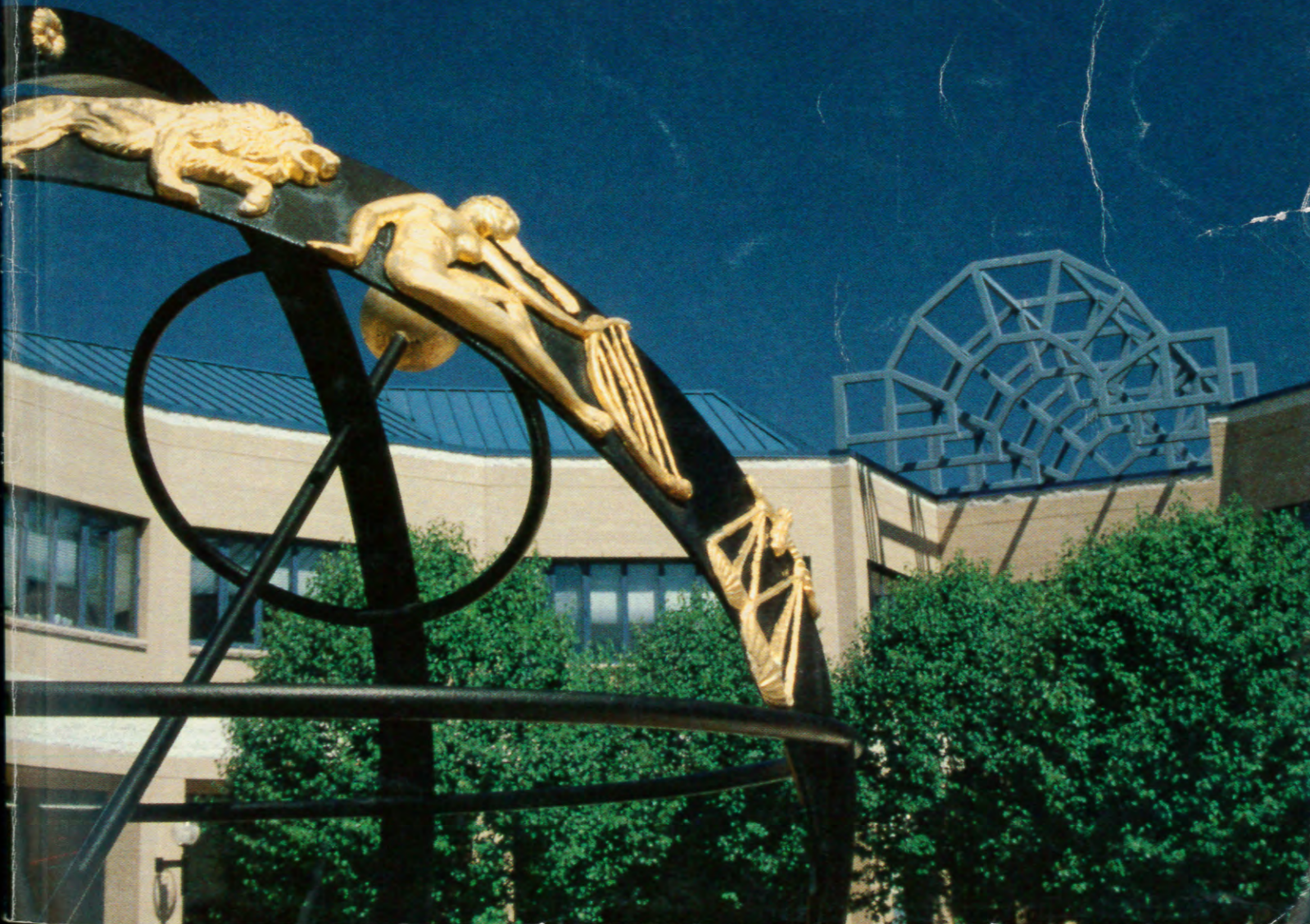


UNIVERSITY OF WISCONSIN
Whitewater

GRADUATE BULLETIN

1995-97



BULLETIN OF THE UNIVERSITY OF WISCONSIN-WHITewater**SCHOOL OF GRADUATE STUDIES****1995-97**

The information contained in this publication is based upon current regulations and policies of the University of Wisconsin-Whitewater. Those regulations and policies are directive in nature and binding on the personnel, including faculty, academic staff, classified staff, limited appointment staff, other staff, and/or students, to which they pertain.

Wisconsin Statutes, administrative rules, resolutions of the Board of Regents of the University of Wisconsin System, court decisions, opinions of the Attorney General, regulations and policies of the University of Wisconsin-Whitewater, and any other rules or decisions from an authoritative source applicable to the university, are among the sources of information in this publication. They are subject to change without notice.

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 and Continuing Education.

The University of Wisconsin-Whitewater is committed to equal opportunity in its educational programs, activities and employment policies for all persons regardless of race, color, gender, creed, religion, age, ancestry, national origin, disability, sexual orientation, political affiliation, marital status, Vietnam-era veteran status, parental status and pregnancy. Refer inquiries to the Assistant Vice Chancellor for Affirmative Action, University of Wisconsin-Whitewater, Whitewater, WI 53190.

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.

Chancellor's Message



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

College bulletins identify the curricula offered; specify the requirements of particular degrees, majors and minors; and set forth the expectations for students. As such this Bulletin serves as a "contract" between the University and the student.

My colleagues and I urge you to study this Bulletin carefully and to use it wisely. Whether you are taking one course or pursuing a degree, we stand ready to assist you in furthering your higher education.

H. Gaylon Greenhill
H. Gaylon Greenhill
Chancellor



OFFICE OF THE CHANCELLOR
800 West Main Street · Whitewater, WI 53190-1790 · Phone 414-472-1918 · FAX 414-472-1518

1995-97 CALENDAR

First Semester 1995-96

Orientation/Registration	August 28-September 1, 1995
Classes Begin	September 4, 1995
Labor Day	September 5, 1995
Thanksgiving Recess Begins 5:00 p.m.	November 22, 1995
Thanksgiving Recess Ends 7:45 a.m.	November 27, 1995
Commencement	December 16, 1995
Exam Period	December 14-22, 1995
Final Day of Semester	December 22, 1995

Second Semester 1995-96

Orientation/Registration	January 8-12, 1996
Martin Luther King Holiday	January 15, 1996
Classes Begin 7:45 a.m.	January 16, 1996
Spring Recess Begins	March 22, 1996
Spring Recess Ends 7:45 a.m.	April 1, 1996
Good Friday	April 5, 1996
Commencement	May 11, 1996
Exam Period Begins	May 6-16, 1996
Final Day of Semester	May 16, 1996

Summer Session 1996

Summer Session Begins	May 20, 1996
Summer Session Ends	August 9, 1996

First Semester 1996-97

Orientation/Registration	August 26-30, 1996
Labor Day	September 2, 1996
Classes Begin	September 3, 1996
Thanksgiving Recess Begins 5:00 p.m.	November 27, 1996
Thanksgiving Recess Ends 7:45 a.m.	December 2, 1996
Exam Period (Begins Saturday, December 14)	December 14-23, 1996
Commencement	December 21, 1996
Final Day of Semester	December 23, 1996

Second Semester 1996-97

Orientation/Registration	January 13-17, 1997
Martin Luther King Holiday	January 20, 1997
Classes Begin 7:45 a.m.	January 21, 1997
Spring Recess Begins 9:00 p.m.	March 21, 1997
Good Friday	March 28, 1997
Spring Recess Ends 7:45 a.m.	March 31, 1997
Commencement	May 17, 1997
Exam Period	May 12-20, 1997
Semester Ends	May 20, 1997

Summer Session 1997

Summer Session Begins	May 27, 1997
Summer Session Ends	August 15, 1997

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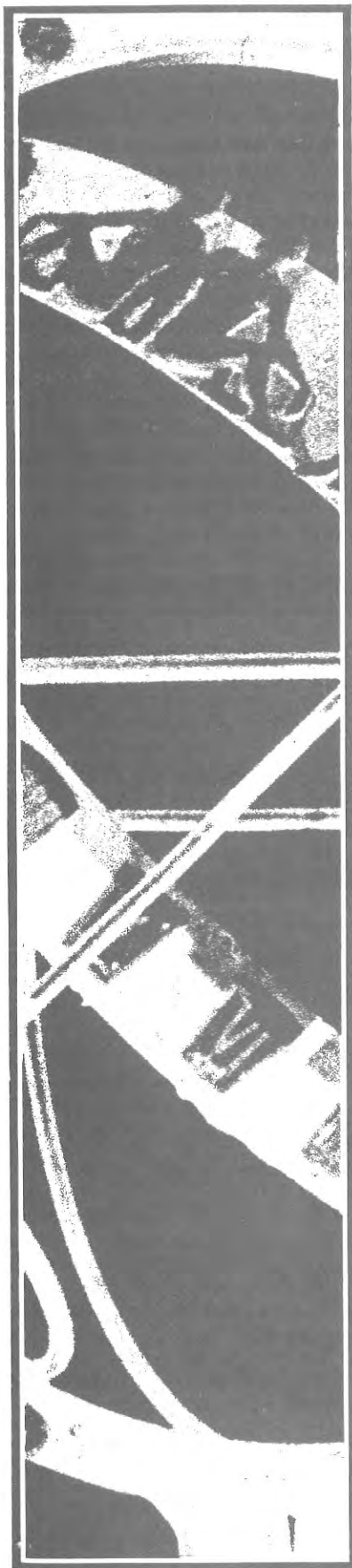
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Policies & Procedures

UNIVERSITY OF WISCONSIN
Whitewater

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 early 1960's, 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 9,059 master's degrees. It is presently the fourth largest graduate school in the UW System with 1,325 students enrolled during the fall of 1995.

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 2031, 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.P.A. - 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 must meet the criteria above for good standing status within the first 12 credits attempted, including repeated courses. 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 a 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.

The following matrix illustrates the number of credits that may be brought into a master's degree program:

	UW-W credits completed prior to term of admission	Credits completed at other institutions prior to term of admission	Total of UW-W & transfer credits completed prior to term of admission	Transfer credits completed after admission	Total NCFD and transfer credits
Effec. Fall 1993	Max. of 12	Max. of 9	Max. of 12	Max. of 9	Max. of 21

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 a \$38 non-refundable 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. Submit an official degree-bearing transcript from the institution that granted the bachelor's degree and that includes at least 60 semester hours of course work. If fewer than 60 semester hours of course work were completed at the degree-granting institution, additional official transcripts may be required at the discretion of the Graduate School.
3. In addition to the official bachelor's degree-bearing transcript, submit copies of transcripts for all undergraduate work that was applied to the bachelor's degree, if that course work was not included in the degree-bearing transcripts. These transcripts may be unofficial copies and may be submitted by the applicant.
4. Submit an official transcript showing completion of any master's or higher degrees.

5. Submit official transcripts for any other graduate work completed, if the work is to be considered for transfer into the student's degree program. If official transcripts for previously completed graduate work are not provided at the time of application to the program, credit for that work cannot be transferred at a later date.
6. Have official transcripts sent directly from the registrar's office at the institution where the work was completed to the School of Graduate Studies at UW-Whitewater. (Note: Transcripts from UW-Whitewater will be ordered by the Graduate School.) Transcripts faxed to UW-Whitewater or 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.
7. 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.
8. 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.
9. 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.
10. 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.

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 been enrolled in a graduate course for any of the three preceding terms, will be sent a registration form and a timetable of graduate classes for that term. (Materials are no longer mailed to individuals upon completion of their degree program.) 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.

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 and students who have completed their degree programs 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.

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 Licensure Office.

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) overall in 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 12 credits. 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.P.A. - Accounting

M.S. - Business Education

M.S. - Communication

M.S. - Curriculum & Instruction

M.S. - Guidance & Counseling

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 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.

Safety and Health Policy. The University of Wisconsin System will provide and maintain adequate facilities for a safe and healthy learning environment. It is the University's responsibility to work with faculty and staff so that they are equipped to educate their students on practices and procedures that ensure safety for all members of the university. Employees with instructional responsibilities are expected to comply with state and federal safety laws and regulations in their institutional areas. Certain courses and research projects require that the student work with hazardous materials while engaging in academic studies. Instructors of these courses and research projects shall inform and train students on procedures that will maintain the students' personal health and safety and provide them with information on the hazards of specific chemicals that will be used during their course of study. Furthermore, instructors will enforce and follow safety policies. Prior to use of hazardous materials and equipment, the student shall review the procedures and information, and discuss any associated concerns with the instructor.

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 and Sponsored Programs 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 and Sponsored Programs.

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 and a diploma with the Graduate Office early in the semester or the summer session in which they plan to graduate. Specific deadlines and fees are published in the current Graduate Timetable. 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. The fee is payable to UW-Whitewater. 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 Dean. 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.

GRADUATE COURSE INFORMATION AND POLICIES

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 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 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 focusing on areas of special interest for a variable number of credits under the sponsorship of an interested faculty member involving minimal 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.

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 1995-96 Graduate Fee Schedule

Credits	Resident Fee	Non-Resident Fee
9.0 & over	\$1,542.12	\$4,656.12
8.0	1,370.72	4,138.72
7.0	1,199.38	3,621.38
6.0	1,028.04	3,104.04
5.0	856.70	2,586.70
4.0	685.36	2,069.36
3.0	514.02	1,552.02
2.0	342.68	1,034.68
1.0	171.34	517.34
.5	85.67	258.67

Special Graduate Business Fees

Credits	Resident Fee	Non-Resident Fee
9.0 & over	\$1,715.62	\$4,829.62
8.0	1,524.80	4,292.80
7.0	1,334.20	3,756.20
6.0	1,143.60	3,219.60
5.0	953.00	2,683.00
4.0	762.40	2,146.40
3.0	571.80	1,609.80
2.0	381.20	1,073.20
1.0	190.60	536.60
.5	95.30	268.30

State Residency. Students who have been a bona fide resident of the State of Wisconsin for one full year prior to the beginning of the term of their enrollment are exempt from payment of nonresident tuition. Also, applicants who have been continuously employed full time in this state, and were relocated to Wisconsin by their current employer; or applicants who moved to Wisconsin for employment purposes and accepted current employment before applying for admission to UW-Whitewater, may, along with their spouse and dependents, be exempt from the payment of nonresident fees provided the person making application demonstrates an intent to establish and maintain a permanent home in Wisconsin.

In addition, persons may qualify as bona fide residents if they meet any of the following criteria:

- nonresident members of the armed forces (family included) stationed in the state, or members of the armed

forces who reside in Wisconsin and are stationed at a federal military installation located within 90 miles of the borders of Wisconsin;

- graduates 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;
- adult students who have been employed as migrant workers in the state for at least 2 months each year for 3 of the 5 years preceding the beginning of any semester or session for which they register at a university or center, or for at least 3 months each year for 2 of the 5 years preceding the beginning of the semester of enrollment;
- official refugees who moved to the state immediately upon arrival in the United States and who have resided in the state continuously; or
- minors or dependent adult students provided one or both parents have been bona fide residents of the state for at least 12 months preceding the beginning of the semester of enrollment.

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.

However, applicants who enter and remain in this state principally to obtain an education 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, Suite 400 Capitol Square, 550 Cedar Street, St. Paul, Minnesota, 55101. (Telephone: 612-296-5715 or 1-800-657-3866).

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 fall semester of the 1995-96 academic year, the cost of a double occupancy room in a residence hall was \$750. The cost of a 19 meal plan for 17 weeks was \$534. 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 be scheduled. 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. Failure to receive a bill will not relieve students from making payments by the required due dates.
- (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 1995-96 academic year was \$7,000. 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. Full-time graduate students enrolled in the College of Business and Economics are also eligible for special funds set aside by the college for remission of nonresident portions of tuition costs.

New applicants for degree programs must complete and return an application for admission and may apply 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 1995-96 academic year was \$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 grade point average or better. 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 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. 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.

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

Information Systems and Operations Services.

Information Systems and Operations Services develops, maintains, and implements computer systems that are needed for the University's administrative functions. University databases and standards are designed, implemented, and maintained to insure integrity, confidentiality, and effectiveness of information systems. Information Systems and Operations Services provides training and support in the use of administrative systems, and day-to-day operational services.

Library Services. The Library Services provides a variety of print and non-print materials to meet the information needs of students and their faculty. Over 1.7 million items are in the library collection, including over 356,000 books, 66,300 bound volumes of periodicals, 306,800 government publications, 993,000 microforms, and 7,300 audiovisual titles. The library subscribes to over 5,000 current periodicals and serials and a variety of electronic databases. Some of these are full text and full image databases such as UMI's Business Periodicals OnDisc which is housed locally and IAC's Expanded Academic Index ASAP which is accessed through Internet. The library's LAN can be remotely accessed by students located off campus. The library also provides easy Gopher and World Wide Web Access to Internet information resources throughout the world.

Networking and Telecommunications Services.

Networking and Telecommunications plans, develops, maintains and implements programs and services that meet the needs of the University's requirements in voice, data, video and local area networks. In particular, support is provided for Internet access, Novell networks, long-distance phone services, electronic mail and, in general, access to network-based information services.

User Training and Support Services. User Training and Support Services provides a wide array of services to the campus. Among these are a Help Desk for computing support, computing desktop support, instructional technology support for classrooms and labs, lab support, software instruction and training, multimedia development, distance education, research computing consulting, satellite services, video services, office automation support, photographic services, graphics services, and PC hardware and software maintenance and support.

Observatory. The 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 non-credit 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 Office of Teacher Licensing. 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 Licensure Office, Winther Hall Information Desk. 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 13 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 eleven sworn police officers, two part-time police officers and nine non-sworn employees.

Part of the mission of the University 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 Constitution, and to enforce state laws, codes and UW System regulations in a fair and just manner. The department works towards this goal by conducting investigations into alleged criminal activity, the implementation and presentation of crime prevention programs, development of new and innovative policing programs, effecting arrests, and referring individuals into the criminal justice system or conduct systems.

Anyone requiring the services of the University Police Department can contact them 24 hours a day, seven days a week, on the first floor Goodhue Hall, located behind the Bookstore, or by phoning 472-4660. Whether the victim of a crime, an injured person, a witness to an incident, someone who wants information or a presentation, or just someone who doesn't know where else to turn, the University Police stand ready to provide the necessary assistance.

University Health and Counseling Services. (Judith McNeely, 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 the evening and 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).

Health services include: consultation and treatment by physicians, nurse practitioners, and nurse clinicians for illnesses and injuries. Many laboratory tests (including cholesterol screening 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.

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 want 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 [V/TT]) 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 unique, specific mission to provide services for students with disabilities. As a result, the UW-Whitewater campus is one of the most accessible campuses in the nation. More than \$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) Pre-enrollment interview, evaluation and orientation.
- B) Transportation to and from class and activities on and off campus (Available for a weekly charge).
- C) Adopted 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."

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

Students For An Accessible Society ([SAS] 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, SAS 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 SAS, 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 Director of International 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 interface foreign and domestic cultures such as the International Dinner, Heritage Fair, UN Day, Host Family Program and International Week.

Study Abroad and Faculty Exchange. The Director of International Programs provides necessary services and assistance to students who are interested in participating in study abroad, travel, or exchange opportunities. In addition, the Director works closely with the Director of Faculty Exchange and Fulbright Programs.

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 old 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 - 5:30 pm during the spring and fall semesters and Monday through Friday 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 (MEC), located in UC 122, provides a friendly and inviting atmosphere which brings students, faculty and staff to its doors. The MEC has a wide array of multicultural resources that are available for students, staff and faculty. Some of these resources include information on campus activities, information on leadership programs, and an extensive multicultural library. In addition, the MEC is open to all

visitors during its regular hours: Monday-Wednesday from 9 a.m. to 8 p.m., Thursday from 9:00 a.m. to 6:00 p.m. and Friday from 9 a.m. to 4:30 p.m. Please contact the staff at 472-2798 with any questions about its resources or to reserve the facilities.

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 further 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, soccer, wrestling, 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, hang gliding, 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: Inter-Varsity Christian Fellowship, Catholic Student Association (Roman Catholic), Lutheran/Episcopal Student Association, Fellowship of Christian Athletes, Latter Day Saints Student Association, UW-W Gospel Choir, Foolish Wisdom Clown Troop, and WELS Campus Ministry. In addition, the Campus Ministry Center is affiliated with the following religious faiths: Catholic, Lutheran, Episcopal, and United Ministries in Higher Education (Presbyterian, Congregational United Church of Christ, United Methodist, and American Baptist). Local churches or off-campus houses maintained by religious organizations provide the facilities for religious and social programs. Some meetings are held in University facilities.

Cultural Affairs. UW-Whitewater students have the opportunity to see professional performances by nationally and internationally renowned theatre, dance, and music groups brought to campus by Cultural Affairs. This campus/community committee plans a season roster of ten to twelve

performing arts events each year. The series brings professional performances to the Whitewater stage and greatly enhances campus and community life. 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 Irvin L. Young Auditorium serves as host to several performing arts series including the Cultural Affairs Series, the "ILY Presents" (special events) series, as well as the "Horizons" school matinee and evening family programs. These auditorium-sponsored series account for twenty-five to thirty professional performing arts events held in the facility each year. The auditorium is also utilized for various music department and continuing education-sponsored activities.

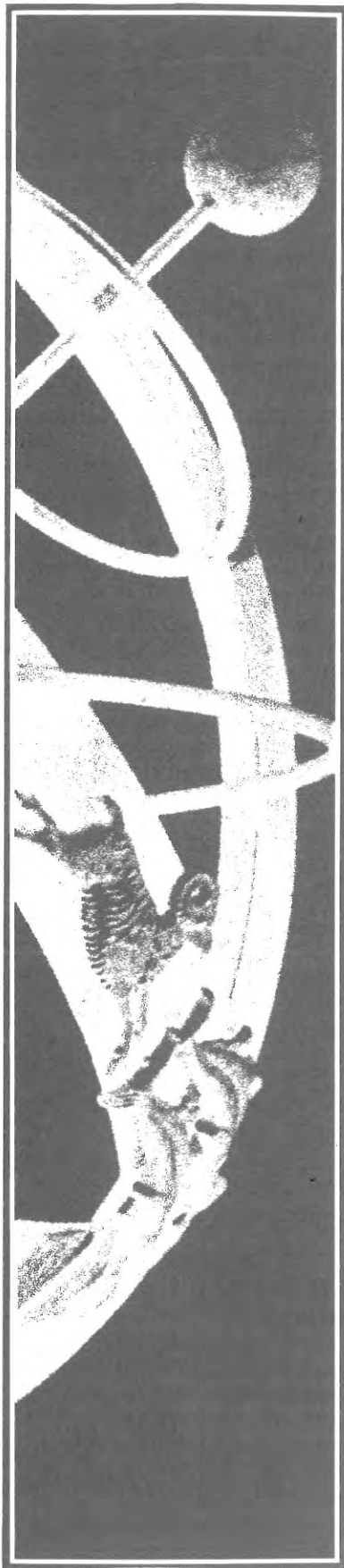
The unique design of the Irvin L. Young Auditorium features a graciously appointed auditorium chamber with approximately 1,300 seats, depending on configuration pattern and number of wheelchair seats utilized. Through lighting options and architectural arrangements, the auditorium can also achieve the 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 in this state-of-the-art facility.

One of the many striking areas is the Fern Young Terrace which offers unparalleled charm guaranteed to enhance any event it houses. The facility's Kachel Center 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 Fern Young Terrace and the Kachel Center can serve dual purposes as support spaces to complement 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.



College of
**Arts and
Communication**

UNIVERSITY OF WISCONSIN
Whitewater

Section II

COLLEGE OF ARTS AND COMMUNICATION

DEGREE PROGRAMS

COMMUNICATION

The Master of Science (M.S.) degree in Communication offers emphases in Corporate/Public Communication and Mass Communication, as well as Communicative Disorders (offered through the College of Education, see page 58). The Corporate/Public and Mass Communication emphases are designed to be practitioner-oriented—providing programs of graduate study designed to explore and develop a better understanding of how communication can be made more effective in a variety of different contexts. The Corporate/Public and Mass Communication emphases are designed for those who have professional goals in business and industry, training and development, education, politics, and mass media.

Program Coordinator:

Dr. Steve Shields
Heide 453 Phone (414) 472-5049

Department Secretary
Heide 465 Phone (414) 472-1034

Additional Admission Requirements:

Students must demonstrate an appropriate background through undergraduate course work or professional experience. Students found to lack an appropriate background will be required to complete relevant undergraduate courses.

Degree Requirements:

Thirty credits of course work plus one of the following: (1) an approved thesis and an oral defense or (2) a written comprehensive examination and an oral defense. For the thesis option, 1-3 credits of Thesis Research may count toward the 30 credits required. 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 number 700 or higher.

COMMUNICATION (M.S.)

PROFESSIONAL CORE-18 CREDITS

1. 166-701 READINGS IN COMMUNICATION RESEARCH
2. 166-722 ISSUES IN HUMAN COMMUNICATION THEORY
3. 166-785 METHODS OF COMMUNICATION RESEARCH
4. ELECTIVES-9 CREDITS OF COMMUNICATION COURSES SELECTED IN CONSULTATION WITH THE ADVISER.

EMPHASIS - 12 CREDITS

ONE OF THE FOLLOWING EMPHASES:

- A. CORPORATE/PUBLIC COMMUNICATION EMPHASIS
 1. 166-702 SEMINAR IN RHETORIC AND PUBLIC ADDRESS (TOPICS VARY; MAY BE REPEATED)
 2. 166-703 SEMINAR IN CORPORATE/PUBLIC COMMUNICATION (TOPICS VARY; MAY BE REPEATED)
 3. ONE OF:
 - 166-559 RHETORIC OF THE WESTERN WORLD
 - 166-659 COMMUNICATION CRITICISM
 - 166-645 PERSUASION: CAMPAIGNS AND SOCIAL MOVEMENTS
 4. ONE OF:
 - 166-527 INTRODUCTION TO ORGANIZATIONAL COMMUNICATION
 - 166-627 ASSESSING AND DEVELOPING COMMUNICATION COMPETENCIES IN CONTEMPORARY ORGANIZATIONS
 - 166-629 ORGANIZATIONAL COMMUNICATION AUDIT
- B. MASS COMMUNICATION EMPHASIS
 1. 164-794 SEMINAR (TOPICS VARY; MAY BE REPEATED)
 2. 164-731 EFFECTS OF MASS COMMUNICATION
 3. TWO OF:
 - 166-694 SEMINAR: CABLE TV AND NEW COMMUNICATION TRENDS AND POLICIES
 - 164-620 LAW OF MASS COMMUNICATION
 - 164-630 COMMUNICATION AND PUBLIC OPINION
 - 164-505 HISTORY OF MASS COMMUNICATION

COMMUNICATION COURSES (164, 166)

JOURNALISM (164)

164-505 HISTORY OF MASS

3 cr

166-505 COMMUNICATION

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.

166-530 CORPORATE AND INDUSTRIAL VIDEO PRODUCTION 3 cr

This video production course examines the uses of video technology in non-broadcast settings. Particular attention is spent on marketing, public relations, training and employee communication applications.
Prereq: 166-238.

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
166-631 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: 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
- 164-785 METHODS OF COMMUNICATION RESEARCH** 3 cr
An advanced-level graduate survey of methodologies and issues relevant to the practice of communication research.
- 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.
- 166-535 ADVERTISING VIDEO PRODUCTION** 3 cr
Students develop and apply advanced studio and field video production skills for the production of television advertising.
Prereq: 166-238.
- 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
Students develop 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 IN 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 READINGS IN COMMUNICATION RESEARCH** 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 CORPORATE/PUBLIC COMMUNICATION 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.

166-722 ISSUES IN HUMAN COMMUNICATION THEORY 3 cr

Advanced study and analysis of communication theories from various disciplinary viewpoints. Theories are discussed in terms of their assumptions, claims, strengths, and weaknesses.

166-731 EFFECTS OF MASS COMMUNICATION 3 cr

A course which examines the effects of mass media in our society. Theoretical bases for assessing social, behavioral, and cultural influences are emphasized.

166-785 METHODS OF COMMUNICATION RESEARCH 3 cr

An advanced-level graduate survey of methodologies and issues relevant to the practice of communication research.

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 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.

Program Coordinator:

Dr. Janet R. Barrett
Center of the Arts 2014 Phone (414) 472-1341

Department Secretary
College of Arts Phone (414) 472-1142

Additional Admission Requirements:

Applicants for admission must (1) have earned an undergraduate music education degree with licensure and (2) Submit an application for admission to the M.M.E. degree program before the completion of 6 graduate credits. The application requires the submission of a videotaped teaching example and an essay. Guidelines for the M.M.E. application can be obtained from the program coordinator.

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 final 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

1. 150-740 SEMINAR IN MUSIC EDUCATION RESEARCH TECHNIQUES
2. 150-741 PSYCHOLOGY OF MUSIC LEARNING AND TEACHING
3. 150-764 FOUNDATIONS OF MUSIC EDUCATION
4. 150-799 THESIS RESEARCH
5. 150-639 HISTORY OF JAZZ OR
150-640 HISTORY AND LITERATURE OF WIND BAND AND WIND ENSEMBLE OR
150-671 SEMINAR IN MUSIC HISTORY
6. 150-645 MEDIEVAL AND RENAISSANCE MUSIC OR
150-646 MUSIC OF THE BAROQUE PERIOD OR
150-647 MUSIC OF THE ROCOCO AND CLASSICAL PERIODS OR
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)
7. 150-654 COUNTERPOINT OR
150-655 FORM AND ANALYSIS OR
150-772 SEMINAR IN MUSIC THEORY
8. 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)
9. SELECT 2-4 CREDITS FROM COURSES
 150-780 GRADUATE APPLIED MUSIC
 150-781 GRADUATE APPLIED MUSIC
 150-782 GRADUATE APPLIED MUSIC
10. SELECT 3 CREDITS FROM COLLEGE OF
 EDUCATION
11. SELECT 6-7 ADDITIONAL CREDITS IN
 CONSULTATION WITH ADVISER
 150-538 APPLIED MUSIC PEDAGOGY IN VOICE
 150-661 ADVANCED JAZZ IMPROVISATION
 150-667 JAZZ ENSEMBLE TECHNIQUES
 150-668 MARCHING BAND TECHNIQUES
 150-745 THE GENERAL MUSIC PROGRAM:
 ISSUES
 150-756 ADVANCED CONDUCTING
 150-768 ADVANCED INSTRUMENTAL
 TECHNIQUES
 150-777 ADVANCED VOICE CLASS
 150-787 ADVANCED PIANO CLASS
 150-798 INDIVIDUAL STUDIES (1-2 CR)

MUSIC COURSES (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, Schulz, 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, passiccaglia, 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 classic-period 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 UW-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 from 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.

150-753 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 exceptional educational needs. Emphasis on the assessment of psychological, physiological and educational problems as related to music, the construction

of individual education programs and mainstreaming techniques appropriate to students with EENs. (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, drill design, show planning, music selection, auxiliary groups and rehearsal techniques.

Prereq: 150-252 or consent of instructor.

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.
- 150-764 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.
- 150-791 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

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

PROGRAMS OFFERING GRADUATE COURSEWORK

ART

No degree programs offered.

Contact:

Art Department
Center of the Arts 2073 Phone (414) 472-1324

ART COURSES (110, 115)

ART STUDIO (110)

110-524 WATERCOLOR 3 cr

S A studio course where exercises and experimentation with transparent watercolor pigments and techniques will be combined with art principles to form aesthetic creations in watercolor.

110-588 KINETIC ART/MULTIMEDIA DESIGN 3 cr

S This course is focused on the study of kinetic art and aesthetic interdisciplinary activities using graphics, typography, computer/video visual imaging and sound synthesis. Students will create time based digital multimedia presentations. Computer animation and design/illustration software applications, digital video effects, photo/video image processing, sound recording, interactive sequence scripting, sound synthesis and video production procedures contribute to the aesthetic aspects of multimedia and will be procedural/technical areas of exploration in this course. Repeatable to six credits. Prereq: 110-102 and 110-201 and 110-387 or consent of instructor.

110-608 ADVANCED DRAWING 3 cr

S 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

S 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.

110-644 SCULPTURE IV 3 cr

S Advanced studio experience in sculpture.
Prereq: 9 credits in sculpture.

110-645 SCULPTURE V: RESEARCH 3 cr

S 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

S Advanced studio experience in ceramics.
Prereq: 9 credits in ceramics.

110-655 CERAMICS V: RESEARCH 3 cr

S A highly specialized course offering directed studio research in a specific creative problem related to ceramics. Prereq: 9 credits in ceramics.

110-656 TECHNICAL STUDY IN CERAMICS 3 cr

S 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

S 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

S 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

S Emphasis is on conceptual, graphic design problem solving. The student studies contemporary design issues and develops design solutions. 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

S 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 COURSES (115)**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.

115-510 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

THEATRE/DANCE

No degree programs offered

Contact:

Theatre and Dance Department
Center of the Arts 2076 Phone (414) 472-1566

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

THEATRE/DANCE COURSES (131, 133)**DANCE (131)****131-530 PERFORMANCE ART 2 cr**

Performance Art is an avant-garde form of live art performance. In this course students will learn about the historical predecessors of Performance Art, be exposed to contemporary work through reviews, articles and videotapes, and create their own solo and group work to culminate in a public performance. Offered occasionally.

THEATRE (133)

(*Scheduling of offerings is subject to change.)

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 on-campus summer theatre productions. Offered summers only*.

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. Offered even-numbered springs*.

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. Offered even-numbered springs*.

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. Offered each spring*. 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. Offered odd-numbered springs*.
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. Offered odd-numbered falls*.
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. Offered odd-numbered falls*.
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. Offered even-numbered springs*.
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. Offered even-numbered falls*.
- 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. Offered odd-numbered springs*.
- 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. Offered even-numbered springs*.
- 133-690 WORKSHOP** 1-6 cr
Offered on demand.
- 133-691 TRAVEL STUDY** 1-3 cr
Offered on demand.
- 133-694 SEMINAR** 1-6 cr
Offered on demand.
- 133-696 SPECIAL STUDIES** 1-3 cr
Offered on demand.
- 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. Offered on demand.
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. Offered occasionally in summers.
- 133-790 WORKSHOP** 1-6 cr
Offered on demand.
- 133-794 SEMINAR** 1-3 cr
Offered on demand.
- 133-796 SPECIAL STUDIES** 1-3 cr
Offered on demand.
- 133-798 INDIVIDUAL STUDIES** 1-3 cr
Offered on demand.
- 133-799 THESIS RESEARCH** 1-6 cr
Offered on demand.



College of
Business
and Economics

UNIVERSITY OF WISCONSIN
Whitewater

Section III COLLEGE OF BUSINESS AND ECONOMICS

DEGREE PROGRAMS

ACCOUNTING

The Master of Professional Accountancy (M.P.A.) degree program is designed as a professional degree program for individuals who desire to become Certified Public Accountants. This program is designed to integrate with the Bachelor of Business Administration-Accounting (B.B.A.) degree program or as a first professional degree program for candidates with non-business undergraduate backgrounds. The M.P.A. program fulfills the 150 credit requirement of the American Institute of Certified Public Accountants. Each candidate will design a program in consultation with a program coordinator that will meet his/her individual needs and address the 30 credit minimum program requirement.

Program Coordinators:

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

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:
(GMAT score) + [200 x (overall undergraduate grade point average)], or a composite score of at least 1050 based upon the formula: (GMAT score) + [200 x (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.P.A.)

COMMON BODY OF KNOWLEDGE - 0-36 CREDITS
(REQUIRED IF NOT TAKEN AS UNDERGRAD)

1. 210-701 ACCOUNTING FOUNDATIONS
2. 210-725 PROFIT PLANNING AND CONTROL OR
210-726 MANAGEMENT COST ACCOUNTING

3. 230-703 STATISTICS FOUNDATIONS
4. 230-704 ECONOMIC FOUNDATIONS
5. 240-342 ADVANCED BUS. & COMMERCIAL LAW
6. 240-718 FINANCIAL MANAGEMENT
7. 240-721 THE LEGAL ENVIRONMENT OF BUSINESS
8. 250-705 INFORMATION SYSTEM FOUNDATIONS
9. 250-719 OPERATIONS MANAGEMENT
10. 250-720 ORGANIZATION THEORY & POLICY
11. 260-702 MATHEMATICS FOUNDATIONS
12. 260-716 MARKETING

ACCOUNTING CORE REQUIREMENTS - 24 CREDITS

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

ADVANCED TOPIC REQUIREMENTS - 12 CREDITS

1. 210-756 CORPORATE & SPECIAL ENTITIES TAX
2. 210-757 ISSUES IN FINANCIAL ACCOUNTING
3. 210-767 ADVANCED AUDITING
4. 210-781 ADVANCED ACCOUNTING THEORY I

CAPSTONE REQUIREMENT - 3-6 CREDITS

ONE OF THE FOLLOWING COURSES MUST BE TAKEN IN THE LAST SEMESTER (OR IN THE LAST 12 CREDITS FOR OUTREACH STUDENTS) OF THE STUDENT'S PROGRAM.

1. 250-788 BUSINESS POLICY & ENVIRONMENT
(IF 250-788 IS TAKEN AS THE CAP-STONE,
THEN 250-759 IS ALSO REQUIRED UNLESS
AN ETHICS COURSE WAS TAKEN AT THE
UNDERGRADUATE LEVEL.)
2. 250-759 BUSINESS AND SOCIETY
(IF 250-759 IS TAKEN AS THE CAP-STONE,
THEN 250-788 IS ALSO REQUIRED UNLESS
A POLICY COURSE WAS TAKEN AT THE
UNDERGRADUATE LEVEL.)

ELECTIVES - 0-15 CREDITS

TO BE CHOSEN IN CONSULTATION WITH THE ADVISER.
THE FOLLOWING ARE SUGGESTED ALTERNATIVES:

1. 230-736 BUSINESS CONDITIONS OR
230-737 MANAGERIAL ECONOMICS
2. 240-755 MULTINATIONAL BUSINESS FINANCE
OR
250-777 INTERNATIONAL MANAGEMENT OR
260-761 INTERNATIONAL BUSINESS
3. GRADUATE ELECTIVES

Additional Degree Requirements:

1. Students who have completed any of the required courses listed above before entering the M.P.A. program may substitute electives to complete the 30 credit requirement. Each candidate will complete their degree requirements by choosing one of the following, in consultation with a program coordinator: passing a comprehensive examination; writing a thesis; or completing an additional six credits of graduate coursework.

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.P.A. degree are offered in the evening on 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.

ACCOUNTING COURSES (210)

210-541 INTERMEDIATE ACCOUNTING I 3 cr

Interpretation and application of accounting principles and standards involving current assets and liabilities, the accounting cycle 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 other financial accounts not dealt with in 210-541 as well as leases, pensions, income taxes, 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 costs so as to predict future patterns, forecasting of

sales, production costing, cash, and other components, while stressing the need for profitability analysis and evaluation of management performance.
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, cost allocation, budgeting, profit planning and control, and pricing strategies.
Prereq: 210-701.

210-751 FINANCIAL ACCOUNTING 3 cr

Advanced study of the theory and accounting for accrual, modified accrual and cash based accounting. Application of accounting principles and procedures to cash flow presentation. A study of 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, and break-even analysis. Analysis of cost-profit-volume relationships, responsibility accounting and performance analysis. Includes application of various decision models.
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: 210-451/651.

210-757 ISSUES IN FINANCIAL ACCOUNTING 3 cr

A critical in-depth examination of accounting theory in some of the more complex and contentious areas, including an examination of EPS, SEC reporting requirements, revenue recognition, and how theory applies to consignments, installment sales, and franchises.
Prereq: 210-343/543 and 210-461 OR 210-752.

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 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.

210-767 ADVANCED AUDITING 3 cr
 Provides an in-depth coverage of internal control, EDP auditing, fraud detection and reporting and the auditor's code of ethics. A component of the course will cover such topics as auditing estimates, auditor independence, and audit failures.
 Prereq: 210-465 OR 210-765.

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: 210-343/543 or consent of instructor.

210-789 READINGS AND RESEARCH IN ACCOUNTING 1-3 cr
 Study of selected contemporary areas in accounting through readings in current research and literature.
 Prereq: Consent of instructor.

210-790 WORKSHOP 1-6 cr

210-794 SEMINAR 1-3 cr

210-798 INDIVIDUAL STUDIES 1-3 cr

Courses beginning with the prefix 230- are listed under Economics (pp. 44-46).

Courses beginning with the prefix 240- are listed under Finance and Business Law (pp. 46-47).

Courses beginning with the prefix 250- are listed under Management (pp. 47-49).

Courses beginning with the prefix 260- are listed under Marketing (pp. 49-50).

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
- Decision Support Systems
- Finance
- International Business
- Management
- 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:
 (GMAT score) + [200 x (overall undergraduate grade point average)], or as composite score of at least 1050 based upon the formula:
 (GMAT score) + [200 x (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 graduate courses offered in the College of Business and Economics, a student must be enrolled in a graduate degree program. A student with a Guest status or with Post Masters status can take 700 level graduate course(s) on a space available basis.
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.P.A., M.S.-Accounting, or M.S.-Office Systems programs in the College of Business and Economics.
6. The maximum course load is 15 graduate credits during fall and spring semesters and 12 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.)

44 ECONOMICS COURSES

EMPHASIS - 9 CREDITS

ONE OF THE FOLLOWING EMPHASES:

A. ACCOUNTING EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:
 - 210-751 FINANCIAL ACCOUNTING
 - 210-752 ADVANCED FINANCIAL ACCOUNTING
 - 210-755 MANAGERIAL ACTG & CONTROLRSHIP
 - 210-756 CORPORATE & SPEC ENTITIES TAXATION
 - 210-761 ACCOUNT & MANAG INFO SYSTEMS
 - 210-765 AUDITING
 - 210-781 ADVANCED ACCOUNTING THEORY I

B. 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 FOR MANAGERIAL DECISION-MAKING

C. 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

D. INTERNATIONAL BUSINESS EMPHASIS

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

E. 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

F. MARKETING EMPHASIS

1. SELECT 9 CREDITS FROM THE FOLLOWING COURSES:
 - 260-735 APPLIED MULTIVARIATE DATA ANALYSIS
 - 260-745 TOTAL QUALITY MANAGEMENT
 - 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

G. 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 QUALITY ISSUES
 - 250-784 SIMULATION FOR 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.

ECONOMICS COURSES (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 multiequation 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.

FINANCE AND BUSINESS LAW COURSES (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.

240-646 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

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 COURSES (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 QUALITY ISSUES IN OPERATIONS** 3 cr
A course focusing on qualitative and quantitative techniques used to study and improve quality of operations in manufacturing and service organizations. It covers topics such as quality philosophy, statistical process control (SPC), acceptance sampling, tools for quality improvement, product and process design. The role of quality in the entire cycle including product/service design, development, production, delivery and customer support is emphasized. An individual research paper and presentation covering the 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 COURSES (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

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 undergraduate course work and teaching experience.

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

Postsecondary—for those individuals who plan to teach or are teaching at the postsecondary level and pursuing their Wisconsin Technical College System (WTCS) 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 middle and secondary levels.

Secondary Emphasis: Approval of the Program Coordinator and the Professional Education Coordinator-Business and Marketing based upon an interview. [Winther 4043, phone (414) 472-5437.] Applicants who are unable to come to campus for the interview prior to admission may be granted provisional admission pending a successful interview.

Degree 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. In addition to meeting these requirements, candidates electing the secondary emphasis must complete and meet all the requirements for licensure to teach business education at the middle and secondary levels. Candidates electing the postsecondary 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 AND COMMUNICATION, 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 ABOVE REQUIREMENTS,
CANDIDATES ELECTING THE SECONDARY
EMPHASIS MUST MEET ALL REQUIREMENTS
FOR LICENSURE TO TEACH BUSINESS
EDUCATION AT THE MIDDLE AND SECONDARY
LEVELS. STUDENTS SHOULD CONSULT
DIRECTOR OF LICENSURE AND ADVISER FOR
CURRENT LICENSURE REQUIREMENTS.

BUSINESS EDUCATION COURSES (220)

- 220-561 MERCHANDISE MANAGEMENT 3 cr**
A study of retail merchandising principles and practices involved in bringing goods to the retail point of sale. Included are the steps necessary to insure profitability while satisfying 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.
- 220-562 VISUAL MERCHANDISING 2 cr**
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 store layout techniques. Intended for students who plan to teach appropriate business courses or to work in retailing.
- 220-563 RETAIL SALES AND DISTRIBUTION 3 cr**
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.
- 220-645 RECORDS MANAGEMENT 3 cr**
This course provides a detailed treatment of information and media management. Media is defined as the information storage format, and includes paper, microrecords, electronic, and other forms of information generation, recording, and storage. Students will develop an understanding of the information life cycle, information value, and how information serves as a critical organizational asset.
- 220-647 DATA PROCESSING FOR BUSINESS TEACHERS 3 cr**
This course is a study of the concepts, procedures, and hardware used in business with an introduction to program development, telecommunications, and multimedia. An understanding will be gained of how data processing can be integrated throughout the business education curriculum.
- 220-660 PRINCIPLES OF VOCATIONAL EDUCATION 2 cr**
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.
- 220-661 ORGANIZATION AND ADMINISTRATION OF VOCATIONAL PROGRAMS 3 cr**
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.
- 220-662 COORDINATION TECHNIQUES 1 cr**
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.
- 220-690 WORKSHOP 1-3 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 are curriculum development updates on 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.
- 220-762 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 levels. 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. The course is designed to assist the student in understanding the 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 NETWORK ADMINISTRATION FOR THE END USER** 3 cr
The organization of the course assumes a level of computer literacy usually attained in the college level Introduction to Information Systems courses or an equivalent continuing education course. This course provides a foundation in the concepts and terminology of communications and networking. The course will be taught using a combination of lectures, case studies, and hands-on learning activities.
- 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

Courses beginning with the prefixes 420-; 423-; and 424- are listed under Educational Foundations (pp. 63-66).
Courses beginning with the prefix 432- are listed under Curriculum and Instruction (pp. 67-71).

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.

Job titles of those graduating with this degree include: vice president of finance, school business manager, comptroller, accountant, director of administrative services, director of information systems, human resource manager, benefits managers, and financial consultant.

Positions are available in vocational schools, public and private school districts, public and private universities, county agencies, Cooperative Education Service Agencies (CESA), cities and villages, municipalities, the Department of Public Instruction.

Program Coordinator:

Richard F. James
Carlson 4023 Phone (414) 472-4993/1322

Additional Admission Requirements:

To be admitted to the School Business Management program at the University of Wisconsin-Whitewater, a candidate must be accepted by the Graduate School and meet program entrance requirements. A business administration or education undergraduate degree is desirable but not required. The status of each student is determined by his/her undergraduate gradepoint average and undergraduate or graduate work.

Degree Requirements:

The degree requires a minimum of 36 credits of course work and includes an internship with a school business manager. This unpaid experience is supervised by university personnel. At least half of the graduate level courses in the degree program must be at the 700 level.

SCHOOL BUSINESS MANAGEMENT (M.S.E.)

SCHOOL BUSINESS MANAGEMENT - 21-24 CREDITS

1. 290-770 SCHOOL FINANCE AND ACCOUNTING
2. 290-771 SCHOOL BUSINESS MANAGEMENT TECHNIQUES
3. 290-772 LEGAL ASPECTS OF EDUCATION
4. 290-774 SCHOOL BUDGETING AND FINANCIAL PLANNING
5. 290-777 SCHOOL AUXILIARY SERVICES MANAGEMENT
6. 290-778 INTERNSHIP IN SCHOOL BUSINESS MANAGEMENT*
7. 290-782 COLLECTIVE NEGOTIATION IN EDUCATION

*Internship is (3-6 credits); number of credits to be determined by the internship coordinator in conjunction with the student and portfolio.

EDUCATION - 6 CREDITS

1. 290-775 ORGANIZATION AND ADMINISTRATION OF AMERICAN PUBLIC SCHOOLS

- 2. 424-710 EDUCATION IN A PLURALISTIC SOCIETY

BUSINESS - 3 CREDITS

- 1. 250-751 MANAGEMENT OF HUMAN RESOURCE I

ELECTIVES - 3-6 CREDITS

- 220-738 SEMINAR IN BUSINESS COMMUNICATION
- 220-772 OFFICE AUTOMATION TECHNOLOGY
- 220-775 BUSINESS TELECOMMUNICATIONS
- 220-778 NETWORK ADMINISTRATION FOR THE END USER
- 260-733 SEMINAR IN METHODOLOGY OF BUSINESS RESEARCH OR
- 424-740 TECHNIQUES OF EDUCATIONAL RESEARCH

SCHOOL BUSINESS MANAGEMENT COURSES (290)

Courses marked by an asterisk (*) are designed specifically for School Business Management majors and will not apply toward the M.B.A., M.P.A., and M.S.-Accounting degrees, except by special permission of the major or emphasis department.

290-770 SCHOOL FINANCE AND ACCOUNTING* 3 cr

School Finance and Accounting is designed for administrators and other school personnel who desire to learn the principles and concepts of school accounting, auditing and financial reporting; major sources of revenue; and cost management and investment techniques.

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.

290-774 SCHOOL BUDGETING AND FINANCIAL PLANNING 3 cr

Budgeting and Financial Reporting is designed for administrators and other school personnel who desire to learn the conceptual and practical aspects of budgeting and financial planning; inventory control; purchasing; capital project planning and debt service management.

290-775 ADMINISTRATION AND ORGANIZATION OF THE PUBLIC SCHOOLS 3 cr

A survey of the foundation, organization and

administration of the American public school system. This will include the identification and examination of major issues relative to the continual development of public education such as the financing of public education and the role of the school business manager in this development.

Unreq: 433-775.

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 plant/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

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

290-796 SPECIAL STUDIES 1-3 cr

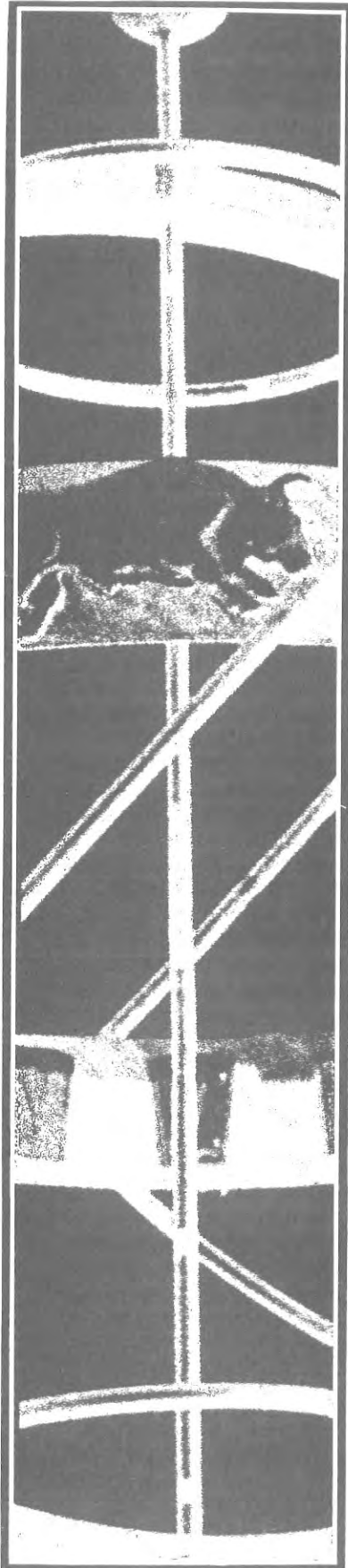
290-798 INDIVIDUAL STUDIES 1-3 cr

290-799 THESIS RESEARCH 1-6 cr

Courses beginning with the prefixes 250- are listed under Management Courses (pp. 47-49).

Courses beginning with the prefix 260- are listed under Marketing Courses (pp. 49-50).

Courses beginning with the prefix 424- are listed under Educational Foundations Courses (pp. 63-66).



College of
Education

UNIVERSITY OF WISCONSIN
Whitewater

Section IV COLLEGE OF EDUCATION

DEGREE PROGRAMS

COMMUNICATIVE DISORDERS

The Department of Communicative Disorders provides graduate study for the preparation of speech-language pathologists who identify and manage individuals with speech-language and/or hearing disorders. An emphasis in the M.S. degree program in Communication, the graduate program in Communicative Disorders is nationally accredited by the Educational Standards Board (ESB) of the American Speech-Language-Hearing Association (ASHA) and meets all requirements for obtaining Wisconsin licensure as a speech-language pathologist and as a public school clinician.

Program Coordinator:

Roxanne DePaul, Ph.D.
Roseman 1018 Phone (414) 472-5203

Department Secretary:
Roseman 1011 Phone (414) 472-1301

Additional Admission Requirements:

Students must complete two separate applications for admission to the graduate program in Communicative Disorders. One application is submitted directly to the Department of Communicative Disorders. The instructions for this application may be obtained by contacting the department secretary. The second application is obtained by contacting the Graduate Studies Office.

Admission to the graduate program in Communicative Disorders is independent of the minimum GPA required by the School of Graduate Studies. The Department of Communicative Disorders faculty determines admission to the graduate program by reviewing all application materials (letters of intent and recommendation, transcripts).

Degree Requirements:

A minimum of 48 credits of course work (33 academic credits, and 15 practicum credits) and a comprehensive examination are required. A thesis option is available in lieu of a comprehensive examination. Of the 48 credits, a minimum of 6 credits is required in practica, although an additional 3 credits of practicum is generally needed in order to fulfill the diagnostic practicum requirement. Students wishing to pursue DPI licensure must complete a 7 credit student teaching sequence and meet DPI course work requirements.

COMMUNICATIVE DISORDERS COMMUNICATION (M.S.)

REQUIRED IF NOT TAKEN AS UNDERGRADUATE

1. SELECT 0-21 CREDITS IF NOT TAKEN AS UNDERGRADUATE

- 510-580 SPEECH & LANG DEVELOPMENT IN CHILDREN
- 510-585 FLUENCY DISORDERS
- 510-624 ORGANIC SPEECH DISORDERS
- 510-626 NEUROGENIC COMMUNICATIVE DISORDERS
- 510-672 ASSESSMENT IN COMMUNICATIVE DISORDERS
- 510-681 INTRO TO ASSESSMENT & INTERVENTION IN LANGUAGE DISORDERS
- 510-682 AUDIOMETRY

REQUIRED COURSES - 33 CREDITS

1. 510-709 SEMINAR IN COMMUNICATIVE DISORDERS
2. 510-710 PROFESSIONAL ISSUES AND ENVIRONMENTS IN SPEECH-LANGUAGE PATHOLOGY
3. 510-711 THE DYSARTHRIAS
4. 510-712 RESEARCH METHODS IN COMMUNICATIVE DISORDERS
5. 510-713 SEMINAR IN LANGUAGE DISORDERS
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 ELECTIVE CREDITS IN COMMUNICATIVE DISORDERS

PRACTICUM REQUIREMENTS - 15 CREDITS

1. SELECT A MINIMUM OF 6 CREDITS FROM:
510-660 PRACTICUM - COMMUNICATIVE DISORDERS
2. SELECT 9 CREDITS FROM:
510-660 PRACTICUM: COMMUNICATIVE DISORDERS
510-793 PRACTICUM: FIELD EXTERNSHIP

DPI LICENSURE - CHECKLIST ONLY

1. 436-798 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 THE GRADUATE AUDIT SYSTEM.

COMMUNICATIVE DISORDERS COURSES (510)

- 510-555 LANGUAGE DEVELOPMENT AND DISORDERS IN CHILDREN WITH EXCEPTIONAL EDUCATIONAL NEEDS** 3 cr
This course provides an overview of oral language development and its relationship to the development of social skills, written language, reading and other academic skills. Language characteristics in children with exceptional educational needs are described and strategies for improving communication skills in these children are discussed.
Prereq: Restricted to students with Professional Education admission. Coursework in child growth and development is highly recommended.
- 510-580 SPEECH AND LANGUAGE DEVELOPMENT IN THE CHILD** 3 cr
This course provides an introduction to the process and sequence of normal language development in children birth to school-age. Theories of language acquisition and the role of cognition, the environment, and caregivers are discussed. A language sample is analyzed and interpreted using knowledge gained in the class.
- 510-585 FLUENCY DISORDERS** 3 cr
This course provides for the study of the theories of the cause and onset of fluency disorders such as stuttering and cluttering. It further introduces basic clinical and experimental approaches to these disorders.
- 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 (for example, voice disorders, cleft palate speech disorders, and swallowing dysfunction).
Prereq: 510-278 or consent of instructor.
- 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: 510-278 or consent of instructor.
- 510-644 OCCUPATIONAL HEARING CONSERVATION** 3 cr
This introductory course assists the student in developing and managing an occupational hearing conservation program. Topics include the effect of noise on hearing, noise and hearing measurement, selection and fitting of hearing protectors, federal and state rules and regulations regarding hearing conservation, and the medicolegal and compensation aspects of hearing loss.
- 510-660 PRACTICUM IN COMMUNICATIVE DISORDERS** 3 cr
This course offers supervised practicum experiences: observation of communicative disorders, clinical work on-campus and/or off-campus, and supervision of practitioners or students. Client availability, student level of academic and clinical training, and supervisory expertise will influence student enrollment and section assignment. This course is repeatable until student has completed required clinical hours. Only 6 credits may count toward the major.
- 510-672 ASSESSMENT IN COMMUNICATIVE DISORDERS** 3 cr
This course introduces the theoretical and practical aspects of the assessment process in communicative disorders. Issues and methods involved in clinical decision-making are reviewed through case studies and applied activities. The interpretation and documentation of information collected during the assessment process are also discussed.
- 510-681 ASSESSMENT AND INTERVENTION IN LANGUAGE DISORDERS** 3 cr
This course introduces principles and methods of assessment and intervention in child language disorders from infancy to adolescence. The implementation of these procedures using a variety of service delivery models and the means of evaluating their effectiveness are reviewed.
Prereq: Communicative Disorders major or cons instr.
- 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 aid 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: 510-381 or consent of instructor.
- 510-683 AUGMENTATIVE AND ALTERNATIVE COMMUNICATION** 3 cr
This course reviews current approaches to augmentative and alternative communication. Alternative methods of communication other than speech and methods for augmenting residual speech skills are discussed. The course focuses on the development of basic skills for evaluating and providing intervention programs for individuals using alternative and augmentative communication systems.
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
This course is geared to the professional development of speech-language pathologists and audiologists and focuses on identification and consideration of significant theoretical issues in communicative disorders. Course may be repeated with a change of content.
Prereq: Consent of Instructor.
- 510-710 PROFESSIONAL ISSUES AND ENVIRONMENTS IN SPEECH-LANGUAGE PATHOLOGY** 3 cr
This course is designed to present a study of the professional issues and environments in which a speech-language pathologist may work. It facilitates student expertise by the study of rules and regulations, ethics and special problems that confront the professional. The content is presented through lecture, presentations, visitations and class projects.
Prereq: Consent of instructor.
- 510-711 THE DYSARTHRIAS** 3 cr
This course provides advanced study of the neuroanatomy and neurophysiology underlying sensorimotor control of speech, and the neuropathologies associated with dysarthria. In-depth training of the differential assessment and management of the dysarthrias across the lifespan, clinical experiences, and exposure to current research literature are included.
- 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** 3 cr
This course considers current issues in the field of child language disorders. Recent research literature is reviewed and the application of research findings to the assessment and intervention of child language disorders is discussed.
Prereq: 510-380.
- 510-714 SUPERVISION IN COMMUNICATIVE DISORDERS** 3 cr
This course provides an analysis of the basis concepts of supervision and competencies essential to effective supervisory performance in speech-language pathology across work settings and professional roles. Emphasis is placed on supervision as a process that involves observation, interpersonal communication, leadership, teaching, problem solving, decision making and ongoing improvement.
- 510-720 VOICE DISORDERS** 3 cr
This course provides specialized knowledge in the areas of normal and disordered voice production with the primary focus in the physiological bases of dysphonia. Theoretical principles underlying the prevention, assessment and treatment of vocal dysfunction across the lifespan are emphasized.
- 510-722 NEUROGENIC LANGUAGE AND COGNITIVE IMPAIRMENTS IN ADULTS** 3 cr
This course provides advanced study of neuropathologies resulting in language and cognitive impairment. The focus of this course is adult aphasia and dementia within a framework of the neural changes associated with aging. Course content also surveys communication disorders associated with a variety of acquired and/or neurodegenerative conditions. In-depth training of assessment and management techniques, clinical experiences and exposure to current literature are included.
- 510-724 AURAL REHABILITATION** 3 cr
This course covers habilitation and rehabilitation procedures for people with hearing impairment. Topics include personal and group amplification, techniques in speech reading and auditory training, speech and language of people with hearing impairment, deaf education, and the psychological aspects of hearing loss.
- 510-726 COMMUNICATIVE DISORDERS ASSOCIATED WITH CRANIOFACIAL ANOMALIES** 3 cr
This course provides information regarding the multidisciplinary diagnosis and management of communicative disorders associated with cranio-facial 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.
- 510-730 SWALLOWING AND DYSPHAGIA** 3 cr
The course will include an in-depth study of the normal and disordered swallowing with a focus on the physiological bases of dysphagia. Current research is examined relevant to the prevention, diagnosis and management of swallowing disorders across the lifespan.
Prereq: Communicative Disorders major, practicing Speech/Language Pathologists or consent of instructor.
- 510-764 SPEECH AND LANGUAGE DISORDERS IN SPECIAL POPULATIONS** 3 cr
This course provides an in-depth review of the speech and language characteristics of children from a variety of populations including those experiencing cognitive, emotional and sensory challenges. Communication characteristics, current research and intervention issues for each population are discussed.
- 510-790 WORKSHOP** 1-6 cr
- 510-793 PRACTICUM: FIELD EXTERNSHIP** 6 cr
- 510-794 SEMINAR** 1-3 cr
- 510-796 SPECIAL STUDIES** 1-3 cr
- 510-798 INDIVIDUAL STUDIES** 1-3 cr
- 510-799 THESIS RESEARCH** 1-6 cr

Courses beginning with the prefix 423- are listed under Educational Foundations Courses (pp. 63-66).
Courses beginning with the prefixes 436-, 437-, and 439- are

listed under Curriculum and Instruction Courses (pp. 67-71).

Courses beginning with the prefix 480- are listed under Special Education Courses (pp. 86-90).

CURRICULUM AND INSTRUCTION

The Master of Science (M.S.) degree program in Curriculum and Instruction provides individuals with advanced academic work focused on improving teaching and learning. The degree is designed to blend knowledge of content with knowledge of teaching and learning 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:

Learning in the Early Years (Birth through the Elementary Grades)

This emphasis is designed to enhance teachers' knowledge and skill in working with learners during the early years.

Library and Information Technology

This emphasis is designed to prepare students to become professional library media specialists who are well rounded in electronic information and technology. It will allow them to complete some of the requirements for the 901 or 902 library media licenses.

Special Issues of Learning Across the Lifespan

This emphasis will allow students to identify a specific issue of learning across the lifespan as a focus for study. For example, students may address issues related to such areas as art education, gifted and talented education, post-secondary education, education for diversity, or education for at-risk students.

Technology Enhanced Education

This emphasis is designed to prepare individuals to function as technology coordinators within individual school buildings or within districts. Preparation for these individuals will emphasize knowledge of a variety of ways to use technology to enhance educational programs.

Health, Physical Education, and Coaching

This emphasis is designed to enhance teachers' knowledge and skill related to health, physical education, and/or coaching.

Learning in the Adolescent Years

This emphasis is designed to enhance teachers' knowledge and skill in working with learners during the adolescent years. The emphasis attempts to blend content and pedagogy within courses, so that those taking this emphasis will enhance their understanding of content, particularly content appropriate for adolescents, and of how students may be helped to learn this content.

Program Coordinator

Dr. John Zbikowski
Winther 3032 Phone (414) 472-1122

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:

1. 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.
2. All degree candidates will be required to complete 420/430-723 Issues and Problems in American Education within the first six credits after being admitted to the program.
3. 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.
4. 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.
5. Research course requirements for thesis option: Students electing to write a thesis must take at least one three-credit course or the equivalent in the research methodology they plan to use in conducting their study. The research techniques course may be selected from any department in consultation with the adviser. This course should be counted among the 12 elective credits in the program.

CURRICULUM AND INSTRUCTION (M.S.)**PROFESSIONAL CORE - 12 CREDITS**

1. 420/430-723 SEMINAR: ISSUES AND PERSPECTIVES IN AMERICAN EDUCATION
2. 400-740 TECHNIQUES OF ASSESSMENT AND RESEARCH
3. 430-725 CURRICULUM DEVELOPMENT AND INTEGRATION
4. 400-789 INTEGRATIVE PROJECT SEMINAR OR 4XX-799 THESIS RESEARCH

ELECTIVES - 12 CREDITS

1. SELECT 0-6 CREDITS IN CONSULTATION WITH ADVISER

EMPHASIS - 12 CREDITS**ONE OF THE FOLLOWING EMPHASES:**

- A. **HEALTH, PHYSICAL EDUCATION AND COACHING EMPHASIS**
SELECT 12 CREDITS FROM AREAS OF HEALTH, PHYSICAL EDUCATION AND/OR COACHING THAT ADDRESS GOAL STATEMENT. GOALS AND COURSE SELECTIONS MUST BE APPROVED BY ADVISER. AT LEAST 50% OF THE EMPHASIS COURSE WORK MUST BE AT THE 700 LEVEL.
- B. **LEARNING IN THE ADOLESCENT YEARS**
 1. 423-678 ADOLESCENT DEVELOPMENT
 2. 420/430-745 THE MIDDLE SCHOOL OR 420/437-703 THE MODERN HIGH SCHOOL
 3. ANY 2 COURSES FROM 430-710 SEMINAR: CURRENT TOPICS IN CURRICULUM AND INSTRUCTION (THIS MAY BE REPEATED) OR CONTENT/PEDAGOGY COURSES SELECTED WITH THE ADVISER
- C. **LEARNING IN THE EARLY YEARS (BIRTH THROUGH ELEMENTARY GRADES)**
SELECT 12 CREDITS FROM AREAS RELATED TO LEARNING IN THE EARLY YEARS THAT ADDRESS GOAL STATEMENT. GOALS AND COURSE SELECTIONS MUST BE APPROVED BY ADVISER. AT LEAST 50% OF THE EMPHASIS COURSE WORK MUST BE AT THE 700 LEVEL.
- D. **LIBRARY AND INFORMATION TECHNOLOGY**
 1. 422-550 REFERENCE AND BIBLIOGRAPHY OR 422-641 COMPUTER APPLICATIONS IN THE LIBRARY AND MEDIA CENTER
 2. 422-654 LIBRARY AND MEDIA CENTER ADMINISTRATION OR 422-751 ADMINISTRATION OF EDUCATIONAL MEDIA
 3. 422-638 UTILIZATION OF INSTRUCTIONAL TELEVISION OR 422-755 HYPERMEDIA IN SCHOOL LIBRARY MEDIA AND TECHNOLOGY PROGRAMS OR 429-793 PRACTICUM--SECONDARY SCHOOL LIBRARY
 4. 422-754 ADVANCED DESIGN AND PRODUCTION OF INSTRUCTIONAL MATERIALS OR 429-793 PRACTICUM--ELEMENTARY SCHOOL LIBRARY
 5. INDIVIDUALS SEEKING LICENSURE AS A LIBRARY MEDIA SPECIALIST SHOULD CONTACT ADVISER TO CHOOSE BETWEEN THE ABOVE AND ELECT THE FOLLOWING:

901 LICENSE
422-543 ADOLESCENT LITERATURE
422-551 BUILDING MEDIA COLLECTIONS

- 422-634 INSTRUCTIONAL TECHNOLOGY
- 422-640 DEVELOPING LIBRARY MEDIA SKILLS
- 422-651 CLASSIFICATION AND CATALOGING
- 902 LICENSE
- 422-638 UTILIZATION OF INSTRUCTIONAL TELEVISION
- 422-715 CURRENT TRENDS IN K-12 LITERATURE AND RELATED MEDIA
- 422-755 HYPERMEDIA IN SCHOOL LIBRARY MEDIA AND TECHNOLOGY PROGRAMS
- 423-752 INSTRUCTIONAL DESIGN

E. SPECIAL ISSUES OF LEARNING ACROSS THE LIFESPAN

SELECT 12 CREDITS FROM AREAS RELATED TO SPECIAL ISSUE OF LEARNING ACROSS THE LIFESPAN THAT ADDRESS GOAL STATEMENT. GOALS AND COURSE SELECTIONS MUST BE APPROVED BY ADVISER. AT LEAST 50% OF THE EMPHASIS COURSE WORK MUST BE AT THE 700 LEVEL.

F. TECHNOLOGY ENHANCED EDUCATION

1. 430-676 CURRENT TOPICS IN INSTRUCTIONAL COMPUTING
 2. 430-735 MANAGING AND IMPLEMENTING INSTRUCTIONAL COMPUTING PROGRAMS
 3. 430-754 EDUCATIONAL SOFTWARE IMPLEMENTATION
 4. 1 COURSE FROM
 - 422-751 ADMINISTRATION OF EDUCATIONAL MEDIA AND TECHNOLOGY PROGRAMS
 - 422-754 ADVANCED DESIGN AND PRODUCTION OF INSTRUCTIONAL MATERIALS
 - 422-755 HYPERMEDIA IN SCHOOL LIBRARY MEDIA AND TECHNOLOGY PROGRAMS
 - 422-756 INFORMATION, VIRTUAL LIBRARIES, AND THE INTERNET
 - 430-672 UNDERSTANDING AND USING LOGO IN THE CLASSROOM
 - 430-677 TELECOMMUNICATIONS FOR EDUCATORS
 - 430-752 MICROCOMPUTER APPLICATIONS IN THE CLASSROOM
- OTHER TECHNOLOGY COURSES SELECTED WITH ADVISER.

EDUCATION: GENERAL COURSES (400)

400-740 TECHNIQUES OF ASSESSMENT AND RESEARCH 3 cr

This course is designed to help the student use effective assessment and research techniques in the classroom, building, or district. The primary components of the

course are developing classroom assessment instruments and critical skills for evaluating research literature.

400-789 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.

400-790 WORKSHOP 1-6 cr

EDUCATIONAL FOUNDATIONS COURSES (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.

420-703 THE MODERN HIGH SCHOOL 3 cr

437-703 The Modern High School is a class that examines the role of the high school in today's society, looking at changes in structures, curriculum, support programs and instructional techniques as well as their philosophical and theoretical foundations.

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.

420-723 SEMINAR: ISSUES AND PERSPECTIVES 3 cr
430-723 IN AMERICAN EDUCATION

This course is designed to enable educators to identify, comprehend and develop strategies to resolve current critical issues and problems in American education.

420-745 THE MIDDLE SCHOOL 3 cr

430-745 Through the use of lecture, large and small group discussions, and research, students will achieve greater mastery in the rationale of the middle school, the middle school child, the curriculum of the middle school, and the instructional strategies of the middle school.

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. Repeatable for a maximum of 6 credits in major/degree. Repeatable in another country.

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.

422-550 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, MARC records, 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, housing, and accessing 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.

422-756 INFORMATION, VIRTUAL LIBRARIES AND THE INTERNET 3 cr

Students will address the practical, intellectual and societal issues associated with the change from physical to virtual libraries. Students will learn to use equipment, software, and strategies to find, evaluate, and share textual, audio, graphical and video information.

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.

423-664 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.

423-683 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.
- 424-682 EDUCATIONAL STATISTICS** 3 cr
This course is designed for students at the senior or graduate level who have no statistical background. Emphasis is directed toward measures 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.
- 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.
- 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.
- 428-679 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 COURSES (430, 432, 433, 434, 436, 437, 439)

ELEMENTARY EDUCATION (430)

- 430-550 INTRODUCTION TO MULTICULTURAL** 3 cr
437-550 EDUCATION

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** 3 cr
437-635 BILINGUAL CHILD

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** 3 cr
437-655 BILINGUAL CLASSROOM

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** 3 cr
IN THE CLASSROOM

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** 1 cr
IN THE CLASSROOM

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.

- 430-676 CURRENT TOPICS IN INSTRUCTIONAL** 3 cr
COMPUTING

A topic or topics not otherwise accounted for in other computer education courses will be chosen as the focus of each course. For instance, the use of multimedia in the schools could be one suggested topic. Each topic would be explored in a variety of ways.

- 430-677 TELECOMMUNICATIONS FOR** 3 cr
EDUCATORS

Participants will have the opportunity to explore ways in which telecommunications can be used to enhance classroom instruction. A number of online information sources for education will be explored. A large portion of the course will be done online with participants completing assignments and exchanging information using e-mail.

- 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.)

- 430-710 SEMINAR: CURRENT TOPICS IN** 3 cr
CURRICULUM AND INSTRUCTION

An in-depth examination of a single current topic of interest to teachers in grades 6-12. Topics will vary from semester to semester, and may include, for example, national curriculum standards for school subjects, writing across the curriculum, cooperative learning in a specific subject, the school-to-work transition, or instruction on specific themes such as the environment or communication. Repeatable for credit.

- 430-716 INTEGRATING SOFTWARE AND** 3 cr
TECHNOLOGY INTO THE READING AND
EARLY CHILDHOOD CURRICULUM

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** 3 cr
TEACHING OF LANGUAGE ARTS AND
ENGLISH

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.
- 430-723 SEMINAR: ISSUES AND PERSPECTIVES** 3 cr
420-723 IN AMERICAN EDUCATION
 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 DEVELOPMENT AND** 3 cr
INTEGRATION
 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** 3 cr
SCIENCE
 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.
- 430-735 MANAGING AND IMPLEMENTING** 3 cr
INSTRUCTIONAL COMPUTING
PROGRAMS
 This course is designed for individuals in leadership roles with regard to computing programs in their school districts. Discussion will focus on various issues in educational computing, including hardware and software selection/usage, and facilities and personnel requirements. A lecture/demonstration format with emphasis on class discussion will be used.
- 430-740 TECHNIQUES FOR IMPROVING** 3 cr
ELEMENTARY AND MIDDLE SCHOOL
CHILDREN'S WRITING
 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.
- 430-745 THE MIDDLE SCHOOL** 3 cr
420-745 Through the use of lecture, large and small group discussions, and research, students will achieve greater mastery in the rationale of the middle school, the middle school child, the curriculum of the middle school, and the instructional strategies of the middle school.
- 430-752 MICROCOMPUTER APPLICATIONS IN** 3 cr
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 judgements 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 ELEMENTARY** 3 cr
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 TEACHING OF SOCIAL STUDIES 2-3 cr

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 TEACHING OF SCIENCE 2-3 cr

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 ELEMENTARY MATHEMATICS 3 cr

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/protégé relationships. This course is designed to provide training to present and potential staff who are interested in becoming mentors.

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 3 cr**
430-550 EDUCATION

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 3 cr**
EDUCATION K-12

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 3 cr**
AND LANGUAGE ARTS

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 3 cr**
MATHEMATICS

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 3 cr**
STUDIES

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 3 cr**
430-635 BILINGUAL CHILD

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.

- 437-655 TEACHING CONTENT IN THE 3 cr**
430-655 BILINGUAL CLASSROOM

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.

- 437-701 MODERN SCHOOL MATHEMATICS 3 cr**
CURRICULUM

A survey of selected school mathematics curriculum development projects, topics in comparative mathematics

development projects, topics in comparative mathematics education and selected topics in ongoing research in mathematics education.

Prereq: Consent of instructor.

437-703 THE MODERN HIGH SCHOOL 3 cr

420-703 The Modern High School is a class that examines the role of the high school in today's society, looking at changes in structures, curriculum, support programs and instructional techniques as well as their philosophical and theoretical foundations.

437-720 TEACHING WRITING 3 cr

680-720 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: 680-720.

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

680-730 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 Modern Languages and Literatures.

Unreq: 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 COURSES (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.
- 442-671 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.
- 442-675 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.
- 442-725 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.

442-772 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

442-793 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.)

442-794 SEMINAR 1-3 cr

442-796 SPECIAL STUDIES 1-3 cr

442-798 INDIVIDUAL STUDIES 1-3 cr

442-799 THESIS RESEARCH 1-6 cr

HEALTH (444)

444-540 INTRODUCTION TO HEALTH ISSUES & SECONDARY HEALTH EDUCATION 3 cr

An introduction to various health belief models and philosophies with particular emphasis on health education content at the secondary level.

444-560 HIGH LEVEL WELLNESS 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.

444-562 STRESS MANAGEMENT 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.

444-582 ELEMENTARY HEALTH EDUCATION 2 cr

Teaching and learning experiences in selected content areas of health education. Designed for the elementary teacher.

444-591 NUTRITION AND WEIGHT CONTROL 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.

444-645 TEACHING HEALTH EDUCATION 3 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.

444-665 HEALTH PROMOTION STRATEGIES 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.

444-690 WORKSHOP IN HEALTH 1-6 cr

444-694 SEMINAR 1-3 cr

444-696 SPECIAL STUDIES 1-3 cr

444-710 TRENDS IN DEVELOPING WELLNESS FOR CHILDREN AND ADOLESCENTS 3 cr

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.

444-725 HEALTH EDUCATION ISSUES AND CURRICULUM 3 cr

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.

444-735 EFFECTIVE TEACHING FOR CHANGING HEALTH BEHAVIOR 3 cr

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.

444-745 EXERCISE AND HEALTH 3 cr

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.

444-790 WORKSHOP 1-3 cr

444-793 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.)

444-794 SEMINAR 1-3 cr

444-796 SPECIAL STUDIES 1-3 cr

444-798 INDIVIDUAL STUDIES 1-3 cr

444-799 THESIS RESEARCH 1-6 cr

RECREATION (446)

446-534 RECREATION PROGRAMMING 3 cr

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.

446-560 AGING AND LEISURE 3 cr

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.

446-591 OUTDOOR RECREATION 3 cr

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.

446-689 RECREATION ADMINISTRATION 3 cr

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.

446-690 WORKSHOP 1-3 cr

446-694 SEMINAR 1-3 cr

446-696 SPECIAL STUDIES 1-3 cr

446-790 WORKSHOP 1-3 cr

446-793 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.)

446-794 SEMINAR 1-3 cr

446-796 SPECIAL STUDIES 1-3 cr

446-798 INDIVIDUAL STUDIES 1-3 cr

446-799 THESIS RESEARCH 1-6 cr

COACHING (448)

448-660 ORGANIZATION & ADMINISTRATION 3 cr

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.

448-661 PREVENTION AND CARE OF 2 cr

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.

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

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

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. Brenda R. O'Beirne
Winther 6037 Phone (414) 472-1452

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. The Counselor Education Department does not offer a school internship program; therefore, students must be eligible for teacher licensure in order to be admitted to the school counselor emphasis.
4. 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 15. 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.
5. 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 adviser 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. Students must earn a grade of at least a **B** in 490-718, Principles of Counseling, and at least a **BC** in any other 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 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.

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

1. 490-718 PRINCIPLES OF COUNSELING
2. 490-719 APPRAISAL PROCEDURES IN COUNSELING
3. 490-720 CAREER DEVEL AND INFO SERVICES
4. 490-721 GROUP PROCEDURES IN COUNSELING
5. 490-722 THEORIES OF COUNSELING
6. 490-741 SOCIAL & CULTURAL FOUND. OF COUNS.
7. 499-793 SUPERVISED PRACTICUM (12 CR., 6 CR./SEMESTER)

EMPHASES - 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. 490-734 FAMILIES: ASSESS & TRT ABUSIVE BEH
 5. 490-746 COUNSELING & CHEM DEPENDENCY
 6. SELECT 3 CREDITS OF ELECTIVES
- B. HIGHER EDUCATION EMPHASIS
 1. 424-740 TECHNIQUES OF RESEARCH
 2. 490-729 STUDENT SERVICES IN HIGHER ED
 3. 490-747 CONSULTATION MODELS & OUTREACH APPS
 4. 490-748 ADMIN IN COLLEGE STUDENT PERSONNEL
 5. SELECT 6 CREDITS OF ELECTIVES
- C. SCHOOL COUNSELING EMPHASIS
 1. 490-723 COUNSELING IN EL & JR HIGH SCHOOLS
 2. 490-725 COUNSELING IN SECONDARY SCHOOLS
 3. 490-727 PROG DEVEL, RESEARCH AND EVALUATION
 4. 490-730 CONSULTING SKILLS FOR COUNSELORS
 5. 490-738 PERSPECTIVES IN SCHOOL COUNSELING
 6. SELECT 3 CREDITS OF ELECTIVES

COUNSELOR EDUCATION COURSES (490, 499)

- 490-650 INTRODUCTION TO 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**
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.
- 490-690 WORKSHOP 1-3 cr**
- 490-696 SPECIAL STUDIES 1-3 cr**
- 490-718 PRINCIPLES OF COUNSELING 3 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.
- 490-719 APPRAISAL PROCEDURES IN COUNSELING 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.
- 490-720 CAREER DEVELOPMENT AND INFORMATION SERVICES 3 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.
- 490-721 GROUP PROCEDURES IN COUNSELING 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.

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 3 cr**
IN THE COMMUNITY
 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 3 cr**
COUNSELING
 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 3 cr**
FOUNDATIONS IN COUNSELING
 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 counselor education program or consent of instructor.
- 490-746 COUNSELING AND THE CHEMICAL 3 cr**
DEPENDENCY PROCESS
 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 3 cr**
OUTREACH APPLICATIONS IN
STUDENT SERVICES
 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.
 Prereq: Admission to the counselor education program or consent of instructor.
- 490-748 ADMINISTRATION IN COLLEGE 3 cr**
STUDENT PERSONNEL
 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.
 Prereq: Admission to the counselor education program or consent of instructor.
- 490-749 CHEMICAL DEPENDENCY- 3 cr**
TREATMENT AND REHABILITATION
 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 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 (499)**
- 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.
- Courses beginning with the prefix 424- are listed under Education Foundations (pp. 63-66).

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
430-723 SEMINAR: ISSUES & PROBS
430-725 CURRIC DESIGN & DEV
430-762 CURRIC IN EL
434-714 CURRENT ISSUES - EARLY
CHILDHOOD EDUCATION
434-715 CHILDREN IN CRISIS
480-625 INTRO TO GIFTED ED

RESEARCH COURSE - 3 CREDITS

1. 424-740 TECHNIQUES OF RESEARCH

READING COURSES (432)

**432-764 DEVELOPMENTAL READING IN THE 3 cr
ELEMENTARY SCHOOL**

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 3 cr
READING DISABILITIES (K-6)**

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 3 cr
READING DISABILITIES (7-12)**

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 3 cr
SECONDARY SCHOOL**

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 3 cr
AND COMPREHENSION DEVELOPMENT**

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 3 cr
READING PROGRAMS**

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.

Courses beginning with the prefixes 420-; 423-; and 424- are listed under Educational Foundations Courses (pp. 63-66).

Courses beginning with the prefixes 430-; 432; 433-; 434-; 436-; 437-; and 439- are listed under Curriculum and Instruction Courses (pp. 67-71).

Courses beginning with the prefix 480- are listed under Special Education Courses (pp. 86-90).

Courses beginning with the prefix 680- are listed under Modern Languages and Literature Courses (pp. 104-107).

SAFETY

The Master of Science (M.S.) degree program in Safety Studies provides advanced academic work in occupational safety. Graduate academic work is also provided in traffic and institutional 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 Admissions Committee, and meeting the prerequisites listed below.

Degree Requirements:

Thirty-six credits of course work which includes a practicum internship, successful completion of an oral defense of the thesis or designated research paper, and the successful completion of an oral or written proficiency exam. At least half of the course work must be completed with courses numbered 700 or higher.

SAFETY (M.S.)

PREQUISITES (OR EQUIVALENTS)

1. 462-380 INDUSTRIAL ACCIDENT PREVENTION
2. 640-109 CHEMISTRY
3. 760-231 STATISTICS

CORE COURSES - 21-27 CREDITS

1. 460-788 ADVANCED HUMAN FACTORS ENGINEERING
2. 460-787 SYSTEM SAFETY ANALYSIS
3. 462-783 CORPORATE SAFETY MANAGEMENT
4. 460-752 SAFETY COMMUNICATIONS
5. 462-753 LEGAL ASPECTS IN OCCUPATIONAL SAFETY
6. 462-685 FIRE PROTECTION/PREVENTION
7. 462-684 INDUSTRIAL HYGIENE
8. 469-793 PRACTICUM (May be waived for those with appropriate work experience.)

RESEARCH REQUIREMENTS - 6-9 CREDITS

1. 424-740 TECHNIQUES OF RESEARCH
2. 460-799 THESIS OR
3. 460-789 READINGS AND RESEARCH IN SAFETY

SUGGESTED EXPANSION COURSES - 0-6 CREDITS

1. 460-581 MOTOR FLEET SAFETY
2. 460-650 BEHAVIOR ASPECTS OF ACCIDENT PREVENTION
3. 462-657 PRINCIPLES OF OCCUPATIONAL EPIDEMIOLOGY
4. 462-680 INDUSTRIAL HYGIENE INSTRUMENTATION
5. 462-687 PRODUCT SAFETY

6. 462-689 CHEMICAL SAFETY
7. 463-711 PRINCIPLES OF INSTITUTIONAL SAFETY
8. 250-705 INFO SYSTEMS
9. OTHER COURSE(S) CHOSEN IN CONSULTATION WITH ADVISER

SAFETY STUDIES COURSES (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.
- 460-653 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.
- 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 INSTRUMENTATION 3 cr

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.

Courses beginning with the prefix 250- are listed under Management Courses (pp. 47-49).

Courses beginning with the prefix 640- are listed under Chemistry Courses (p. 98).

Courses beginning with the prefix 760- are listed under Mathematics and Computer Science Courses (pp. 102-104).

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. 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 (cognitive disabilities) with mild/moderate or severe/profound disabilities. 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. Non-Candidate for Degree (NCFD) graduate students seeking Special Education licensure must meet with the appropriate program coordinator to develop a licensure plan to request a practicum slot, and must also complete an application for admittance to Professional Education.

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

Dr. Barbara J. 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. George Mischio
Winther 4051 Phone (414) 472-5817

Mild/Moderate and Severe/Profound Mental Retardation:

Dr. Diane Ormsby
Winther 3049 Phone (414) 472-4831

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.

Admission to Professional Education Requirements:

1. Students having a regular teaching license should complete an application for admission to Professional Education, submit a photocopy of their current teaching license, and a Licensure Plan developed with their adviser to the College of Education.

2. If no previous licensure, graduate level students must comply with all admittance requirements pertinent at the undergraduate level, e.g.,
 - a) Pass all three (3) areas of the PPST (Writing, Reading, Math)
 - b) Attend College of Education Orientation Meeting
 - c) Complete Speech 110 or equivalent with a grade of C or better
 - d) Received a 2.75 GPA on previous degree
 - e) Licensure Plan developed with an adviser.

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; 423-212, 423-222, 423-322/522, 423-478/678, 432-360, , OR 437-466; 432-361, 432-460, 432-774 OR 437-466; 430-425/625 OR 437-628; 480-336/536; 480-406/606; 480-426/626; 480-466/666, 489-210; 489-410; 510-355
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 - 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 CR)
AND
 - b. 480-784 INSERVICE SEMINAR (1 CR)
AND
489-789G PRACTICUM: EC-EEN (3-8 CR)
OR
 - c. 480-784 INSERVICE SEMINAR (2 CR)
AND
489-793 PRACTICUM (5-8 CR)
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 EC:EEN&SPH
480-676 CURRIC, METHODS & MAT
480-730 IMPLEMENT INTERV
480-798 IND STUDIES (1-3 CR)
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 CR)
AND
 - b. 480-784 INSERVICE SEMINAR (1 CR)
AND
489-789C PRACTICUM: EMOTIONAL DISTURBANCE-ELEMENTARY OR
489-789D PRACTICUM: EMOTIONAL DISTURBANCE SECONDARY (5 CR)

OR

- c. 480-784 INSERVICE SEMINAR (2 CR)
AND

489-793 PRACTICUM (5-8 CR)

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
- 480-781 PROG FOR TRANSITION
- 480-798 INDIVIDUAL STUDIES (0-3 CR)

C. GENERAL - 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 18 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
480-625 INTRODUCTION TO GIFTED
480-628 GEN INST MODELS FOR GIFTED
480-681 REMED OF WRITTEN LANG
DISORDERS
480-706 VOCATIONAL ASSESSMENT
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 CR)
AND
 - 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)
OR
 - c. 480-784 INSERVICE SEMINAR (2 CR)
AND
489-793 PRACTICUM (5-8 CR)
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, EBD,
MR
480-678 CURRIC & METHODS IN LD - ELEM OR
480-679 CURRIC & METHODS IN LD - SEC

- 480-681 WRITTEN LANG DISORDERS
 480-706 VOCATIONAL ASSESSMENT
 480-781 PROGRAM FOR TRANSITION
 480-798 INDIVIDUAL STUDIES (1-3 CR)

- E. MILD/MODERATE & SEVERE/PROFOUND MENTAL RETARDATION - 27-33 CREDITS
1. COMPLETE AT LEAST 9 CREDITS FROM
 - 480-772 LIFESPAN ISSUES IN SPECIAL ED
 - 480-773 CONSULTATION TECHNIQUES OR
 - 480-740 PROFESSIONAL SKILLS DEV IN EC:EEN
 - 480-780 SURVEY OF RESEARCH - SEVERE DIS OR
 - 480-782 SURVEY OF RESEARCH - MILD DISAB
 2. 489-725 FIELDWORK WITH EXCEPTIONAL CHILDREN (3 CR)
 3. SELECT 0-6 CREDITS FROM:
 - a. 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) OR
 - b. 480-784 INSERVICE SEMINAR (1 CR) AND
 - 489-793 INSERVICE PRACTICUM (5 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 EC: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 AND/OR
 - 480-662 ED DIAG & ASSESS - LD, E/BD, MR
 - 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. 489-725 FIELDWORK
 7. SELECT AT LEAST 7 CREDITS OF ELECTIVES FROM DEPTS OF PSYCHOLOGY, SOCIAL WORK, BUSINESS EDUCATION, SPECIAL EDUCATION AND/ OR COUNSELING

SPECIAL EDUCATION COURSES (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 programing. 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.

480-606 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: 480-320/520.

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, 489-210E or 489-210F.

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 and 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 EMOTIONAL/BEHAVIORAL DISORDERS (E/BD) ELEMENTARY** 3 cr
 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 480-426/626.
- 480-672 CURRICULUM AND METHODS IN EMOTIONAL/BEHAVIORAL DISORDERS (E/BD) -SECONDARY** 3 cr
 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 MATERIALS FOR THOSE WITH MULTIPLE DISABILITIES** 3 cr
 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 LEARNING DISABILITIES-ELEMENTARY** 3 cr
 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 LEARNING DISABILITIES-SECONDARY** 3 cr
 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 LANGUAGE DISORDERS** 2 cr
 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 and 510-355/555 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 IEP 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.

480-780 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 3 cr

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.

- 480-784 INSERVICE SEMINAR** 1-3 cr
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.
- 480-790 WORKSHOP** 1-6 cr
- 480-794 SEMINAR** 1-3 cr
- 480-796 SPECIAL STUDIES** 1-3 cr
- 480-798 INDIVIDUAL STUDIES** 1-3 cr
- 480-799 THESIS RESEARCH** 1-6 cr
Prereq: Consent of instructor.
- 489-725 FIELDWORK WITH EXCEPTIONAL CHILDREN** 1-3 cr
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.
- 489-789A PRACTICUM: MENTAL RETARDATION-ELEMENTARY** 1-6 cr
- 489-789B PRACTICUM: MENTAL RETARDATION-SECONDARY** 1-6 cr
- 489-789C PRACTICUM: EMOTIONAL DISTURBANCE-ELEMENTARY** 1-6 cr
- 489-789D PRACTICUM: EMOTIONAL DISTURBANCE-SECONDARY** 1-6 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
- 489-789H PRACTICUM: SEVERELY AND PROFOUNDLY HANDICAPPED** 1-6 cr
- 489-793 PRACTICUM** 1-6 cr
Prereq: Graduate status, application and interview, completion of 9 credits at UW-Whitewater, and designated curriculum check sheet requirements.

Courses beginning with the prefixes 490-; and 499- are listed under Counselor Education Courses (pp. 76-78).

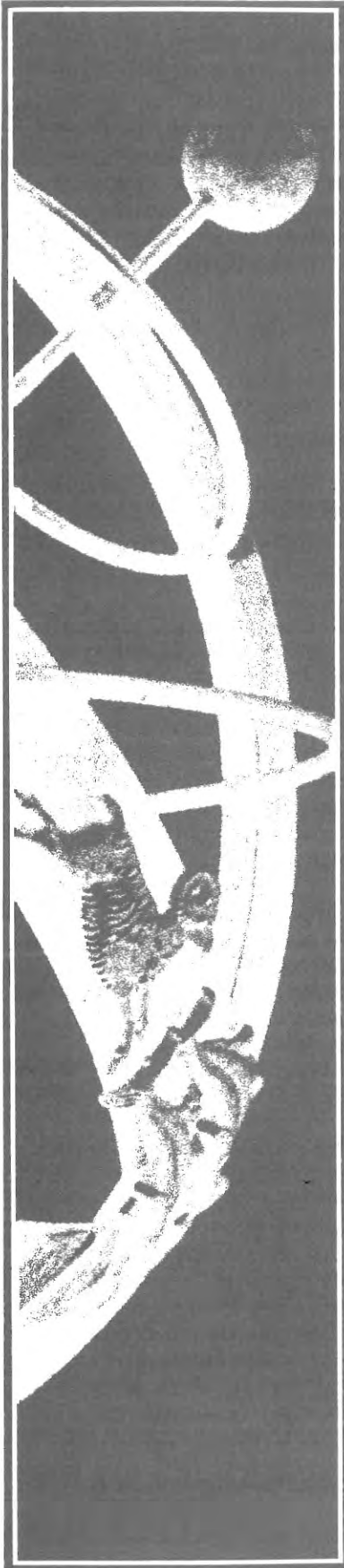
Courses beginning with the prefix 840- are listed under Psychology Courses (pp. 93-95).

Courses beginning with the prefix 860- are listed under Social Work Courses (pp. 112-113).

Courses beginning with the prefix 220- are listed under Business Education Courses (pp. 52-54).

Courses beginning with the prefixes 420-; 423-; and 424- are listed under Educational Foundations Courses (pp. 63-66).

Courses beginning with the prefixes 432-; 434-; and 437- are listed under Curriculum and Instruction Courses (pp. 67-71).



College of
**Letters
and Sciences**

UNIVERSITY OF WISCONSIN
Whitewater

Section V COLLEGE OF LETTERS AND SCIENCES

DEGREE PROGRAMS

***** SCHOOL PSYCHOLOGY

The Master of Science in Education (M.S.E.) program is part of a three-year, 66-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 prevention and intervention procedures with children and youth as they interact within the school environment. It provides comprehensive knowledge in psychological and educational foundations and extensive training in assessment, therapy, and consultation practices. Completion of the three-year program leads to Department of Public Instruction licensure as a School Psychologist.

Program Coordinator:

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

Additional Admission Requirements:

1. 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., strong subsequent academic study, outstanding relevant work experience, and/or exceptional personal qualifications).
2. An appropriate academic background with a minimum of 12 credits including a course in each of the following: child/adolescent psychology or development, abnormal psychology/behavior disorders, principles of behavior modification, and basic statistical methods. 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 admitted and allowed to satisfy that deficiency at the graduate level. These obtained prerequisite credits will not count toward the master's degree, but will count toward post-master's requirements.
3. A representative sample of the applicant's written expression skills in the form of a typed narrative letter of intent, 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. These letters should be 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. Applicants who prefer to submit the results of the Graduate Record Examination (GRE) in lieu of the MAT may do so. Have all results sent to UW-Whitewater Department of Psychology. It is the responsibility of the applicant to see that the scores are received at the School Psychology program before the April 1st application deadline. Failure to meet this deadline may result in a denial of admission due to an incomplete application packet.
6. Upon review, the School Psychology Committee may request a personal interview to provide additional information. Admission may be granted with or without an interview at the Committee's discretion.

Admission Timeline:

The School Psychology Program admits students only in the spring of the year for classes beginning the following fall term. Admitted students are also free to take summer term classes. A completed application packet, consisting of the narrative letter of intent, three letters of recommendation, the results of the Miller Analogies Test, and all application materials forwarded by the School of Graduate Studies must be on file with the Program Coordinator by APRIL 1.

Following the April 1 deadline, the School Psychology Committee will review packets and inform all applicants as to their admission status by mail in approximately one week. Applicants with complete application packets who are requesting early admission consideration due to competing deadlines should contact the Coordinator.

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 from UW-Whitewater or a master's degree in School Psychology from a program accredited by the National Association of School Psychologists (NASP) at the time the degree was granted. A

student with a master's degree in school psychology not from UW-Whitewater may be required to complete additional course work.

Requirements for Enrollment in the Internship in School Psychology and the Granting of the Provisional School Psychologist Licensure (Level 61):

1. A Master's degree in School Psychology from UW-Whitewater or a school psychology program accredited by the National Association of School Psychologists plus additional approved course work and practica in psychology and education together totalling at least 60 graduate credits with an overall grade point average of at least 3.00.
2. Completion of a residency requirement of at least two consecutive semesters of full-time (9-12 credits) enrollment.
3. Completion of the Wisconsin Human Relations requirement.

Students meeting these requirements must be enrolled in 840-795A Internship in School Psychology prior to making application through Teacher Licensure for the Provisional School Psychologist (Level 61) license.

Requests for exceptions or consideration of equivalencies to these requirements must be made in writing to the School Psychology Committee.

SCHOOL PSYCHOLOGY (M.S.E.)

PSYCHOLOGY - SELECT 48 CREDITS FROM

- 840-615 RESEARCH DESIGN
- 840-620 FOUNDATIONS OF PROFESSIONAL SCHOOL PSYCHOLOGY
- 840-624 HUMAN LEARNING
- 840-640 PSYCHOLOGICAL TESTS AND MEASUREMENTS
- 840-644 PRINCIPLES OF BEHAVIOR MODIFICATION
- 840-745 INDIVIDUAL INTELLIGENCE TESTING
- 840-746 PSYCHOPATHOLOGY OF CHILDHOOD AND ADOLESCENCE
- 840-766 INTERVIEW AND PSYCHOTHERAPY TECHNIQUES CHILD
- 840-767 INTERVIEW AND PSYCHOTHERAPY TECHNIQUE ADOLESCENT
- 840-769 CONSULTATION AND PREVENTION
- 840-770 ASSESSMENT OF PERSONALITY
- 840-793A SUPERVISED CLINICAL PRACTICUM I
- 840-793B SUPERVISED CLINICAL PRACTICUM II
- 840-795A INTERNSHIP IN SCHOOL PSYCHOLOGY I
- 840-795B INTERNSHIP IN SCHOOL PSYCHOLOGY II
- 840-796 SPECIAL STUDIES IN SCHOOL PSYCHOLOGY
- 840-799 THESIS RESEARCH

PROFESSIONAL EDUCATION - 12 CREDITS

COURSES FROM CURRICULUM AND INSTRUCTION, EDUCATIONAL FOUNDATIONS, AND SPECIAL EDUCATION SELECTED IN CONSULTATION WITH THE STUDENT'S ADVISER TO ADDRESS PROGRAM REQUIREMENTS AND SPECIFIC STUDENT INTERESTS

Requirements for Program Completion and Granting of the (Full) School Psychologist License (Level 62):

1. 60 credits of course work and practica including those listed above;
2. Successful completion of 840-795 A&B Internship in School Psychology;
3. Completion of the National School Psychology Examination.

Students meeting these requirements shall be granted the Certificate of Program Completion and may apply through Teacher Licensure for the (Full) School Psychologist License (Level 62).

PSYCHOLOGY COURSES (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 includes 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.

- 840-646 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.
- 840-647 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.
- 840-651 INTERPERSONAL RELATIONS AND SOCIAL INTERACTIONS** 3 cr
Theory, research and exercises in interpersonal perception, communication, motivation, leadership and problem-solving within groups.
- 840-652 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.
- 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.
- 840-644 PRINCIPLES OF BEHAVIOR MODIFICATION** 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.
- 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.
- 840-745 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.
- 840-790 WORKSHOP** 1-6 cr
Repeatable to 9 credits.
- 840-794 SEMINAR** 1-3 cr
- 840-798 INDIVIDUAL STUDIES** 1-3 cr
- SPECIALIZED COURSES**
- 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.
- 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.
- 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.
- 840-766 INTERVIEW AND PSYCHOTHERAPY 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 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 in a school setting. They will be assigned school 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: 840-444/644 and admission to graduate study in the Psychology Department or consent of instructor.

840-769 CONSULTATION AND PREVENTION 3 cr

The study of indirect intervention procedures for use with children and adolescents. Emphasis will be placed on understanding the history, theoretical variations, implementation issues, and practical application of psychological consultation in the school setting. Additional emphasis will be placed on the consultant's role in the planning and development of primary prevention procedures with school-age populations. In-school practicum is required.

Prereq: Admission to graduate study in the School Psychology Program 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.

840-793A 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 3 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 3 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

PROGRAMS OFFERING GRADUATE COURSES

GENERAL DIVISION COURSES (600)

600-689 SOVIET SEMINAR 3 cr

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.

600-690 WORKSHOP 1-3 cr

Repeatable.

600-691 TRAVEL STUDY 1-3 cr

600-696 SPECIAL STUDIES 1-3 cr

Repeatable.

BIOLOGICAL SCIENCES (630)

No degree programs offered.

Contact:

Biological Sciences Department
Upham Hall 303 Phone (414) 472-1092

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. Offered every spring.
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. Offered every spring.
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. Offered during the fall of even years.
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. Offered every fall.
Prereq: 630-251 and 630-253 or equivalents.

630-551 THE PLANT KINGDOM 3-4 cr

A study of the major groups of plants, with emphasis on structure, reproduction, classification and evolution. Offered during the fall of odd years.
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. Offered every spring.
Prereq: 630-141 and 630-142.

630-554 FIELD BOTANY 3 cr

A study of the identification and ecology of flowering plants, conifers and ferns. Emphasis will be given to the plants and plant communities in the vicinity of the course location. A collection of local plants is required of all students. Field trips required. Summer session only.
Prereq: 630-141 or an equivalent introductory botany course or consent of instructor.

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. Offered during the fall of odd years.
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. Offered every fall.
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. Offered every semester.

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. Offered during the spring of odd years.
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. Offered during the fall of even years.

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 ORNITHOLOGY 3 cr

Laboratory and field study of bird classification, evolution, anatomy, physiology, behavior, ecology, distribution and life histories. Field identification of resident and migrant Wisconsin birds is emphasized. Off-campus field trips. Four hours of lecture and laboratory.

Prereq: 630-257 or equivalent.

630-623 MAMMALOLOGY 3 cr

The evolution, classification, morphology, biogeography, ecology, and natural history of mammals of the world. Laboratory emphasis will be on Wisconsin mammals. Two hours of lecture per week and 2 hours of laboratory. Required 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. Offered during the spring of even years.

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. Offered during the spring of even years.

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. Offered every spring.

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. Offered during the fall of odd years.

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. Offered during the fall of even years.

Prereq: 630-257 or equivalent.

630-655 PARASITOLOGY 3 cr

The lifecycles, 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.

630-657 GENERAL ECOLOGY 4 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. Offered during the fall of even years.

Prereq: 630-251 or equivalent; 630-257 or equivalent; 760-231 or 760-342 or 840-215 or equivalent.

630-660 INTRODUCTORY MYCOLOGY 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.

630-663 MOLECULAR BIOLOGY 3 cr

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. Offered during the fall of odd years.

Prereq: Previous course work in biology and chemistry.

630-667 CONSERVATION BIOLOGY 3 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. Offered during the fall of odd years.

Prereq: 630-251 and 630-257 and 760-231 or 760-442 or 840-215 or equivalent statistics.

CHEMISTRY (640)

No degree program offered.

630-680 GENERAL LIMNOLOGY 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.

Contact:

Chemistry Department
 Upham Hall 230 Phone (414) 472-1070

630-690 WORKSHOP 1-3 cr

630-691 TRAVEL STUDY 1-3 cr

630-694 SEMINAR 1 cr

630-696 SPECIAL STUDIES 1-3 cr

630-703 ENVIRONMENTAL STUDIES 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.

630-790 WORKSHOP 1-6 cr

630-793 PRACTICUM 1-6 cr

630-794 SEMINAR 1-3 cr

630-796 SPECIAL STUDIES 1-3 cr

630-798 INDIVIDUAL STUDIES 1-3 cr

630-799 THESIS RESEARCH 1-6 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.

640-790 WORKSHOP 1-6 cr

640-794 SEMINAR 1-3 cr

640-798 INDIVIDUAL STUDIES 1-3 cr

GEOGRAPHY (722)

No degree programs offered.

Contact:

Geography Department
Upham Hall 219 Phone (414) 472-1071

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.
- 722-630 GEOGRAPHY OF RACE & ETHNICITY IN THE UNITED STATES DIVERSITY** 3 cr
The course will take a geographical approach to the study of ethnic groups in the United States. Native American, African American, Hispanic American, and Asian American groups will be studied systematically. Major topics will include mobility, culture regions, and the cultural landscape created by the various ethnic groups.
Prereq: Junior standing or 722-230 or 722-261 or 722-344.
- 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.
- 722-790 WORKSHOP** 1-6 cr
- 722-794 SEMINAR** 1-3 cr
- 722-798 INDIVIDUAL STUDIES** 1-3 cr
- 722-799 THESIS RESEARCH** 1-6 cr

GEOLOGY (616)

No degree program offered.

Contact:

Geology Department
 Salisbury Hall 406 Phone (414) 472-1077

616-501 ENVIRONMENTAL GEOLOGY 3 cr

A study of the physical and cultural problems associated with earthquakes, volcanism, weathering and mass movement, running water, groundwater, glaciers, coastal processes, waste disposal, contaminant hydrogeology, nonrenewable resources, and environmental health. An analysis of various engineering solutions and land use planning approaches concerning these problems will be examined. At least one field trip will be required. Possibly one or two optional field trips will be taken in which students will have to make a deposit to cover the cost of chartering a vehicle. Two lectures and one two-hour lab each week. The course will be offered during the Fall semester of the even numbered year.
 Prereq: 616-100 or 722-210 or consent of instructor.

616-690 WORKSHOP 1-3 cr

Repeatable. Prereq: Consent of instructor.

616-694 SEMINAR 1-3 cr

616-696 SPECIAL STUDIES 1-3 cr

Repeatable. Prereq: Consent of instructor.

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, 616-204 or their equivalents in other institutions.

HISTORY (740)

No degree program offered.

Contact:

History Department
 Baker Hall 214 Phone (414) 472-1103

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.

740-506 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.

740-525 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.

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.

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.

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.

740-581 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.

740-600 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.

- 740-601 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.
- 740-624 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.
- 740-660 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.
- 740-790 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)

No degree program offered.

Contact:

Mathematics and Computer Science Department
Baker Hall 237 Phone: (414) 472-1313

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.

760-663 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.

760-690 WORKSHOP 1-3 cr

760-694 SEMINAR 2 cr

760-696 SPECIAL STUDIES 1-3 cr

Prereq: Consent of instructor.

760-730 TOPICS IN PROBABILITY AND STATISTICS FOR EDUCATORS 3 cr

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.

Prereq: 760-152. Unreq: 760-342 or 760-441.

760-731 PROBABILITY AND STATISTICS FOR MATHEMATICS TEACHERS 3 cr

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.

Prereq: Graduate standing and a course in calculus that includes integration or consent of instructor.

760-740 TOPICS IN DISCRETE MATHEMATICS 3 cr

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.

Prereq: Undergraduate mathematics major, undergraduate mathematics minor or consent of instructor.

760-790 WORKSHOP 1-6 cr

760-794 SEMINAR 1-3 cr

760-798 INDIVIDUAL STUDIES 1-3 cr

760-799 THESIS RESEARCH 1-6 cr

COMPUTER SCIENCE (765)

765-502 COMPUTER LOGIC AND MICROPROCESSORS 3 cr

Structure of microprocessors and microprocessor systems, programming in machine language, computer logic and logic circuits, interfacing.

Prereq: 765-171.

765-507 MICRO COMPUTER APPLICATIONS 3 cr

This course will treat a variety of applications of micro computers, as well as their architecture, design and social impact.

Prereq: 765-171 or consent of instructor.

765-572 INTERMEDIATE PROGRAMMING 3 cr

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.

Prereq: 765-171. Unreq: 950-231.

765-612 COMPUTER ORGANIZATION AND SYSTEM PROGRAMMING 3 cr

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.
Prereq: 760-271 or consent of instructor.

765-690 WORKSHOP 1-3 cr
Repeatable. Prereq: Consent of instructor.

765-694 SEMINAR 2 cr

765-696 SPECIAL STUDIES 1-3 cr
Repeatable. Prereq: Consent of instructor.

765-705 INTRODUCTION TO PROGRAMMING 3 cr

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.
Prereq: Graduate standing and a working knowledge of algebra.

765-790 WORKSHOP 1-3 cr

765-794 SEMINAR 1-3 cr

765-798 INDIVIDUAL STUDIES 1-3 cr

MODERN LANGUAGES AND LITERATURES (680, 682, 684, 686)

No degree program offered.

Contact:

Modern Lanaguages and Literature Department
Heide Hall 405 Phone (414) 472-1036
Heide Hall 468 Phone (414) 472-1033

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 works within the context of intellectual freedom and potential censorship.

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 AFRICAN-AMERICAN LITERATURE, 1800 TO THE PRESENT 3 cr

A survey of essays, prose fiction, drama, and poetry written by African-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 African-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
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.
- 680-720 TEACHING WRITING** 3 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.
- 680-730 TEACHING LITERATURE** 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 Modern Languages and Literatures.
Unreq: 437-730.
- 680-744 BRITISH COMMONWEALTH AND POST-COLONIAL LITERATURE SINCE 1945** 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.
- 680-747 AMERICAN NOVELISTS** 3 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 Hemingway.
- 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.
- 680-789 RESEARCH IN ENGLISH** 3 cr
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.
- 680-790 WORKSHOP** 1 cr
Repeatable only with change of topic.
- 680-793 PRACTICUM** 1-3 cr
- 680-794 SEMINAR** 1-3 cr
- 680-796 SPECIAL STUDIES** 1-3 cr
- 680-798 INDIVIDUAL STUDIES** 1-3 cr
- 680-799 THESIS RESEARCH** 1-2 cr
- FOREIGN LANGUAGES (682, 684, 686)**
- FRENCH (682)**
- 682-690 WORKSHOP** 1-3 cr
- 682-691 TRAVEL STUDY** 1-3 cr
- 682-694 SEMINAR** 1-3 cr

682-696 SPECIAL STUDIES

GERMAN (684)

684-690 WORKSHOP

684-691 TRAVEL STUDY

684-694 SEMINAR

684-696 SPECIAL STUDIES

SPANISH (686)

686-690 WORKSHOP

686-691 TRAVEL STUDY

686-694 SEMINAR

686-696 SPECIAL STUDIES

1-3 cr

**PHILOSOPHY (782) AND
RELIGIOUS STUDIES (786)**

1-3 cr

No degree program offered.

1-3 cr

Contact:

1-3 cr

Philosophy and Religious Studies Department
Salisbury 406 Phone (414) 472-4775

1-3 cr

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.

1-3 cr

1-3 cr

1-3 cr

1-3 cr

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: NAZI 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, while 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

PHYSICS (800) AND ASTRONOMY (805)

No degree program offered.

Contact:

Physics Department
Upham Hall 123 Phone (414) 472-1067

PHYSICS (800)**800-503 MICROPROCESSOR LABORATORY 2 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.

Prereq: 800-175 (or 800-163) and 765-171; or concurrent registration in 765-302/502; or graduate standing with computer programming experience.

800-610 MODERN PHYSICS I 3 cr

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.

800-611 MODERN PHYSICS LABORATORY I 1 cr

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.

800-612 MODERN PHYSICS II 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.

800-690 WORKSHOP 1-8 cr**800-691 TRAVEL STUDY 1-3 cr****800-694 SEMINAR 1 cr****800-696 SPECIAL STUDIES 1-3 cr**

Prereq: Consent of the instructor.

800-790 WORKSHOP 1-6 cr**800-794 SEMINAR 1-3 cr****800-796 SPECIAL STUDIES 1-3 cr****800-798 INDIVIDUAL STUDIES 1-3 cr****800-799 THESIS RESEARCH 1-6 cr****ASTRONOMY (805)****805-550 ASTROPHOTOGRAPHY FOR THE AMATEUR 3 cr**

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.

805-630 ASTRONOMY FOR TEACHERS 3 cr

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.

805-690 WORKSHOP 1-5 cr**805-798 INDIVIDUAL STUDIES 1-3 cr**

POLITICAL SCIENCE (820)

No degree programs offered.

Contact:

Political Science Department
Salisbury 202 Phone (414) 472-1120

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.

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.

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.

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.

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.

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.

820-557 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.

820-657 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.

820-790 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

RACE AND ETHNIC CULTURES (610, 614, 611, 615)

No degree program offered.

Contact:

Race and Ethnic Cultures
Salisbury 303 Phone (414) 472-1553

GENERAL (610)

610-580 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.

610-690 WORKSHOP 1-3 cr

610-691 TRAVEL STUDY 1-3 cr

610-696 SPECIAL STUDIES 1-3 cr

610-790 WORKSHOP 1-3 cr

610-794 SEMINAR 1-3 cr

610-796 SPECIAL STUDIES 1-3 cr

610-798 INDIVIDUAL STUDIES 1-3 cr

AFRO-AMERICAN STUDIES (614)

614-520 A HISTORY OF BLACK MIGRATION IN THE U.S. 3 cr

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.

614-690 WORKSHOP 1-3 cr

614-691 TRAVEL STUDY 1-3 cr

614-694 SEMINAR 3 cr

614-696 SPECIAL STUDIES 1-3 cr

614-790 WORKSHOP 1-3 cr

614-794 SEMINAR 1-3 cr

614-796 SPECIAL STUDIES 1-3 cr

- 614-798 INDIVIDUAL STUDIES 1-3 cr *****
SOCIAL WORK (860)
 No degree program offered.
- AMERICAN INDIAN STUDIES (611)
- 611-690 WORKSHOP 1-3 cr **Contact:**
 Social Work Department
 Salisbury 231 Phone (414) 472-1137
- 611-691 TRAVEL STUDY 1-3 cr
- 611-696 SPECIAL STUDIES 1-3 cr
- 611-790 WORKSHOP 1-3 cr
- 611-794 SEMINAR 1-3 cr
- 611-796 SPECIAL STUDIES 1-3 cr
- 611-798 INDIVIDUAL STUDIES 1-3 cr
- CHICANO STUDIES (615)
- 615-510 HISTORY OF CHICANOS IN THE U.S.: 19TH CENTURY ROOTS AND 20TH CENTURY DEVELOPMENT 3 cr
 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.
- 615-520 POLITICS OF THE CHICANO 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.
- 615-680 MEXICAN LITERATURE IN TRANSLATION 3 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.
- 615-690 WORKSHOP 1-3 cr
- 615-691 TRAVEL STUDY 1-3 cr
- 615-694 SEMINAR 1-3 cr
- 615-696 SPECIAL STUDIES 1-3 cr
- 615-790 WORKSHOP 1-3 cr
- 615-794 SEMINAR 1-3 cr
- 615-796 SPECIAL STUDIES 1-3 cr
- 615-798 INDIVIDUAL STUDIES 1-3 cr
- 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 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 students with an understanding of the normal processes of physical, emotional, and socio-cultural development from infancy to young adulthood. It will enable the student to better recognize and understand common factors and needs 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 if all others are completed.
- 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 physical, emotional, and socio-cultural development from middle adulthood through old age. It will enable the student to better recognize and understand common factors and needs affecting normal development and maturity and relate these to social work practice.
 Prereq: 860-311.
- 860-537 INTRODUCTION TO SOCIAL GERONTOLOGY 3 cr
 This course is designed to introduce the student to social

and physical factors related to aging. It will include information regarding social services needed to assist the older person and an analysis of gaps in current services. Prereq: Consent of instructor.

860-541 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.

860-573 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: 610-580.

860-662 SOCIAL WELFARE POLICY 3 cr

820-662 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 social 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, computer usage, to develop competence 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)

No degree program offered.

Contact:

Sociology Department
Salisbury 204 Phone (414) 472-1133

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.

880-555 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.

880-562 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.

880-588 THE HOLOCAUST: NAZI GERMANY AND THE GENOCIDE OF THE JEWS 3 cr

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, while 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 ILLNESS 3 cr

This course examines the sociocultural aspects of health and illness, the patient-practitioner relationship, the 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 SOCIAL INEQUALITY 3 cr

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: THE SOCIOLOGY OF INTENTIONAL COMMUNITIES 3 cr

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 THEORY 3 cr

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

WOMEN'S STUDIES AND ANTHROPOLOGY (890, 892)

No degree program offered.

Contact:
 Women's Studies and Anthropology Department
 Salisbury 338 Phone (414) 472-1042

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.

890-794 SEMINAR 1-3 cr

890-798 INDIVIDUAL STUDIES 1-3 cr

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.

890-570 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.

890-696 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

ANTHROPOLOGY (892)

892-512 ARCHAEOLOGY OF MESO- AND SOUTH AMERICA 3 cr

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.

892-525 PEOPLES AND CULTURES OF SOUTH ASIA 3 cr

Survey of South Asia, with emphasis on the contemporary social and cultural anthropology of India and Nepal.

892-534 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.

892-620 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.

892-694 SEMINAR 3 cr

892-696 SPECIAL STUDIES 3 cr

Repeatable. Prereq: 6 credits in anthropology or consent of instructor.

892-794 SEMINAR 1-3 cr

892-798 INDIVIDUAL STUDIES 1-3 cr

APPROVED WOMEN'S STUDIES COURSES IN OTHER DEPARTMENTS

ANTH 892-534 Women in Cross-Cultural Perspective 3 cr

116 WOMEN'S STUDIES & ANTHROPOLOGY COURSES

ANTH 892-694 Seminar: Issues in Feminist Anthropology	3 cr
ANTH 892-694 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 740-525 Women in the Western World	3 cr
HIST 740-526 Hist. 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



Cooperative Programs

UNIVERSITY OF WISCONSIN
Whitewater

Section VI

COOPERATIVE PROGRAMS

DEGREE PROGRAMS

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 33 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
290/433-772 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

Courses beginning with the prefix 290/433 are listed School Business Management Courses (p. 55).

Courses beginning with the prefix 423- are listed under Educational Foundations Courses (pp. 63-67).

Courses beginning with the prefixes 430-; 433- are listed under Curriculum and Instruction Courses (pp. 67-71).

EDUCATIONAL ADMINISTRATION COURSES (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.
- 433-776 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.

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. Kozlowicz
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.



Organization

UNIVERSITY OF WISCONSIN
Whitewater

Section VII Organization

ADMINISTRATION

Board of Regents of the University of Wisconsin System

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Lee Sherman Dreyfus	Waukesha
C. Daniel Gelatt	LaCrosse
Michael W. Grebe, President.....	Milwaukee
Kathleen J. Hempel	Green Bay
Ruth Marcene James	Fennimore
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Sheldon B. Lubar, Vice President	Milwaukee
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University of Wisconsin System Administration

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Senior Vice President for Academic Affairs	David J. Ward
Senior Vice President for Administration	Ronald C. Bornstein
Vice President for Business and Finance	Raymond A. Marnocha
Vice President for Physical Planning and Development	Paul L. Brown
Vice President for University Relations	David W. Olien

University of Wisconsin-Whitewater Campus Administration

Office of the Chancellor

Chancellor	H. Gaylon Greenhill
Director of Budget	Randy D. Marnocha
Director of Intercollegiate Athletics-Men	William L. Myers
Director of Intercollegiate Athletics-Women	Dianne C. Jones

Office of the Provost and Vice Chancellor for Academic Affairs

Provost and Vice Chancellor for Academic Affairs	Kay K. Schallenkamp
Associate Vice Chancellor for Academic Affairs	Larry W. Davis
Assistant Vice Chancellor for Academic Support Services	Roger L. Pulliam
Assistant Vice Chancellor for Equal Opportunities	Susan L. Moss

Assistant Vice Chancellor for Technology and Information Resources	Hsi-ping Shao
Assistant Vice Chancellor and Registrar	John Bodensteiner
Dean of College of Arts and Communication	Karen A. Boubel
Dean of College of Business and Economics	Joseph S. Domitrz
Dean of College of Education	Jeffrey C. Barnett
Dean of College of Letters and Sciences	Howard L. Ross
Dean of Graduate Studies and Continuing Education	Richard C. Lee

Office of the Assistant Chancellor for Student Affairs and Dean of Student Life

Assistant Chancellor for Student Affairs and Dean of Student Life	Roger B. Ludeman
Associate Dean of Student Life	Diane M. Bailiff
Assistant Dean of Student Life for New Student Programs	Wanda J. Martin-Terry
Executive Director of Admissions	Irv A. Madsen
Director of Career Services	Carolyn B. Gorby
Director of Disabled Student Services	John D. Truesdale
Director of Financial Aid	Tillman Terry Jr.
Director of University Health & Counseling Services	Judith A. McNeely
Director of Residence Life	Jeff C. Janz
Executive Director of Auxiliary Services	Stephen H. Summers
Director of Bookstore and Textbook Rental	Wayne C. Lusk
Director of Children's Center	Robin K. Fox
Director of Irvin L. Young Auditorium	Lorraine H. Gross
Director of Recreation Sports/Facilities	Gary L. Harms
Director of University Center/Activities	Patricia K. Freer
Coordinator of Student/Employee Assistance	Lynn A. Mucha

Office of the Assistant Chancellor for Administrative Services

Assistant Chancellor for Administrative Services	James W. Freer
Director Financial Services and Controller	Thomas C. Klug
Director of Personnel and Payroll Services	Elizabeth J. McGlynn
Director of Police and Parking Services	Janis K. Goder
Director of Environmental Health, Risk Management Safety & Loss Control	Vay A. Rodman
Director, Facilities Planning & Management	Thomas R. Lauer

Office of the Assistant Chancellor for University Relations

Assistant Chancellor for University Relations	Michael C. Spellman
Director of Alumni Relations	Mark S. Dorn
Director of News and Public Affairs	Walter Ulbricht

ADMINISTRATIVE AND ACADEMIC SUPPORT STAFF

H. GAYLON GREENHILL (1962), Chancellor and Professor of Political Science, B.S., University of Wisconsin-River Falls; M.A., Ph.D., University of Illinois.

JEFFREY C. BARNETT (1989), Dean of College of Education and Professor of Curriculum and Instruction, B.S., Shippensburg State College, Shippensburg, PA; M.S., Bucknell University, Lewisburg, PA; Ph.D., Pennsylvania State University.

HARISH C. BATRA (1971), Associate Dean of College of Business and Economics and Professor of Finance and Business Law. B.A., Punjab University; B.A., Augustana College; M.B.A., Ph.D., University of Illinois.

KAREN A. BOUBEL (1974), Dean of College of Arts and Communication and Professor of Music, B.M., University of Wisconsin-Superior; M.M., Ph.D., University of Wisconsin-Madison.

CHARLES E. COTTLE (1977), Director of User Training and Support Services of Technology and Information Resources and Professor of Political Science, B.A., University of the Americas; M.A., Western Illinois University; Ph.D., Kent State University, OH.

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THOMAS M. GANSER (1990), Director of Clinical Experiences and Assistant Professor of Curriculum and Instruction, B.A., Ph.D., University of Wisconsin-Milwaukee; M.A., Ohio State University.

LORRAINE H. GROSS (1968), Director of Irvin L. Young Auditorium and Cultural Affairs and Professor of Theatre, B.S., Valparaiso University; M.S., Ph.D., Michigan State University.

DIANNE C. JONES (1975), Athletic Director-Women and Professor of Health, Physical Education, Recreation, and Coaching, B.S., Eastern Kentucky University; M.S., Western Illinois University; Ed.D., West Virginia University.

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WILLIAM L. MYERS (1968), Director of Athletics-Men and Professor of Health, Physical Education, Recreation and Coaching, B.S., M.S., Eastern Illinois University; Ph.D., University of Wisconsin-Madison.

VAY A. RODMAN (1984), Risk Management and Safety Officer and Professor of Safety Studies, B.S., Black Hills State College; M.P.H., Ph.D., University of Oklahoma; M.S.E.H., East Tennessee University.

HOWARD L. ROSS (1993), Dean of College of Letters and Sciences and Professor of Philosophy and Religious Studies, B.A., Saint Xavier University; M.A., Northwestern University; M.A., University of Missouri-Columbia; M.A., Ph.D., Southern Illinois University.

KAY K. SCHALLENKAMP (1992), Provost and Vice Chancellor for Academic Affairs and Professor of Communicative Disorders, B.S., Northern State College-Aberdeen; M.A., University of South Dakota-Vermillion; Ph.D., University of Colorado-Boulder.

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PATRICIA A. TOWNSEND (1966), Associate Dean of College of Arts and Communication and Professor of Communication, B.S., M.A., Stephen F. Austin College; Ph.D., University of Wisconsin-Madison.

DONALD K. ZAHN (1978), Assistant Dean of College of Business and Economics and Professor of Business Education and Office Systems, B.E., University of Wisconsin-Whitewater; M.A., Northern Arizona University; Ed.D., University of Montana.

GRADUATE FACULTY

GEORGE R. ADAMS (1966), Professor of Modern Languages and Literatures, B.A., Ph.D., University of Oklahoma.

RICK A. ADAMS (1993), Assistant Professor of Biological Sciences, B.A., M.A., Ph.D., University of Colorado, Boulder, CO.

MOHAMMAD H. AHMADI (1986), Associate Professor of Mathematics and Computer Science, B.A., Tehran University of Teachers, Iran; M.S., University of Superior; M.A., Ph.D., University of Wisconsin-Madison.

DEBORAH J. AKS (1993), Assistant Professor of Psychology, B.A., SUNY-Binghamton, NY; M.A., Ph.D., University of British Columbia, Vancouver, British Columbia.

STEVEN J. ALBRECHTSEN (1983), Professor of Health, Physical Education, Recreation, and Coaching, B.S., University of Minnesota, MN, M.S., Ph.D., Colorado State University, Fort Collins, CO.

JANET A. ANDERSON (1969), Professor of Art, B.A., M.A., Pennsylvania State University; Ph.D., University of Michigan.

MARSHALL B. ANDERSON (1986), Associate Professor of Theatre, B.A., Luther College; M.F.A., Illinois State University.

PEGGY E. ANDERSON (1965), Professor of Management, B.A., MacMurray College; M.S., Ph.D., University of Illinois.

STEVEN W. ANDERSON (1987), Associate Professor of Chemistry, B.A., Carthage College, Kenosha, WI; M.S. Marquette University, Milwaukee, WI; Ph.D., Northern Illinois University, DeKalb, IL.

AMY E. ARNTSON (1982), Professor of Art, B.F.A., Michigan State University; M.F.A., University of Wisconsin-Milwaukee.

- MALVINA F. BAICA (1984), Professor of Mathematics and Computer Science, B.S., M.S., University of Timisoara, Romania; M.S., Illinois Institute of Technology, IL; Ph.D., University of Houston, TX.
- CATHERINE R. BARATTA (1995), Assistant Professor of Social Work, B.A., Franklin Pierce College, Rindge, NH; M.S.W., M.P.I.A., University of Pittsburgh; Ph.D., Syracuse University, NY.
- CLAUDIA J. BARRETO (1995), Assistant Professor of Biological Sciences, B.A., Adelphi University, Garden City, NY; M.S., New York University, NY; Ph.D., University of Wisconsin-Madison.
- JANET R. BARRETT (1990), Associate Professor of Curriculum and Instruction and Music, B.M., M.A., University of Iowa; Ph.D., University of Wisconsin-Madison.
- PETER J. BARRETT (1985), Assistant Professor of Finance and Business Law, M.S., J.D., University of Wisconsin-Madison; M.B.A., Ph.D., University of Wisconsin-Milwaukee.
- PETER C. BARTON (1983), Professor of Accounting, B.A., Syracuse University, Syracuse, NY; M.B.A., J.D., University of Wisconsin-Madison.
- RAYMOND D. BAUS (1988), Assistant Professor of Communication, B.S., University of Bridgeport, Bridgeport, CT; M.A., West Virginia University, Morgantown, WV.; Ph.D., Southern Illinois University-Carbondale.
- MARILYNN R. BAXTER (1975), Professor of Theatre, B.A., State University of Iowa; M.A., Ph.D., University of Wisconsin-Madison.
- BARBARA R. BEAVER (1993), Assistant Professor of Psychology, B.A., Saint Xavier College, Chicago; M.A., Ph.D., Northern Illinois University-DeKalb.
- GARY L. BENSON (1990), Irving L. Young/Wisconsin Distinguished Professor in Entrepreneurship and Professor of Management, B.S., M.P.A., Brigham Young University; Ph.D., Arizona State University.
- RONALD J. BERGER (1981), Professor of Sociology, B.A., M.A., Ph.D., University of California.
- ASHOK BHARGAVA (1970), Professor of Economics, B.A., M.A., Delhi University; M.S., Ph.D., University of Wisconsin-Madison.
- LLOYD A. BINAGI (1982), Assistant Professor of Race and Ethnic Cultures and History, M.S., M.A., Ph.D., Temple University, Pennsylvania.
- ELIZABETH L. BLUMBERG (1967), Professor of Art, B.S., M.S., M.F.A., University of Wisconsin-Madison.
- M. JANETTE BOHI (1959), Professor of History, B.A., Wheaton College; M.A., Ph.D., University of Illinois at Urbana-Champaign.
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- SCOTT T. BRADLEY (1993), Associate Professor of Communicative Disorders, B.A., University of Wisconsin-Milwaukee; M.A., Ohio University; Ph.D., Vanderbilt University, Nashville, TN.
- TOM BRAMORSKI (1989), Associate Professor of Management, B.S., M.S., Warsaw Technical University, Warsaw, Poland; M.B.A., Ph.D., University of Iowa, Iowa City, IA.
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- DAVID E. CARTWRIGHT (1982), Professor of Philosophy and Religious Studies, B.S., University of Wisconsin-Stevens Point; M.A., University of Wyoming; M.A., Ph.D., University of Wisconsin-Madison.
- PATRICIA L. CASEY (1972), Professor of Communicative Disorders, B.S., University of Wisconsin-Whitewater; M.S., University of Wisconsin-Milwaukee; Ph.D., Indiana University-Bloomington.
- JACK L. CASSINGHAM (1967), Professor of Music, B.M.E., Central Missouri State College; M.M., Northwestern University; D.M.A., University of Missouri.
- CHUNG-SUM CHAK (1995), Assistant Professor of Art, B.F.A., State University of New York, New Paltz, NY; M.F.A., University of Illinois, Champaign-Urbana.
- WILLIAM L. CHANDLER (1990), Assistant Professor of Curriculum and Instruction, B.A., Concordia Teachers College, River Forest, IL; B.F.A., M.S., University of Wisconsin-Milwaukee; Ed.D., Ball State University.
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- L. BRENDA CLAYTON (1989), Associate Professor of Health, Physical Education, Recreation, and Coaching, B.S., Winthrop College, Rockhill, SC; M.S., Ed.D., University of North Carolina at Greensboro.
- CHRISTINE CLEMENTS (1990), Assistant Professor of Management, B.A., University of Wisconsin-Madison; M.B.A., University of Wisconsin-LaCrosse; Ph.D., University of Arkansas.
- DEWITT CLINTON (1982), Professor of Modern Languages and Literatures, B.A., Southwestern College, Kansas; M.A., Wichita State, Kansas; M.F.A., Ph.D., Bowling Green State University.
- JERRE C. COLLINS (1984), Associate Professor of Modern Languages and Literatures, B.A., M.T.H., University of Notre Dame, IN; M.A., Ph.D., University of Wisconsin-Milwaukee.
- THOMAS L. COLWIN (1982), Associate Professor of Theatre/Dance, B.A., University of Wisconsin-Oshkosh; M.A., University of Illinois/Urbana; Ph.D., Texas Tech University.
- PETER D. CONOVER (1972), Professor of Communication and Director of Cable 6, B.A., University of Iowa; M.S., Syracuse University; Ph.D., University of Wisconsin-Madison.
- GREGORY L. COOK (1990), Associate Professor of Psychology, B.S., University of Dayton, Dayton, OH; Ph.D., Vanderbilt University, Nashville, TN.
- RONALD R. CRABB (1986), Associate Professor of Finance and Business Law, B.A., M.B.A., Ph.D., University of Wisconsin-Madison.
- LAWRENCE J. CRONE (1962), Associate Professor of Biological Sciences, A.B., Carthage College; Ph.D., Rutgers University.

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DENIS A. DALE (1988), Associate Professor of Art, B.A., Western Illinois University, Macomb, IL; M.F.A., University of Wisconsin-Madison.

WADE H. DAZEY (1990), Associate Professor of Philosophy and Religious Studies, B.A., University of California-Santa Cruz; M.A., Ph.D., University of California-Santa Barbara.

CARLOS W. DE ONIS (1982), Associate Professor of Modern Languages and Literatures, B.A., University of Colorado-Boulder; M.A., University of Wyoming; Ph.D., University of Colorado-Boulder.

ROXANNE DE PAUL (1988), Associate Professor of Communicative Disorders, B.A., Brooklyn College, CUNY, NY; M.S., Columbia University, New York; Ph.D., University of Wisconsin-Madison.

BETTY A. DIAMOND (1985), Assistant Professor of Modern Languages and Literatures, B.A., Queens College CUNY; M.A., University of Leicester, England; Ph.D., University of Wisconsin-Madison.

JOHN R. DOMINGUEZ (1988), Professor of Economics, B.A., University of Southern California, Los Angeles, CA; Ph.D., Massachusetts Institute of Technology, Boston, MA.

R. NEIL DORTCH (1968), Professor of Business Education and Office Systems, B.S., Austin Peay State University; M.S., Northern Illinois University; Ph.D., University of Wisconsin-Madison.

HOLLY A. DOWNING (1988), Associate Professor of Biological Sciences, B.A., Smith College, Northampton, MA; M.S., Ph.D., University of Wisconsin-Madison.

WILLIAM A. DRAGO (1990), Assistant Professor of Management, B.S., Iowa State University; M.B.A., University of Wisconsin-LaCrosse; Ph.D., University of Arkansas.

EDWARD J. DREXLER (1964), Professor of Chemistry, B.S., M.S., Xavier University; Ph.D., Wayne State University.

ROLAND E. DURETTE (1964), Professor of Modern Languages and Literatures, B.A., St. Anselm's College; M.A., Laval University, Quebec, Canada; Ph.D., Florida State University.

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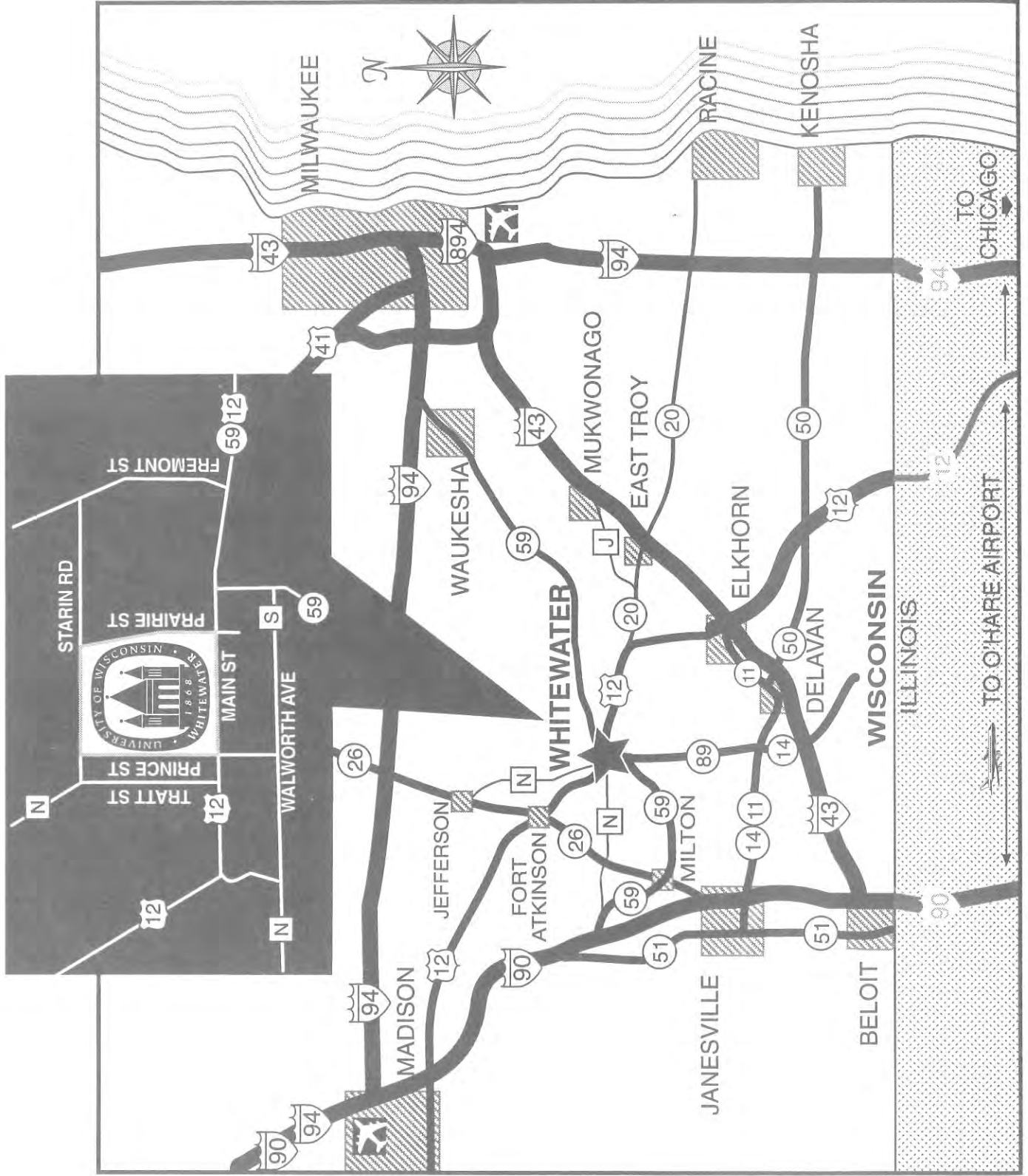
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