theories and findings regarding causation and the policies designed for treatment and prevention.
- 880-580 ORGANIZATIONS AND SOCIETY 3 cr**
An examination of the growth and role of organizations in society with specific attention to American society.
- 880-586 SOCIOLOGY OF THE THIRD WORLD 3 cr**
A lecture/discussion course focusing on the social implication of change and stability in the institutional structures and processes of Third World societies. Emphasis is given to the role of population, poverty, ideology, technology, resources, planning, and other factors as they relate to the current status and future of Third World countries. Graduate students will prepare a research paper in addition to the undergraduate requirements.
- 880-588 THE HOLOCAUST: GERMANY AND 3 cr**
786-588 THE GENOCIDE OF THE JEWS
This course will examine the origins, implementation, and legacies of the Nazi Holocaust against the Jews. It is intended to help students gain an appreciation of the importance of the Holocaust to the Jewish experience, with understanding that other groups also were victimized. (Offered jointly with religious studies).
Prereq: 3 credits in Sociology, History, or Religious Studies.
- 880-610 SOCIOLOGY OF HEALTH AND 3 cr**
ILLNESS
This course examines the sociocultural aspects of health and illness, the patient-practitioner relationship, the professionalization and socialization of health practitioners, the social organization of health care services, and the role of ethics in medical decision-making. It analyzes the problems and inequities in our present system of health care delivery in the United States, with particular emphasis on the sexism, racism, and classism in policy and practice. It analyzes alternative models of health care delivery, and discusses modifications in policy and practice necessary to bring about change. Graduate students will prepare a research paper in addition to the undergraduate requirements.
- 880-651 SOCIAL STRATIFICATION AND 3 cr**
SOCIAL INEQUALITY
An analysis of the causes, consequences, and remedies of inequalities in power, income, wealth, authority, ethnic and social status.
- 880-655 SOCIOLOGY OF THE FAMILY 3 cr**
An analysis of the family as a social institution with emphasis on its development, characteristics, and condition in a rapidly changing social milieu.
- 880-659 SOCIOLOGY OF MINORITIES 3 cr**
An examination of the circumstances under which widely diversified segments of the population may constitute a minority, and hence be subject to differential and unequal treatment in a society. Particular consideration is given to the existence of discrimination, segregation and prejudice, the various forms which each may take, and the relations among them providing the structure of minority-dominant group relations.
- 880-665 EXTRAORDINARY GROUPS: 3 cr**
THE SOCIOLOGY OF INTENTIONAL COMMUNITIES
This course is a sociological analysis of a selection of unique groups in our society that illustrates its tremendous range of subcultural diversity. The groups studied are chosen for three reasons: they illustrate major sociological principles in concrete form, they are diverse, and they are interesting.
- 880-675 CONTEMPORARY SOCIOLOGICAL 3 cr**
THEORY
An advanced approach to the study of contemporary sociological theory, giving emphasis to the major assumptions, concepts, propositions and methodology of the main perspective.
- 880-676 METHODS OF SOCIAL RESEARCH 3 cr**
To acquaint the student with research methods in sociology and social science; the foundation of sociology in science, the role of theory in research, construction of research design, sampling, data gathering techniques and analysis and interpretation of data.
- 880-677 DATA COLLECTION AND ANALYSIS 3 cr**
Student designed group research projects will be conducted concurrently with the presentation of related class lectures and reading material. Students are expected to work in four or five person groups to formulate a research problem, collect data and perform analysis under the close supervision of the instructor.
- 880-690 WORKSHOP 1-6 cr**
- 880-694 SEMINAR 3 cr**
- 880-696 SPECIAL STUDIES 1-3 cr**

- 880-711 AMERICAN SOCIAL INSTITUTIONS 3 cr**
An analysis of the role, structure, and functions of American social institutions as frameworks for human interaction. Emphasis will be given to the relationship between institutional arrangements, class structure and individual action. Not to be enrolled in by students who have majored in sociology.
- 880-780 COMPARATIVE SOCIOLOGY 3 cr**
This course presents the comparative method and a comparative overview of selected social structures and processes in both advanced industrial and developing nations. Relationships among specific societies or sets of societies in one or more regions of the world will be discussed.
Prereq: A teaching license in a social studies field or graduate standing with an undergraduate major in sociology, political science, economics, geography or psychology or consent of instructor.
- 880-790 WORKSHOP 1-6 cr**
- 880-794 SEMINAR 1-3 cr**
- 880-798 INDIVIDUAL STUDIES 1-3 cr**
- 890-570 WOMEN: RACE AND ETHNICITY 3 cr**
This course will provide an examination of Native American, African American, Hispanic, and Asian American women in the broad areas of work, family/ community relationships, creativity, and social action.
- 890-592 WOMEN AND VIOLENCE 3 cr**
This course will analyze causes and effects of violence against women, forces and conditions that lead women to perpetrate violence, treatment of women as both victims and perpetrators by the criminal justice system, and strategies for ending violence.
- 890-690 WORKSHOP IN WOMEN'S STUDIES 1-6 cr**
Prereq: Consent of instructor.
- 890-694 SEMINAR 1-3 cr**
- 890-696 SPECIAL STUDIES 1-4 cr**
Repeatable.
Prereq: Consent of instructor.
- 890-793 INTERNSHIP IN WOMEN'S STUDIES 3 cr**
Work and study with an agency or institution related to women's issues. Students working under faculty supervision will combine academic learning with practical experience.
Prereq: 12 credits in courses approved for the Women's Studies minor and approval of Women's Studies Internship Committee.

WOMEN'S STUDIES (890)

- 890-501 MARRIAGE, FAMILY AND ALTERNATIVES FOR WOMEN 3 cr**
An intensive survey of issues concerning women's roles in marriage and family from the perspectives of the behavioral sciences and humanities.
Prereq: Consent of instructor.
- 890-503 WOMEN'S VOICES/WOMEN'S LIVES 3 cr**
A study of the lives of women in different ages and cultures. Women's roles in society as revealed in diaries, autobiography and biography are explored.
- 890-550 STAGES AND TRANSITIONS IN WOMEN'S LIVES 3 cr**
A study in the predictable adult stages in women's lives and specific transitions such as divorce, parenting, career decisions, widowhood, and entering or leaving employment.
- 890-560 WOMEN, SCIENCE, AND SOCIETY 3 cr**
Historical survey of women's contributions to science; case studies of modern women scientists; feminism and scientific knowledge. Graduate students will research and write a term paper on a topic to be discussed with the instructor.
- 890-794 SEMINAR 1-3 cr**
- 890-798 INDIVIDUAL STUDIES 1-3 cr**
- APPROVED WOMEN'S STUDIES COURSES IN OTHER DEPARTMENTS**
- ANTH 613-534 Women in Cross-Cultural Perspective 3 cr**
- ANTH 613-694 Seminar: Issues in Feminist Anthropology 3 cr**
- ANTH 613-694 Seminar: Women and Social Change 3 cr**
- ART 115-505 History of Women in Art 3 cr**
- SPCH 166-526 Communication and Gender 3 cr**
- ENGL 680-568 American Minority Women Writers 3 cr**
- ENGL 680-663 Nineteenth Century Women Writers 3 cr**
- ENGL 680-664 Twentieth Century Women Writers 3 cr**
- HIST 740-515 Women in American History 3 cr**
- HIST 740-525 Women in the Western World 3 cr**
- HIST 740-526 History of Contemporary Women from 1800 3 cr**
- PHIL 782-590 Feminist Philosophy 3 cr**
- PSCI 820-580 Women and Politics 3 cr**
- SCW 860-541 Sexuality for Professional Growth 3 cr**
- SOC 860-610 Sociology of Health and Illness 3 cr**

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CONSTITUTION OF THE GRADUATE FACULTY

ARTICLE I - Name

The name of this organization shall be the Graduate Faculty of the University of Wisconsin-Whitewater.

ARTICLE II - Purpose

The purposes of this organization are to formulate and to administer programs of graduate study as authorized by the Legislature of the State of Wisconsin and the Board of Regents of the University of Wisconsin System.

ARTICLE III - Membership

Section 1: Graduate Faculty members shall include those persons of the University of Wisconsin-Whitewater who qualify for and accept appointment as Graduate Faculty. Persons are "qualified" who have (1) an educational code of 1 as defined in the most recent version of the *Faculty Handbook*, (2) a rank of at least assistant professor, (3) a demonstration of successful scholarly activity (or artistic equivalents for professors in the fine arts), and (4) graduate-level subject matter competence and a record of successful teaching.

Section 2: Acceptance of appointment to the Graduate Faculty also carries with it the willingness of the member to transact graduate affairs. Graduate affairs include, but are not limited to, graduate admissions decisions and recommendations; graduate student academic advisement; Graduate Council and/or departmental graduate committee activities; candidacy and comprehensive examination responsibilities; theses, seminar or clinical paper development and evaluation; and graduate course instruction.

Section 3: Membership is limited to the Chancellor of the University and to those members of the administrative staff and faculty who are qualified as defined in Section 1 of this article.

Section 4: Individuals not meeting the above qualifications may be considered for election to the Graduate Faculty by petition, recommendation of a department and/or college graduate studies committee, and vote of the Graduate Council.

Section 5: Departments shall determine which of their faculty members meet the qualifications of Section 1 and shall forward a list of their graduate faculty to the Dean of Graduate Studies by the end of the first week of each semester.

Section 6: Persons transacting graduate affairs within a department must be members of the Graduate Faculty as defined in this article.

Section 7: In order for a person who is not a member of the Graduate Faculty to teach a graduate-level course and/or to transact other graduate affairs during a specific term, the Graduate Faculty of the department and the Dean of Graduate Studies must approve the exception. Appropriate documentation will be forwarded from the department to the Dean of Graduate Studies for review prior to submitting the timetable listing the exception to the academic dean's office.

ARTICLE IV - Meetings

Section 1: The Chancellor of the University is the ex-officio Chairperson of the Graduate Faculty. He may appoint the Dean of Graduate Studies to preside at meetings of the Graduate Faculty and perform all other executive duties.

Section 2: The Secretary shall be appointed by the Dean of the School of Graduate Studies. The Secretary need not be a member of the Graduate Faculty.

Section 3: Meetings shall be called by the Chairperson or his/her appointee when business warrants an assembly. The Secretary shall notify each member in writing a week before the meeting.

Section 4: A quorum shall consist of 20 percent of the membership.

ARTICLE V - Graduate Council

Section 1: The Graduate Council of the Graduate Faculty shall be composed of one Graduate Faculty member from each department offering a graduate course and one graduate student representative from each of the four colleges. The faculty representative shall be chosen by ballot by the Graduate Faculty members of that department. Student representatives shall be selected by their respective colleges. In addition, the Vice Chancellor and Dean of Faculties, the Dean of Graduate Studies, and the Dean of Library and Learning Resources shall be ex-officio members. The Dean of Graduate Studies shall preside over meetings of the Graduate Council.

Section 2: The term of office for faculty members shall be three years. One-third of the membership shall be elected each year. Student representatives shall be selected each year for a one year term.

Section 3: The Graduate Council shall serve as the executive committee of the Graduate Faculty. It shall receive, consider and take final action on all graduate matters including curriculum, administration and executive action, but excluding amendments to the Constitution.

Section 4: All actions of the Graduate Council are subject to review and change by the Graduate Faculty. By petition of at least 10 Graduate Faculty members or at the request of a department, a meeting of the Graduate Faculty shall be called to review an action of the Graduate Council.

Section 5: A quorum shall consist of 51 percent of the membership.

ARTICLE VI - Committees

Section 1: The Graduate School Committee for Planning, Coordination and Audit. This committee shall be composed of one graduate student and three faculty representatives from each college. Representatives shall be chosen by rules established by the colleges. The term of office for student representatives shall be one year. Faculty representatives shall serve three year terms with one-third of the membership selected each year. The Dean of Graduate Studies shall call and preside over an organizational meeting early in each fall semester for the purpose of electing a committee chairperson. The duties of this committee include reviewing and coordinating new graduate degree program proposals, assessing immediate and changing needs, auditing programs and recommending the phasing out of programs. It may also make recommendations on the development of new graduate degree programs.

Section 2: The Committee on Exceptions to Graduate Policy. This committee shall be composed of one Graduate Faculty member from each college and one graduate student. Faculty representatives shall be chosen by rules established by the colleges. The student representative shall be elected by the Graduate Council. Faculty members shall serve three year staggered terms. The term of office for the student member shall be one year. The Dean of Graduate Studies shall call and preside over an organizational meeting early in each fall semester for the purpose of electing a committee chairperson. The duties of this committee are to receive, review and take action on all student petitions for exceptions to and waivers of graduate school policies. Actions by the committee may be appealed to the Graduate Council.

Section 3: Terms of membership on all standing committees shall commence with the beginning of the fall semester. By the end of the preceding spring semester, departments and colleges shall report their selection of faculty representatives to fill new terms beginning in the fall. Student representative selection shall be reported by the end of the first week of the fall semester.

Section 4: Special committees may be appointed from time to time as the Graduate Faculty or the Graduate Council deem necessary. Special committees may be appointed by the Dean of Graduate Studies to address a specific issue or problem and to report their recommendations to the Graduate Council.

Section 5: It is recognized that the initiation and development of curriculum rests with the several departments and colleges. Therefore, colleges may form graduate studies committees to study and act on graduate matters prior to submission to the Graduate Council. The formation of these committees and their method and scope of operation shall be determined by the respective colleges, except that these committees may not abrogate the Teacher Education Council's guidelines that recommendations concerning graduate curricular requirements in teacher education programs, concerning new and/or changed policies and/or concerning revised or new programs, must be made by the Teacher Education Council before action by the Graduate Council. These Committees and the Teacher Education Council may not deny the right of an individual department or graduate faculty member to bring matters directly to the Graduate Council.

ARTICLE VII - Rules of Order

Section 1: All business shall be conducted according to the current edition of Robert's Rules of Order unless otherwise specified in this Constitution.

Section 2: All committees of the Graduate Faculty shall report to the Graduate Council. A minority report, if one exists, must be heard.

Section 3: All committee reports requiring action by the Graduate Council shall be presented in the form of a written motion at least one week prior to its presentation in the meeting.

ARTICLE VIII - Amendments

Section 1: Any member may propose an amendment to the Constitution by presenting it in writing to the Dean of Graduate Studies, who shall promptly distribute it in writing to the Graduate Faculty. At the first meeting of the Graduate Faculty held at least two weeks after distribution of a proposed amendment, a motion to adopt the proposed amendment shall be in order, and shall be itself subject to amendment.

Section 2: An amendment is adopted by a two-thirds vote of those present and voting.

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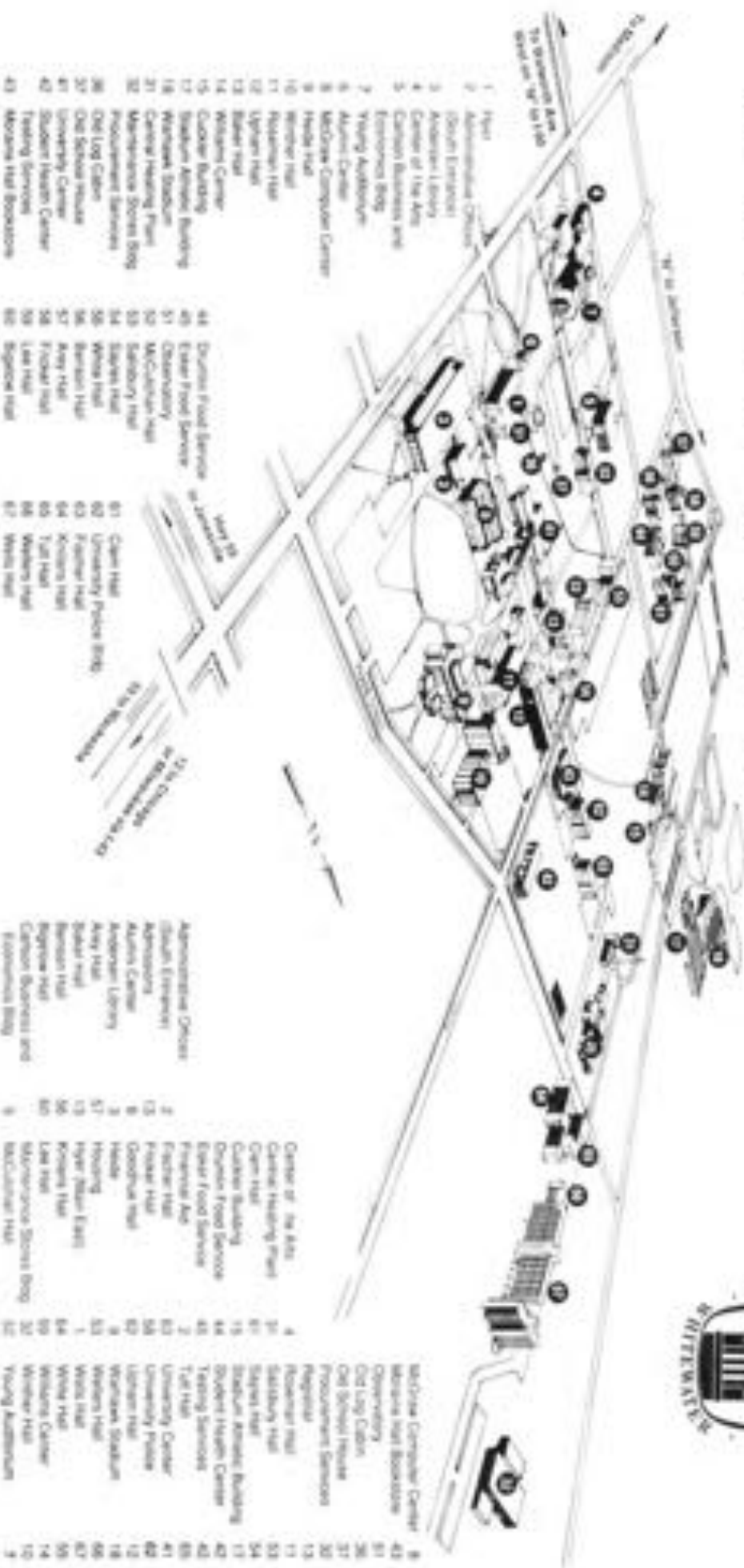
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