

1995-96 CATALOG

UNIVERSITY OF WISCONSIN CENTERS

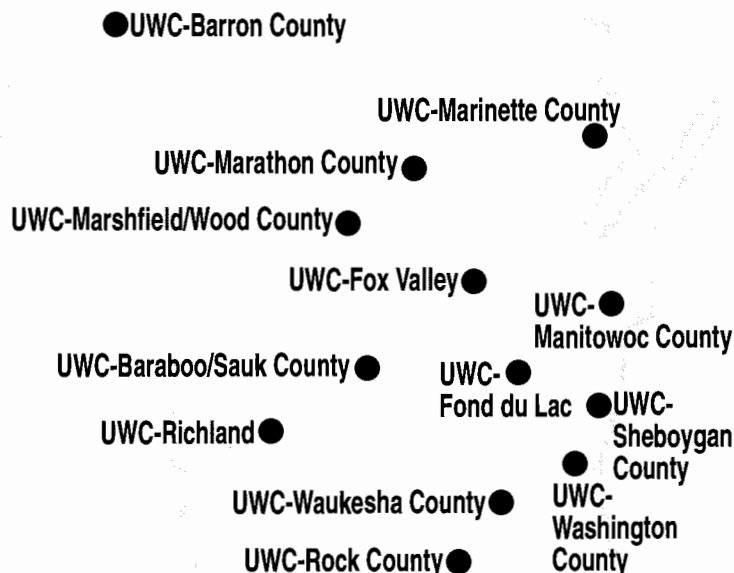




University of Wisconsin Centers

1995-96 Catalog

UW Centers campuses



UWC-Manitowoc County
Student Services Office
705 Viebahn Street
Manitowoc, WI 54220-6699
414/683-4707

UWC-Marathon County
Student Services Office
518 South 7th Avenue
Wausau, WI 54401-5396
715/845-9602

UWC-Marquette County
Student Services Office
750 West Bay Shore
Marquette, WI 54143-4299
715/735-4301

UWC-Marshfield/Wood County
Student Services Office
2000 West 5th Street
Marshfield, WI 54449-0150
715/389-6530

UWC-Richland
Student Services Office
1200 Highway 14 West
Richland Center, WI 53581-1399
608/647-6186

UWC-Rock County
Student Services Office
2909 Kellogg Avenue
Janesville, WI 53546-5699
608/758-6523

UWC-Sheboygan County
Student Services Office
One University Drive
Sheboygan, WI 53081-4789
414/459-6633

UWC-Washington County
Student Services Office
400 University Drive
West Bend, WI 53095-3699
414/335-5201

UWC-Waukesha County
Student Services Office
1500 University Drive
Waukesha, WI 53188-2799
414/521-5210

UWC-Baraboo/Sauk County
Student Services Office
1006 Connie Road
Baraboo, WI 53913-1098
608/356-8724

UWC-Barron County
Student Services Office
1800 College Drive
Rice Lake, WI 54868-2497
715/234-8024

UWC-Fond du Lac
Student Services Office
400 Campus Drive
Fond du Lac, WI 54935-2998
414/929-3606

UWC-Fox Valley
Student Services Office
1478 Midway Road
P.O. Box 8002
Menasha, WI 54952-8002
414/832-2620

From the Chancellor

Dear Student,

Welcome to the University of Wisconsin Centers! You may be a beginning college student, a returning adult student or transferring from another college. I congratulate you on your choice to begin your journey toward a college degree at one of the Centers' thirteen campuses across the state.

On each campus the faculty and staff will serve as your guides, your advisors, your friends and teachers. Because our campuses and classrooms are small, you will have many opportunities to work directly with faculty members who share a commitment to teaching excellence. You will be challenged to always do your best, but you will have all of our support on your road to success.

You will also have opportunities to take part in varying student activities of your choice. You may decide to become involved through a campus newspaper, athletics, student governance, or the performing arts. Because we are closely linked to the communities in which we are located, you may see many of your friends and neighbors at campus events.

Your success is important to us, and the book you are now reading is an element of that success. While you are on this educational journey, use this catalog as a map to guide you. Enjoy the trip!

Sincerely,



Lee Grugel, Chancellor

UW Centers Select Mission

In addition to the UW System mission, the University of Wisconsin Centers has the following select mission:

The University of Wisconsin Centers, as part of the University of Wisconsin System, shares the University's overall responsibility to disseminate knowledge, expand information, enrich our culture, and to provide outreach services. These activities are carried out at the 13 locally-owned campuses which,

collectively, are the freshman-sophomore, liberal arts transfer institution of the University of Wisconsin System, entitled to offer a general education associate degree. Its programs aim to provide qualified students of all ages and backgrounds with the proficiencies and breadth of knowledge that prepare them for baccalaureate and professional programs, for lifelong learning, and for leadership, service, and responsible citizenship.

Table of Contents

UW Centers	i
Locations	i
Addresses	i
Telephone numbers	i
UW Centers Mission	ii
Frequently asked questions	iv
UW System Board of Regents	vi
UW System Administration	vi
UW Centers Board of Visitors	vi
UW Centers	
History	vi
Structure	vi
Central Office administration	vii
Distinctive Programs	viii
Admission, Tuition and Fees; Financial Aid	1
Registration, Academic Procedures,	
Regulations	11
Transfer from a UW Center	21
Degree Requirements	22
Course Descriptions	24
UW Centers Campuses	61
Baraboo/Sauk County	63
Barron County	66
Fond du Lac	69
Fox Valley	72
Manitowoc County	75
Marathon County	78
Marinette County	82
Marshfield/Wood County	84
Richland	87
Rock County	90
Sheboygan County	93
Washington County	96
Waukesha County	99
Academic Calendar	104
Index	105

How to use this catalog:

Although you are enrolled at a specific University of Wisconsin Center, the policies and procedures are the same at each of the 13 UW Centers throughout Wisconsin. This catalog provides important information about admission, registration, financial aid procedures, academic regulations and programs as well as information about individual UW Centers. It also outlines what the institution can offer and what is expected of you as a student.

Advisors at each UW Center student services office, or faculty advisors, will assist you in planning your academic program and transferring to another university.

Additional information on co-curricular activities, financial aid, special academic programs, and special features of the UW Center is available in the campus student services office.



Our commitment to you

The University of Wisconsin Centers, a collection of 13 locally-owned campuses throughout the state, is proud of its transfer mission within the University of Wisconsin System. The UW Centers freshman/sophomore curriculum will provide you with the breadth of knowledge necessary for baccalaureate or professional study. Whatever your age, you will find the UW Centers to be excellent preparation for responsible citizenship and a valuable step toward lifelong learning.

We emphasize teaching excellence. Faculty and staff will take individual interest in your personal and intellectual development and encourage you to take an active role in learning. Each campus has programs to serve the special needs of its students, particularly

those who are high achievers, nontraditional in age, minority, or disadvantaged. At a UW Center, you won't wait until their upper-class years for experiences such as independent study, research, international travel, professional conferences, academic organizations and extracurricular activities. Faculty and staff are available to introduce you to these important aspects of academic life.

Our commitment also includes service to our local communities. Local citizens benefit from continuing education, off-campus instruction, cultural enrichment and the professional resources of the UW Centers.

Teaching excellence, personal interest, academic enrichment, enriching experiences and community service – this is our commitment to you.

Frequently asked questions:

Q. What is a University of Wisconsin Center?

- A. The 13 UW Centers offer freshman/sophomore level university instruction. Each UW Center offers a transfer curriculum for the baccalaureate degree and professional studies and a general education associate degree. Most students live in or near the community where the UW Center is located and commute to the campus. The physical facilities of each UW Center were constructed and are owned by local county and/or city government, and the UW Centers are vital educational and cultural resources for area residents.

Q. How does the UW Centers fit into the University of Wisconsin System?

- A. The UW Centers is one of 15 institutions within the UW System. The System also includes 11 comprehensive universities granting bachelor's and master's degrees; two doctoral universities granting bachelor's, master's, and doctorate degrees; and UW-Extension.

Q. Will my credits transfer?

- A. Yes. The UW Centers is accredited by the North Central Association of Colleges and Universities. Therefore, Centers credits will be accepted by other colleges and universities throughout the country. It is important, however, that you assure that the courses you take at a Center will not only transfer for credit but will also fulfill the requirements that you intend rather than counting simply as electives. Research carefully the specific requirements of your intended transfer institution. As you plan your program of study, you should seek the help of an advisor, consult the catalog of your intended transfer campus and use the UW

System's computerized Transfer Information System (TIS) which is available on every UW campus. Also, note that courses that are considered remedial will usually not transfer.

Ask about Joint Admission and special articulation agreements which may ease your transfer to UW institutions and private colleges.

Q. Am I eligible for admission?

- A. Anyone who desires a university education and applies for admission to a UW Center will be considered for admission. If you graduated from high school with the required units or have a high school equivalent certificate, such as a GED, your chances of being accepted are good (see the Admissions section). If you are accepted and your high school record indicates that you may have difficulty with university work, you will be asked to participate in special programs and advising through the campus Office of Student Services. The UW Centers gives special consideration on the basis of minority group status, physical or learning disability, U.S. Armed Forces veteran status, age group, incarceration, or economic or educational disadvantage. Consult the admission section of this catalog for the specific policy affecting you.

Q: If I have a disability can I obtain accommodations?

- A. Yes. If you are a qualified student with a disability which requires accommodation and can provide appropriate documentation. Contact the student services office on your campus or the Coordinator of Services for Students with Disabilities in Madison at 608/262-2001 (voice) or 608/265-5766 (TDD/TTY) for information and assistance.

Q. How do I apply?

- A.** Applying is simple. Obtain a UW System Application for Undergraduate Admission from your high school guidance office, your local UW Center Student Services Office, or any UW admissions office and complete it. The form will list an address to which you should send your completed application and other required materials.

Q. Are financial aid funds, scholarships, and part-time jobs available?

- A.** Yes, at all campuses. To find the programs for which you qualify, see the financial aid section of this catalog and contact your local UW Center Student Services Office. This office also has information about on-campus and off-campus employment.

Q. What degree can I earn at a UW Center?

- A.** UW Centers offers a liberal arts Associate of Arts and Science Degree. The associate degree can be an advantage when you transfer to complete your bachelor's degree. Generally, University of Wisconsin institutions will accept the associate degree as fulfilling the university-wide, college, and school general education breadth requirements. However, it may not fulfill certain proficiency, major and/or program-specific requirements. Of course, even if you choose not to earn the associate degree, courses from the UW Centers will transfer to all UW institutions, as well as to private colleges in Wisconsin and public and private universities and colleges throughout the country.

Q. What kind of faculty will I find at the UW Centers?

- A.** The UW Centers places a major emphasis on teaching excellence. The faculty are highly qualified, dedicated individuals whose main interest is teaching freshmen and sophomores. UW Centers faculty understand the importance of one-to-one communication between a student and a professor, and they are committed to that kind of teaching. This commitment will be reflected in the high quality of your UW Centers education.

Q. I graduated from high school several years ago. Are there any programs at the UW Centers to help me ease into school again?

- A.** Yes. The UW Centers believes in the importance of a mix of ages and experiences in a university classroom. A significant percentage of UW Centers students is over age 25. Faculty members and advisors are particularly aware of the special needs of nontraditional students—you will find orientation programs, services, or

organizations for students like you. And, if you wish to attend part time, a Student Services advisor can help you plan a class schedule around your job and family life.

Q. Are there special programs to help me improve my academic skills?

- A.** Many UW Centers offer special programs for basic skills development, and tutoring services are available. Your Student Services advisor can give you details about these programs.

Q. My academic achievement always has been very high. Are there special programs for me?

- A.** Yes. Several UW Centers offer honors programs, independent research or other special projects for exceptional students. Inquire at the campus Student Services Office.

Q. How can I become involved in extracurricular activities?

- A.** Whether your interests are in student government, drama, music, athletics, outdoor activities, student publications or other student-related activities, you'll find them on all campuses. Students also are offered opportunities for study and travel abroad. For details about how to get involved, contact a faculty member in your area of interest or the Student Services Office.

Q. Do UW Centers offer vocational-technical college classes?

- A.** No. Vocational-technical courses are not offered. Wisconsin has a separate and well-developed system of vocational-technical colleges. That system and the UW Centers have different missions and goals and, therefore, different course and program offerings.

Q. Whom do I contact if I have questions or would like to visit a campus?

- A.** If you would like more specific information or wish to visit a particular UW Center, contact the Student services office at the campus of your choice. Names, addresses and telephone numbers of the 13 UW Centers campuses are included in this catalog.

University of Wisconsin System

Board of Regents

Jonathan B. Barry, Mt. Horeb
John T. Benson, Madison
John Budzinski, Milwaukee
Lee Sherman Dreyfus, Waukesha
C. Daniel Gelatt, La Crosse
Michael W. Grebe, Milwaukee, Regent President
Adolf L. Gundersen, La Crosse
Kathleen J. Hempel, Green Bay
Ruth Marcene James, Fennimore
Phyllis M. Krutsch, Washburn
Sheldon B. Lubar, Milwaukee
Virginia R. MacNeil, Bayside
San W. Orr, Jr., Wausau
Gerard A. Randall, Jr., Milwaukee
Paul R. Shilling, Milwaukee
George K. Steil, Sr., Janesville
Joshua E. Tregoning, Whitewater

UW System Administration

Katharine C. Lyall, President
David J. Ward, Senior Vice President
for Academic Affairs
Senior Vice President for Administration
(to be announced)
Raymond A. Marnocha, Vice President
for Business and Finance
Paul L. Brown, Vice President for Physical Planning
and Development
David W. Olien, Vice President
for University Relations

Board of Visitors

Louise Aderhold, UWC-Baraboo/Sauk County
Jane Alby, UWC-Fox Valley
Joseph S. Berger, Jr., UWC-Fond du Lac
Jean Birkett, UWC-Richland
Mary Boehnlein, UWC-Waukesha County
Dan Genereau, UWC-Barron County
Janet L. Hubbell, UWC-Washington County,
President
Terrance Leigh, UWC-Marinette County
Larry S. MacDonald, UWC-Sheboygan County
Carl Meissner, UWC-Marshfield/Wood County
James Stauff, UWC-Rock County
Donald Vogt, UWC-Manitowoc County
Ya Myyofu Yang, UWC-Marathon County

University of Wisconsin Centers

History of the UW Centers

The roots of the UW Centers extend to the establishment of off-campus classes and the creation of UW-Extension in 1907. In 1946, the UW Regents developed a policy for local communities to provide buildings for exclusive use by the UW Centers. Early UW Centers were part of the former University of Wisconsin Madison campus. Later, other UW Centers were added by institutions of the former Wisconsin State University System. The merger of the University of Wisconsin and the State University System in 1972 resulted in the University of Wisconsin System and reunited the UW Centers in mission under the name University of Wisconsin Center System. In 1983, the name of the institution became the University of Wisconsin Centers.

UW Centers structure

The physical facilities of the 13 freshman/sophomore campuses were built by and are owned and maintained by local counties and municipalities. Educational programs are provided by the University of Wisconsin System. This unique relationship has created strong campus-community bonds and a pride which gives the UW Centers a special character within the UW System.

The UW Centers campuses enroll approximately 10,000 students, including the largest number of freshmen in the UW System. About one-third of the enrolled students are more than 24 years old, making the nontraditional student an important component of the student body. UW Centers are effective in meeting the needs of adult learners seeking lifelong education near their work and families.

Each UW Center is administered by a campus dean who reports to the chancellor. The student services staff on each campus works closely with the campus dean as a vital part of the campus administrative team. You will become familiar with the student services staff members as they assist you in your academic, career and financial aid planning. Shared governance is organized through campus collegiums, the UW Centers Senate (consisting of faculty, academic staff, and students), and through 17 institution-wide academic departments. Student governance is organized both on a campus basis and institution-wide.

The chancellor is the chief executive officer of the UW Centers and reports to the president of the UW System. Assisting the chancellor in the operation of the UW Centers are the vice chancellor, the associate vice chancellor, the assistant chancellor for administrative services, and their staffs. A central headquarters for the chancellor and the administrative staff is located in Madison.

UW Centers Central Office administrative staff

Grugel, Lee E. (1991)

Chancellor
B.A., The Ohio State University
M.A., The Ohio State University
Ph.D., University of Chicago

Wunsch, Marie A. (1993)

Vice Chancellor for Academic Affairs
B.A., College Misericordia
M.A., Loyola University
M.Ed., University of Hawaii
Ph.D., University of Hawaii

Kucera, Antone F. (1966)

Assistant Chancellor for Administrative Services
B.A., Loras College
M.Ed., DePaul University

Associate Vice Chancellor (to be named)

Anhalt, James A. (1969)

Controller
B.S., University of Wisconsin-Madison

Edlebeck, Daniel J. (1985)

Registrar
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Milwaukee

Foutch-Reynolds, Roberta (1994)

Assistant to the Chancellor for University Relations
B.S., Iowa State University
M.S., University of Nebraska-Omaha

Fredericks, Elizabeth (1995)

Administrative Program Manager/Financial Aid
B.B.A., University of Kentucky-Lexington

Glynn, Kathleen (1990)

External Grants Officer
B.A., Michigan State University
M.A., Case Western Reserve University
Ph.D., University of Wisconsin-Madison

Goering, Steven L. Stein (1992)

Associate Information Processing Consultant/
Network Facilitator
B.A., Bethel College

Grant, Mary (1992)

Continuing Education Coordinator
B.S., DePaul University
M.S., Marquette University

Howard, Judy (1982)

Program Assistant to the Chancellor

Kasten, Andrea (1994)

Administrative Program Manager/Financial Aid
B.B.A., University of Wisconsin-Whitewater

Leske, Brenda Kepler (1992)

Coordinator of Services for Students with Disabilities
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Pfeiffer, Thomas G. (1986)

Director, Financial Aid
B.A., Wesleyan University
M.A., University of Montana

Reigstad, Lyn L. (1979)

Assistant to the Chancellor for Affirmative Action

Roy, Nora A. (1988)

Chief Student Affairs Officer
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
J.D., University of Wisconsin-Madison

Schneider, Thomas H. (1990)

Data Services Manager
B.B.A., University of Wisconsin-Madison
M.B.A., University of Wisconsin-Madison

Schoenfeld, Elizabeth Wright (Buff) (1992)

Assistant to the Chancellor
B.S., University of Wisconsin-Milwaukee
M.A., University of Wisconsin-Madison
J.D., University of Wisconsin-Madison

Sevenich, Jennifer (1994)

Alcohol and Other Drug Abuse Programs
(Fox Valley, Manitowoc, Marathon, Marinette,
Marshfield, Sheboygan)

Wise, Patricia (1990)

Alcohol and Other Drug Abuse Programs
(Baraboo, Fond du Lac, Richland, Rock,
Washington, Waukesha)
B.S., University of Wisconsin-Eau Claire
M.S., St. Cloud State University

Wolover, David (1992)

Associate Information Processing Consultant/
Network Administrator
B.M.E., University of Wisconsin-Eau Claire
M.E.-P.D., University of Wisconsin-La Crosse

Distinctive programs

Educational Opportunities for Adults. The Educational Opportunity Center (EOC) is a resource for prospective adult students, age 19 and older, in western Wisconsin who desire to pursue a postsecondary education. EOC staff provide their clients academic assessment, career development, assistance with selection of academic program and institution, assistance with forms and procedures required for admission and financial aid, time and money management for college, English as a Second Language referrals and information on high school completion programs.

International Student Programs. UWC-Marquette County and UWC-Richland are the sites of international student programs. Since 1988, UWC-Marquette County has hosted five groups of scholarship students from Central America and the Caribbean under the auspices of Georgetown University and funded by the U.S. Agency for International Development.

UWC-Richland currently participates in the Youth for Understanding (YFU) international exchange program, a cooperative program between YFU, headquartered in Washington, D.C. and UWC-Richland.

Students from the YFU program also study English as a Second Language at UWC-Marquette County. They come from a variety of countries in Europe, Asia and South America.

Pathways to Opportunity. This is an Upward Bound Program providing pre-college services to students in the Manitowoc and Sheboygan schools. The Pathways program is a comprehensive effort to motivate students to stay in high school, prepare for college while in high school, and enter college with the academic and social skills necessary to compete successfully with their peers. Services include academic advising, career counseling, tutorial support, participation in cultural/ethnic/social events, college selection and application assistance, financial aid and scholarship application assistance, special assistance for students for whom English is a second language, and an intensive summer academic program. Pathways to Opportunity serves 60 students through the UWC-Manitowoc County and UWC-Sheboygan County campuses and is funded by the U.S. Department of Education's TRIO programs through the Office of Student Support Services.

Postsecondary Re-Entry Education Program (PREP). Headquartered at UW Center-Fond du Lac, PREP provides inmates in Wisconsin state correctional institutions with the UW Centers associate degree program. PREP also emphasizes college skills, computer literacy, and career skills as well as offering workshops, re-entry counseling, and cultural programs. PREP is offered to those incarcerated at Waupun Correctional Institutions who are eligible for admission to the UW Centers.

Project Excel. Located at UWC-Rock County, Project Excel is a pre-college program for ethnic minority students in two Beloit public schools: Aldrich Junior High School and Beloit Memorial Senior High School. The program is designed to motivate and encourage ethnic minority students to remain in school and prepare for postsecondary opportunities. Activities include academic advising, career advising and workshops, college selection and application processes, financial aid workshops, campus visits, and participation in cultural events.

Student Support Services Programs. The student support services programs are located at UWC-Baraboo/Sauk County (at the Federal Correctional Institution, Oxford), UWC-Rock County, and UWC-Waukesha County, and are designed to provide academic support services to disadvantaged students. First-generation college students, low income students, and students with physical disabilities can receive special advising, tutoring, skills improvement classes, and other support services. The primary goals of the Student Support Services Programs are to improve the college skills of eligible students, retraining those students to graduation (associate degree) and transferring them to colleges and universities where they may earn the bachelor's degree. The programs are supported by UW Centers funding in addition to a grant from the U.S. Department of Education as one of the TRIO programs funded by the Office of Student Support Services.

UWC-Baraboo/Sauk County: Oxford College Program. Located onsite at the Oxford Federal Correctional Institution, this program offers the UW Centers associate degree to inmates eligible for admission to the UW Centers. Junior/senior level courses leading to a baccalaureate degree are offered by the UW-Stevens Point.

In addition to credit programming, the campus library and the UW Centers student support services program provide interlibrary loan library resources, intensive academic advising and special assistance in reading, writing, mathematics and study skills.

Women's Studies. Women's Studies courses examine past and present scholarship about women, challenge the traditional disciplines in their conventional disregard or distortion of women's experiences, and raise questions about women's position in society. These courses are interdisciplinary, aimed at developing theories and tools for a more comprehensive study of gender. Women's Studies courses provide preparation for many fields of study; they encourage students to think critically in analyzing the impact of gender in their lives. UW Centers campuses offer several Women's Studies courses which are cross-listed in the English, history, philosophy, political science, sociology/anthropology, and psychology departments. If you are interested in information about Women's Studies offerings, contact the student services office on your campus.

Admission, Tuition and Fees, Financial Aid



tions should provide early notice to staff in the student services office because of the time required for arranging accommodations. Students may also contact the Coordinator of Services for Students with Disabilities in Madison at 608/262-2001 (voice) or 608/265-5766 (TDD/TTY) for information and assistance.

Placement testing

You will be required to take English and mathematics placement tests prior to registering as a freshman. Students whose scores on the English or mathematics placement test fall below institutional cutoffs will be considered high risk students and required to participate in special programming.

The American College Test (ACT) is required of all incoming University of Wisconsin freshmen. The test will be used for academic advising and career planning. The ACT requirement may be waived for older nontraditional applicants. Out-of-state applicants may submit Scholastic Aptitude Test (SAT) scores in place of ACT results.

Admission policy

Anyone who desires a university education will be considered for admission to a University of Wisconsin Center. Prospective students should apply early. Certain applicants who meet the minimum admission requirements (e.g., those who rank in the bottom quarter of their high school graduating class, or hold a certificate of GED) may have their admission deferred to a future term because of enrollment management considerations.

If you are admitted and your high school record, placement test scores, or other previous academic performance indicates that you may have difficulty with university work, you will be required to participate in special programs aimed at remedying these difficulties. This policy is outlined under "High risk and waiting list admissions categories."

Students with disabilities

Qualified students with disabilities (those who have been admitted and can provide documentation of their disability) have the right to request accommodations from the University, as stipulated within Section 504 of the Rehabilitation Act of 1976 and the Americans with Disabilities Act. Students needing accommoda-

Admission requirements

Through Summer 1995

To be admitted to the UW Centers as a new freshman you must:

1. Have graduated from a recognized high school, have a certificate of GED, or present other evidence of ability to begin university work;
2. Have completed 16 college preparatory credits distributed in three categories as follows:
 - a. *Core: 11 credits*
 - English: 4 credits
 - Mathematics: 2 credits
(algebra and courses leading to calculus)
 - Social Science: 3 credits
 - Natural Science: 2 credits
 - b. *Specified electives: 3 credits*
Chosen from the above areas or foreign language
 - c. *Other electives: 2 credits*
Chosen from the above areas or fine arts, computer science, and other academic areas. Those who have earned the certificate of GED are assumed to have met these requirements;

3. Take the American College Test (ACT). The ACT scores must be received by the UW Center Student services office before you will be permitted to register for classes.

If you fail to meet these requirements, you may appeal to the director of student services for an exemption. Particular consideration will be given to applicants on the basis of minority group status, physical or learning disability, U.S. Armed Forces veteran status, age group, incarceration, or economic or educational disadvantage. Applicants who have special needs should contact the campus Student services office.

Fall 1995 and thereafter

To be admitted to the UW Centers as a new freshman you must:

1. Have graduated from a recognized high school, have a certificate of GED, or present other evidence of ability to begin university work.
2. Have a minimum of 17 college preparatory credits. Thirteen of the 17 credits must be distributed as follows:

English: 4 credits

Social Science: 3 credits

Math: 3 credits (must include at least one credit of algebra and the equivalent of one credit of geometry)

Natural Science: 3 credits

The remaining four credits will be from the above areas, foreign languages, fine arts, computer science and other academic areas.

3. Take the American College Test (ACT). The ACT scores must be received by the UW Center Office of Student Services before you will be permitted to register for classes. If you fail to meet these requirements, you may appeal to the Director of Student Services for an exemption. Particular consideration will be given to applicants on the basis of minority group status, physical or learning disability, U.S. Armed Forces veteran status, age group, incarceration, or economic or educational disadvantage. Applicants who have special needs should contact the campus Office of Student Services.

High risk/waiting list admissions categories

You will be required to participate in special programming if you have any of the following characteristics:

1. High school class rank in lowest quartile;
2. GED or GED certificate;
3. High school academic course deficiencies; or
4. Transfer student entering on probation.

In special programming:

1. You will receive mandatory advising prior to registration.
2. At the discretion of your advisor and the UW Center, you may be required to:
 - a. restrict your course load and course selection;
 - b. attend regular meetings with an advisor throughout the semester or session;
 - c. enroll in appropriate basic skills courses and/or tutoring.

You will be required to meet with an advisor prior to each registration until you achieve a cumulative grade point average (GPA) of 2.0 with 12 or more UW Centers credits.

If your scores on the English or mathematics placement tests indicate that you must enroll in remedial course work, UW policy requires that you complete successfully the remedial course(s) before you earn a total of 30 credits. In addition, you may be required to limit the number of credits carried while you are enrolled in remedial courses.

If you do not wish to register under these conditions, you may appeal for an exception to the appropriate committee at the UW Center.



Application

To be considered for admission, you must submit a University of Wisconsin System Application for Undergraduate Admission. You can obtain this application form from your high school guidance office or from a UW Center. The completed form and any required materials should be sent to the UW Centers campus you are interested in attending.

A \$25 fee must accompany the application of prospective freshmen and transfer students from schools outside the University of Wisconsin System. Special students do not pay the application fee unless they become degree candidates or matriculate.

Applications are accepted after September 15 for the following fall or spring semester or summer term.

High school students are encouraged to apply early in their senior year. Early applicants have an advantage in obtaining academic counseling, financial aid and preferred schedule of courses.

Joint Admission

The Joint Admission Program allows you to be admitted simultaneously to a UW Center and the UW institution to which you will transfer as a junior. After fulfilling certain credit and grade point average requirements, you will transfer with the same rights and privileges as those who begin their education at the bachelor's degree campus.

To be eligible for joint admission you must meet freshman admission requirements at both the UW Center and the UW campus to which you will transfer. Applications may be obtained from the student services office at the UW Center, and must be returned to that office no later than the end of the second week of classes during the semester of initial enrollment at a UW Center.

Joint admission is intended to guarantee admission to the bachelor's degree university, not automatic admission to specific programs, majors, or colleges at that university. You must meet the same admissions criteria for admission to majors, programs, and colleges as all other students at that university.

Transfer into a UW Center

If you attended another college before applying for admission to a UW Center, you must complete the UW System Application for Undergraduate Admission form and submit official transcripts from all colleges you attended. If you maintained a C average or higher (2.00 on a 4.00 scale) at your previous college(s), you are likely to be admitted. If you are admitted and had less than a 2.0 semester or cumulative GPA, the UW Centers academic regulations (probation, suspended standards) will be used to determine your probation status.

A transfer student's application is not complete until official transcripts of all prior college work have been received and evaluated. In the event of unavailability of transcripts, other materials, such as grade reports, may be submitted. However, admission based on such data is tentative and may be revoked. Students suspended from another institution will not be admissible to a UW Center until the period of suspension elapses.

If you are admitted as a transfer student with lower than a C average, particularly during your last semester of attendance, you may be asked to meet the conditions outlined for new freshmen ranking in the lower 25 percent of their high school classes.

If you are a transfer student and are applying for financial aid, refer to the financial aid section of the catalog for application procedures. You must send a Financial Aid Transcript form to each institution you previously attended, even if you did not receive financial aid there. This will then be forwarded to the UW Centers Financial Aid Office. The forms are available at any campus financial aid office.

UW/WTCS Uniform Policy Statement on Credit Transfer

Students enrolled in the Wisconsin Technical College System (WTCS) who wish to continue their education in the UW may be eligible to transfer credits toward their associate degree in the following ways:

1. Students enrolled in the college parallel program at Madison Area Technical College, Milwaukee Area Technical College, or Nicolet Area Technical College may be eligible to transfer up to 72 credits.
2. Students who have successfully completed a WTCS Associate of Applied Science Degree may be eligible to transfer up to 15 credits of General Education course work.
3. Students transferring from the WTCS may be eligible for credit by earning appropriate scores on national standardized examinations (e.g. College Level Examination Program) or examinations developed by the UW Centers.

For more information about these transfer opportunities, students should consult with their WTCS advisors or the student services office at a UW Centers campus.

Returning students

If you wish to attend a UW Center and were not enrolled the previous semester (excluding summer session) you must file a University of Wisconsin System Application for Undergraduate Admission and submit official transcripts of any non-UW Centers college work attempted since you were last enrolled at a UW Center. If you were dropped or suspended at the end of your last semester of enrollment at the UW

Center, you must seek permission to re-enter from the student services office.

Re-entry applicants with less than a 2.0 cumulative GPA will be placed on a waiting list and will be reviewed according to the UW Centers academic regulations to determine their acceptance and probation status. Applicants returning after an absence of four or more consecutive semesters must meet the degree requirements of the catalog in effect upon their return, or of a subsequent catalog.

Nontraditional students

The UW Centers encourages adults to apply for admission and work toward a degree, audit courses, or simply take courses for enrichment. The adult enrollment varies from one UW Center to another, but all campuses have adult students in classes.

The Educational Opportunities Center (EOC) is a resource for prospective adult students, age 19 and older, in western Wisconsin who desire to pursue a postsecondary education. Further information may be obtained from the Educational Opportunity Center Program Specialist.

International students

The admission requirements outlined in the catalog do not apply to students who are not residents of the United States. International applicants are admitted on the basis of superior scholastic ability, demonstrated by school records

and certificates, and on their ability to effectively use and understand the English language. International applicants also must provide proof of their ability to pay all expenses while they are students.

All enrolled international students may be required to carry health insurance or show comparable coverage for medical expenses.

Special students

Persons interested in taking certain courses, but not seeking a degree, are classified as "special students." In most cases, the special student admission criteria are more flexible than for degree students. However, special students must meet the academic standards of the University. Special student applicants who have attended institutions other than the UW Centers may be required to submit transcripts and educational records as part of the admission process. In terms of registration, degree seeking students may be given priority over special students because of course demand and/or enrollment limitations. If you are interested in enrolling as a special student, please consult with the campus Student services office about additional requirements prior to application.

High school students. High school students, especially seniors, who wish to enroll in courses before graduation may take the courses for credit or audit. However, they must file the standard UW System Application for Undergraduate Admission and have the recommendation of their high school principals. Students should consult with the office of student services about additional requirements prior to application. Any UW Centers credits and grades earned by high school students are part of their official records and are fully accredited, transferable UW credits.

Matriculating special students. Special students who plan to seek a degree must submit a UW System Application for Undergraduate Admission, the \$25 application fee and official educational records after completing six hours of course work before they will be permitted to enroll in additional UW Centers courses.

Auditors. The UW Centers encourages adults to audit courses. All auditors must have approval of the instructor teaching the course. Approval is usually granted unless admitting auditors increases the classroom space requirements or costs of instruction. Non-degree students enrolling for courses on an audit-only basis generally pay a reduced fee. Wisconsin residents who are disabled and receiving federal old-age survivors and disability insurance benefits (OASDI) may audit courses without charge if this will not result in additional laboratory or instructional costs. For specific information about auditing courses, students should consult the campus timetable for the term in which they wish to enroll.



Resident status for tuition purposes

Regulations determining residency status for University of Wisconsin admission and tuition are in the Wisconsin Statutes. Students are classified as a resident or non-resident when they are admitted to the UW System.

Students who do not qualify as Wisconsin residents must pay non-resident tuition in addition to student fees. Residency regulations for tuition purposes differ from those established for voting or paying taxes.

Minnesota residents may qualify for Minnesota resident tuition by applying to the Minnesota Higher Education Coordinating Board, Suite 400, Capitol Square, 550 Cedar St., St. Paul, MN 55101.

Residents of Menominee County, Michigan, for one year prior to their enrollment date may enroll at UWC-Marquette County as Michigan-Wisconsin compact students. This compact agreement permits students to pay the resident tuition rate at UWC-Marquette County only.

Students who are classified as a non-residents for tuition purposes and believe that classification is incorrect should contact the campus student services office.

Tuition and fees

Academic tuition is set by the UW Board of Regents. Segregated or student fees are recommended by the campus, reviewed by the Chancellor, and approved by the Board of Regents.

For Wisconsin residents, the 1994-95 tuition and fees range from \$843 to \$919 per semester for full-time students who carry 12 through 18 credits; full-time, non-resident student fees range from \$2,835 to \$2,910 per semester. Additional fees will be assessed for students who carry more than 18 credits. Part-time students, defined as those carrying 11 or fewer credits, pay from \$71 to \$77 per credit if they are residents and from \$237 to \$243 per credit if they are non-residents. Because tuition and fees change each year, contact either the UW Center student services office or business office for current information.

All tuition and fees are payable at the time of registration. Students must either pay in full or enter into a formal partial payment agreement. Under special circumstances, a student may be granted a payment deferral to extend the time to pay fees.

Policies for cancellation of registration, withdrawal, late payment fees, refunds, etc., which include financial aspects are itemized in the campus timetable or are available in the campus business office.

Students must officially withdraw through the Office of Student Services office in order to

establish a withdrawal date which will be used to calculate fees due, required repayments of financial aid or refunds. Merely ceasing to attend class does not constitute official withdrawal from the UW Centers. Students who do officially withdraw may be eligible for refunds. The refund schedule is available in the business office.

The UW Centers assess two additional fees:

1. a \$3 per copy charge for transcripts (transcripts are not issued to students with delinquent accounts), and
2. a bad check charge of \$15, plus any additional charges levied by the bank.

To avoid any misunderstandings about the various tuition and fee policies, students should obtain specific information about these from the campus business office prior to registration.

Student financial aid

The UW Centers has a comprehensive student financial aid program which includes all major federal and state aid funds. A central administrative office located in Madison coordinates the financial aid operation for the 13 UW Centers. Analysis of financial need and determination of individual aid awards are made in the Madison office.

In addition, each campus has one or more staff members who serve as financial aid advisors. These advisors, who are located in the student services office on each campus, can assist you in all areas of the financial aid process. This includes help with pre-college financial planning, providing application forms and information, and advice about money management and post-college debt repayment.

Eligibility for aid

To be eligible for financial aid students must meet the following criteria:

1. Be a United States citizen or a permanent resident of the U.S. (International students are not eligible for aid.)
2. Carry at least six credits per semester (or three credits in the summer). Exceptions may be made to this six-credit rule for Pell Grant funding. Contact the campus student services office or the central Financial Aid Office for details.
3. Demonstrate financial need for most types of aid. There are some exceptions to this rule. See the next section on types of aid for more details.
4. Not have defaulted on any educational loan or owe a repayment on any previous federal grant provided you by any postsecondary institution.
5. Maintain satisfactory academic progress as outlined later in this section.

6. Students already having a baccalaureate degree are not eligible for grant funds. However, they may be eligible for loans or the Work-Study program if enrolled in a second degree program.

Types of financial aid

There are three general types of financial aid funds: grants, which require no repayment; loans, which must be repaid; and employment, which pays for time worked on a job. There also are scholarship funds, which are similar to grants, and some miscellaneous benefits that can assist in financing your education. The next sections provide more information on the various types of funds available. Any minimum and maximum award amounts shown below are estimates based on information available at the time of publication.

Grants

Grants are need-based financial assistance which do not have to be repaid (unless you withdraw from school). The amount of a specific grant will depend on the student's financial need, on the availability of funds, and on specific federal, state, and institutional awarding policies.

Federal Pell Grants are the most common source of federal grant funds to undergraduates. The federal government determines a student's eligibility and award amount, which can range from \$200 to \$2,300 per academic year.

Federal Supplemental Educational Opportunity Grants (SEOG) are federal funds awarded to high need students according to institutional and federal guidelines. They can range from \$100 to \$2,000 per academic year, although awards of more than \$1,000 are uncommon due to limited funding.

Wisconsin Higher Education Grants (WHEG) are funds awarded to needy Wisconsin residents according to state eligibility criteria. They can range from \$250 to \$1,450 per academic year.

Indian grants are available to students who are at least 1/4 Native American. Grants are available through both the Federal Bureau of Indian Affairs and the State of Wisconsin and range from \$200 to \$2,200 per academic year.

Talent Incentive Program (TIP) grants are awards for disadvantaged Wisconsin residents based on specific state eligibility criteria and range from \$200 to \$1,800 per academic year.

Wisconsin Handicapped Grants are state awards for Wisconsin residents who have an auditory or visual impairment. These range from \$200 to \$1,800 per academic year.

Minority grants are available through the state for Wisconsin residents who are of African American, Hispanic, Native American or Southeast Asian heritage. These are based on both financial need and academic merit. Awards range from \$200 to \$1,800 per academic year.

Scholarships

Scholarships are gifts from community, private and campus sources. These usually are based on academic merit or some criteria other than financial need. Campus foundations and other organizations provide nearly \$400,000 annually in scholarships for students at the 13 UW Centers. No repayment is required. Contact your high school counselor and your campus student services office for information on available scholarships.

Loans

Loans are awards which must be repaid either while you are still in school or after you graduate or discontinue study. Some loans are based on financial need; others are not. All loans require that a promissory note be signed in which you promise to repay the loan according to the specific provisions of the loan. Except for the Perkins Loan, all other loans include processing fees of four percent to 8 percent, which are deducted from the loan when you receive it.

Federal Perkins Loans are loans made by the UW Centers with funds provided by the federal government. Funding is limited in this low-interest loan program. You must show financial need and be enrolled at least half time to qualify. Interest does not accrue on the loan until you begin repayment nine months after you graduate, leave school, or are enrolled less than half time. The interest rate is five percent. Provisions for deferring or canceling payments are available.

Federal Stafford Loans are federally guaranteed loans available through banks and other lending agencies. You must be enrolled at least half-time to qualify. There are two types of Stafford Loans available. The *subsidized* Stafford Loan is awarded based on financial need. This loan carries an interest-free deferment of payments while you are enrolled at least half time and for six months after you are no longer enrolled at least half time.

The *unsubsidized* Stafford Loan can be awarded even if you do not show financial need. Interest accrues on this loan while you are in school. You can pay the interest while you are a student or have it added to your loan total for increased payments after you finish school.

Dependent freshmen can borrow up to \$2,625 from the Stafford Loan programs. Dependent sophomores can borrow up to \$3,500. These amounts are the totals that can be borrowed from a combination of the subsidized and unsubsidized Stafford Loan programs, (i.e., there are *not* separate totals for each program). Independent students can borrow an additional \$4,000 (of unsubsidized Stafford Loan only) above these amounts. The interest rate for these Stafford Loans varies annually, but cannot exceed 8.25 percent. Contact your campus financial aid advisor for more information.

Federal PLUS Loans (Parents Loans for Undergraduate Students) are variable interest rate loans made to parents of dependent students to help finance their children's education. The interest rate varies annually, but cannot exceed nine percent. These loans are NOT based on financial need.

PLUS Loan proceeds must be applied to the student's educational expenses. Repayment begins within 60 days after the money is disbursed to the parent. The federal government does NOT pay the interest charges. For each child in college, parents may annually borrow up to the cost of education minus other financial aid awarded. The cost of education is determined by the institution's financial aid office (see the section on budgets). For more information, contact the financial aid advisor in the student services office.

Employment

There are many opportunities for students to work, both on- and off-campus, while attending the UW Centers.

Federal Work-Study is a federal program offering employment to students who show financial need. Jobs are usually part time, though full-time work may be available during the summer. Most jobs are on the campus, although some are available in community agencies.

Regular student employment opportunities are also available on campus that do not require a student to show financial need.

Other aid and benefit programs

In addition to the various federal and state financial aid programs described, additional sources of funding can assist students in financing education or related costs.

Veteran's benefits are available to qualified veterans, members of the National Guard or Reserves, and, in some cases, to the sons, daughters, or spouses of deceased or disabled veterans. There are a wide variety of veterans programs available through both the federal Veterans Administration and through the State of Wisconsin. Contact the local Veterans Administration Office or the campus student services office for details.

Aid to Families with Dependent Children (AFDC) is available through the state for individuals who have dependent children and who do not have sufficient income to support their children. Contact the county social services office for additional information.

Vocational Rehabilitation Grants are provided to qualified students by the state Division of Vocational Rehabilitation (DVR). To qualify, a student must have a physical, emotional, or learning disability and meet other criteria established by the DVR. Contact the local DVR office for additional information.

Applying for financial aid

A variety of forms must be completed in order to receive financial aid. All forms must be on file before the UW Centers staff can determine aid eligibility. Appropriate forms are available at the student services office on each campus. The Free Application for Federal Student Aid (FAFSA) and the UW System Application for Undergraduate Admission also are available at high school guidance offices. Listed below are the forms applicants must complete. Other forms also may be required, depending on the circumstances.

1. All students:

- a. Submit a UW Centers Financial Aid Application (FAA) to the campus student services office.
- b. Complete a FAFSA or a Renewal FAFSA. (Only continuing students will receive a Renewal FAFSA.) There is no fee for applying for aid with these forms. Instructions and a pre-addressed mailing envelope are provided with each form.

COMPLETE THE ENTIRE DOCUMENT, INCLUDING THE ASSETS INFORMATION IN SECTION G.

- c. Two to four weeks after filing the FAFSA you will receive a Student Aid Report (SAR) from the U.S. Department of Education. This document is used by college financial aid



offices to determine your eligibility for all forms of federal and state financial aid. Read the information provided on the SAR. You may need to correct information, following the instructions. If no corrections are needed, sign the SAR and submit ALL of the pages to your campus student services office. If you receive a Verification Worksheet with your SAR, complete it as instructed and submit it with your SAR.

- d. There may be other forms required of you by the federal government or the UW Centers central Financial Aid Office. You will be informed by mail of any additional forms or information needed, and you will be told which forms have already been received.

2. New freshmen and re-entry students:

In addition to the above requirements, you must submit a UW System Application for Undergraduate Admission to your campus Student Services Office.

3. Transfer students:

In addition to the requirements shown for all students (#1 above), you also must:

- a. Submit a UW System Application for Undergraduate Admission to your campus Student Services Office.
- b. Request a Financial Aid Transcript (FAT) from each college or school beyond high school that you have attended (other than a UW Center campus). This is required WHETHER OR NOT you received financial aid at your previous school(s) and regardless of whether any of your course work transfers to UW Centers. Blank copies of the FAT form are available at your UW Center campus student services office. Your former school will complete the FAT and send the form to the UW Centers Financial Aid Office.

When to apply for financial aid

Many aid sources are limited. Therefore, students are encouraged to apply early. All application materials should be submitted as soon after January 1 as possible for the academic year beginning the following September. Applicants who have submitted all necessary forms by April 15 may be given funding priority and will be the first to hear about their financial aid eligibility. Summer session aid applicants should be sure to observe the April 15 filing date.

YOU MUST APPLY FOR FINANCIAL AID EACH YEAR. Eligibility does NOT carry over from one academic year to the next. Aid also cannot be transferred from one institution to another.

How awards are calculated

All awards, except PLUS Loans, unsubsidized Stafford Loans, most scholarship funds and some of the benefits programs are made on the basis of financial need. Financial need is defined as the difference between the total cost of an academic year of college and the amount the student and family are expected to contribute toward that cost. The expected contribution is based on the information provided on the need analysis document (the FAFSA).

Standard budgets are developed by the UW Centers central Financial Aid Office to account for all of the various costs associated with an academic year (see Budgets section below). The budgets are uniform to assure a fair and equitable distribution of funds. If there are sufficient funds, the total need-based financial aid awarded will equal the calculated need of the student.

Budgets

The figures below represent estimates of the budgets that will be used by the UW Centers Financial Aid Office for students in academic year 1995-96. At the time this publication was printed, exact figures were not yet determined. Amounts may vary up or down.

1995-96 Budget components	Student living with parents	Student living away from parents
Tuition and fees*	\$1,800	\$1,800
Books and supplies	\$ 475	\$ 475
Rent and utilities	\$ 430	\$2,440
Food	\$1,370	\$1,525
Transportation	\$ 730	\$ 730
Miscellaneous**	\$ 845	\$1,270
Total budget	\$5,650	\$8,240

* 1) Non-resident tuition is substantially higher. Add approximately \$4,250 unless you are covered by a tuition reciprocity agreement with Minnesota or Menominee County, Michigan.

* 2) Tuition is the same at all UW Centers campuses. However, fees will vary from campus to campus. The figure given includes an average amount of fees.

** Miscellaneous includes items such as personal costs, clothing, recreation and minor medical costs.

Sample case:

Four-member family (two parents, two children, both parents working, one child in college)

Total 1994 gross income (before taxes).....\$40,000
Total assets (home equity is not counted).....\$20,000
Estimated expected parents contribution.....\$ 2,420
Estimated expected student contribution.....\$ 1,060

Total expected family contribution.....\$ 3,480

	With parents	Away from parents
Total budget	\$5,650	\$8,240
Less total family contribution - 3,480	<u>3,480</u>	<u>- 3,480</u>
Financial need	\$2,170	\$4,760

Every effort is made to offer financial aid to cover the financial need. Aid awards may be a combination of grants, loans and employment. All awards are likely to include an offer of loan assistance. The higher a student's financial need, the more likely an offer will include grant assistance.

Although a student living away from his or her parents will show more need than if he or she lives with parents, the higher need will generally include a greater loan amount. Therefore, additional educational indebtedness will likely result for those who live away from home.

Satisfactory academic progress for financial aid eligibility

To be eligible to receive federal or state financial aid, a student must meet the credits-earned standards of the UW Centers Financial Aid Office described below. However, to maintain eligibility for continued enrollment in the UW Centers, a student also must meet the grade point standards listed elsewhere in this catalog. Your entire academic record at the UW Centers, including semesters when you did not receive financial aid, will be evaluated to determine your eligibility.

When determining satisfactory academic progress for financial aid eligibility the following conditions and procedures will apply:

1. Your period of eligibility for financial aid is either 108 credits or nine semesters, whichever comes first. This is considered to be 150 percent of the institutional program length. Semesters in which you are enrolled for fewer than six credits will not be counted as semesters of enrollment.
2. Your academic progress will be measured at the end of each even-numbered semester of your attendance. This is true whether you start in the fall or spring semester or if you skip one or more semesters and then re-enter.

3. To remain eligible to receive financial aid you must have earned at least an average of six credits per semester of attendance. For purposes of the credits earned requirement, a successfully completed credit is one in which you earn a grade of D or higher. However, the university academic grade point standards will not be met unless work is performed at a C or higher average. Summer sessions are not counted as semesters of attendance for purposes of these procedures. However, credits earned during summer sessions will be added to your total credits earned when determining academic progress.
4. If you do not earn the minimum number of credits per semester, you will be ineligible for aid. (An exception to this is discussed in #9 below.) Your academic progress will then be measured after every semester. Your eligibility will be reinstated at the point when your average number of credits earned per semester of attendance equals six or more. For example, if at the end of two semesters you have only earned 10 credits, you will lose eligibility to receive aid. If you then earn eight credits in the next semester of your enrollment, you would then have earned 18 credits in three semesters, for an average of six credits per semester. Therefore you would once again be eligible to receive financial aid.
5. Remedial courses approved by a UW Center will count in determining your academic progress.
6. The credits you earn for any course may be counted only once. If you enroll a second or third time in a course that you have already completed successfully, the credits you earn for that course will not be counted in determining your academic progress. However, the credits for repeat courses will be counted in determining your eligibility for financial aid (see #1 above).
7. If you enroll in a course as an auditor, that course will not be counted as either a course attempted or as a course completed. However, if you change your enrollment in a course from credit to audit, that course will be counted as a course attempted and as a course which you did not complete successfully.
8. If you receive a grade of incomplete in a course, the credits will be counted as credits attempted, but will not be counted as credits earned until the incomplete grade is changed to a grade of D or higher.
9. If you lose your financial aid eligibility for failing to meet these requirements, you may appeal the decision to the designated office or committee at your campus. You may be allowed to receive financial aid for one or more additional

semesters if there were mitigating circumstances which caused your unsatisfactory academic progress. (An example of mitigating circumstances may be that you only attempted part-time enrollment during some of your semesters.) The student services office at your campus can tell you more about satisfactory academic progress and the appeals process.

Academic withdrawal

If you receive financial aid and withdraw from a UW Center, you may owe a repayment on the aid you received. Repayments are calculated based upon the number of weeks you were enrolled, and the cost of education figure used to determine your award. You will not owe a repayment on aid attributed to payments of your tuition, books or living costs during the period before you withdrew. However, you will be responsible for repaying any amount received beyond these costs. Students who do not repay will not receive academic transcripts and will not be eligible to receive financial aid at any other institution until repayment has been made.

If you plan to withdraw and have received financial aid, you should discuss repayment with your campus financial aid advisor.

Certification for veterans programs

The UW Centers is fully approved for the certification of educational benefits for veterans and veterans' dependents under both federal and state Veterans Administration programs. Information about veterans benefits may be obtained at your campus student services office or your area Veterans Administration Office.

In compliance with Veterans Administration (VA) regulations, the VA will be notified within 30 days of any change in your enrollment. Monthly VA checks are prorated if the veteran initially enrolls for less than a full-time credit load (11 credits or less). A change in enrollment also may affect the amount of your monthly checks.

Veterans and veterans' dependents are required to meet academic progress standards in order to receive VA benefits.



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.

Registration, Academic Procedures, Regulations

Registration, academic regulations and procedures are subject to change. Your campus Student Services Office can provide specific up-to-date information.

Registration

Registration is the process of enrolling in courses each semester. A student services or faculty advisor will help you select classes to fit your individual course of study.

The schedule of classes and specific information on the time, places and dates of registration are available from your campus student services office.

If you submit a completed registration form, you are registered whether or not you pay fees and tuition or attend classes. Once you are registered, if you want to withdraw, you must complete the withdrawal process explained in this catalog. Failure to withdraw officially and failure to pay your fees will result in your being administratively withdrawn from the UW Center. But administrative withdrawal does not end your obligation to pay your fees. Failure to pay the fees may bar you from registration in the future. The amount of fees owed is determined by the fee policy established by the Regents of the University of Wisconsin System.

Registration hold policy

If you have an outstanding obligation to the UW Centers (e.g., you owe a fine, money, materials or financial aid), a hold may be placed on your educational records. The hold may prohibit you from registering in the future and you will not be able to receive a transcript of your academic record.

Class attendance

Instructors may establish class attendance policies. Such policies will be announced in the course syllabus. You are responsible for completing all work missed when you are absent from class. If you plan to be absent because of field trips or extracurricular activities sponsored by your campus, the faculty member in charge of the activity will provide that information to instructors whose classes you will miss. If you are receiving benefits from the Veterans Administration and/or Social Security Administration,

you are expected to attend all classes. You should consult the student services office for complete information.

Concurrent registration

You may enroll in courses at more than one University of Wisconsin campus. However, in order to do so, you must obtain written permission from your UW Center director of student services.

If you enroll at more than one UW campus, the number of credits you take is combined to determine your status, either full or part time, and your fees and tuition assessment. You must present proof of fees paid and courses and credits being taken. If you are enrolled full time in one institution, no additional fees will be assessed by a second campus. If you are not enrolled full time at the first campus, the second campus will charge a per-credit rate until the full-time tuition rate is reached. The full-time rate will not be less than the lowest, nor more than the highest, full-time rate of the campuses involved. You should consult with the UW Center student services office and business office for information about concurrent registration.

UW-Extension independent study

As a full-time UW Centers student, you may enroll in an independent study course (correspondence course) through UW-Extension if the course is not offered at your UW Center and if the UW-Extension Independent Study catalog indicates the course is offered for university degree credit, or if the course is high school level algebra or geometry. As a full-time student, you may take one UW-Extension course at no extra cost other than fees for text materials bought through UW-Extension and a small registration fee. The fee for the course will be waived if:

- full load tuition fees at a UW Center are paid;
- total credits do not exceed 18 or the maximum allowed by the UW Center; and
- written permission has been obtained from the campus Student Services Office to take the course.

UW-Extension correspondence course fee waiver registrations are accepted only after your semester fees have been paid and no later than the end of the second week of classes. Such registrations are not accepted during summer session. Contact the student services office for an independent study list and appropriate forms.

Late registration

You may register late, observing the same regulations as for adding courses. Late registration is subject to any late registration fine in effect under Regent policy.

Adding courses

A course or courses may be added by completing the appropriate Change of Program card during the first two weeks of a semester, the first week of an eight-week course, or during a proportionate time for shorter courses. The campus may require the signature of the advisor and/or instructor. The form must be received in the student services office by the deadline date published in the campus timetable. The date the completed form is returned to the student services office is the effective date used for official records and billing.

A course may be added after the second week of classes of a semester if the change was necessary because a course has been dropped and a lower level course in the same discipline is substituted. Exceptions to the time limit are made only with the written consent of the instructor.

Dropping courses

A course or courses may be dropped by completing the Change of Program card during the first 10 weeks of a semester-long course, the first five weeks of an eight-week course, or a proportionate time for shorter courses. The campus may require the signature of the advisor and/or instructor. The form must be received in the office of student services by the deadline date published in the campus timetable. The date the completed form is returned to the student services office is the effective date used for official records and billing.

If a course is dropped after the second week of classes, a grade of W will be recorded on the student's official record. The UW Centers may establish procedures for dropping students administratively if the students do not attend one or more of the first class sessions in a semester. The number of class sessions missed before implementation of an administrative drop is at the discretion of the UW Center.

Withdrawal

Withdrawal means terminating registration in all courses for the semester. Non-attendance does not

- a) **Withdrawal Form.** Submitting a completed Withdrawal Form to the student services office. The effective date of withdrawal will be the date this form is received in the student services office.

- b) **Letter.** Directing a dated letter with your signature to the student services office stating your desire to withdraw. The postmark date will be used to determine the effective date of withdrawal. This letter must be postmarked no later than the end of the 10th week of classes.
- c) **Telephone call.** If this option is used, the date of the call will be used as the effective date of withdrawal. The telephone call must be followed by a signed letter of authorization, postmarked within two (2) days of making the call. If the letter is not postmarked within two days of making the call, the postmark date will determine the effective date of withdrawal.

If you are attending a UW Center that rents textbooks, the official withdrawal process includes the return of the texts to the appropriate office.

You must complete the official withdrawal process in one of the three ways no later than the 10th week of classes of any semester, the end of the fifth week of an eight-week summer session, or proportionate time for a shorter session. If you do not withdraw in any of the ways described, you will receive grades in all courses for which you were registered.



Tuition refunds are governed by the UW Board of Regents Fee Refund Schedule, issued annually. The date your withdrawal is completed officially is the date used for calculating tuition refunds.

Any student who withdraws from two consecutive semesters will not be eligible to enroll without seeking readmission. (This does not affect students who enroll for an original credit load of less than six credits in each of two consecutive semesters.) All students should be aware that any semester in which a withdrawal is made may count as a semester of enrollment for financial aid academic progress standards. (See "Satisfactory academic progress for financial aid eligibility" in the Financial Aid section of this catalog.)

If a student can provide evidence that a withdrawal is necessary due to unforeseeable, extenuating circumstances, the student may be allowed an additional semester of financial aid eligibility. A student who believes he or she may have extenuating circumstances should consult the student services office.

Academic credit

Each course is assigned a number of credit hours. Credit is measured in semester hours. A credit of one semester hour usually represents one hour of lecture or two hours of laboratory or studio per week. You should expect to spend two to three hours each week outside of class in preparation and study for each credit.

Student classification

Zero to 29 degree credits equal freshman standing; 30 or more degree credits equal sophomore standing.

Credit load

Freshmen and sophomores may enroll in up to 18 credits during the fall or spring semester. High school special students will be limited to six credits per semester. Credit restrictions also may be imposed on students who are designated as high risk and/or are enrolled in remedial course work. Students are allowed to enroll in a maximum of nine credits during summer session, whether in an eight-week session and/or any combination of shorter sessions. The maximum credit load for a four-week session is four credits. The approval of the student services office or the advisor is required to enroll in more than the maximum number of credits.

Zero credit courses

Some courses are offered for zero degree credit. If you take a zero credit course, a grade will be recorded. You are expected to do all assigned work in the course. Zero credit courses count as one credit for fee purposes.

Pass/fail

You may enroll in courses on a pass/fail basis. This option allows you to take elective courses to explore a field or subject without worrying about the letter grade you earn. Students undecided about a major should not take courses on a pass/fail basis because these courses might later become part of major requirements. Many universities do not permit pass/fail courses to count toward meeting major or general studies requirements. Courses to be applied to the Associate of Arts and Science proficiency and general education requirements may not be taken on a pass/fail basis. Instructors assign final grades of "S" (pass) and "U" (fail) for courses taken on a pass/fail basis. The results of any pass/fail course will not affect your grade point average (GPA).

All students may elect one pass/fail course each semester, including summer session. You may elect two such courses as a freshman and two such courses as a sophomore.

You must decide whether to take a pass/fail course during the time period allowed for adding a course. You may not change a course either to or from pass/fail after the deadline for adding a course.

Instructors in non-degree credit courses listed in the catalog and instructors in lecture forum (LEC) courses in the catalog may grade an entire class on a pass/fail basis. If that is the case, it will be indicated in the campus timetable.

Auditing

You may, with the consent of the instructor, audit a course. As an auditor, you will not take exams nor have any course work evaluated by the instructor. You may not be allowed to audit a course if your presence will result in additional classroom space requirements or in increased instruction costs.

Audited courses carry no degree credit, do not count toward your GPA, and do not count toward full-time attendance for purposes such as certification for Social Security or Veterans Administration benefits.

You may change from audit to credit status during the same period allowed for adding a course, and you may change from credit to audit during the period allowed for dropping a course.

You may take a previously audited course for credit.

Repeating courses

You may repeat courses to improve your grade point average (GPA) or to improve your foundation of knowledge before taking succeeding courses in a discipline. There is no limit to the number of times you may repeat a course, but all attempts and the resulting grades earned will appear on your transcript.

Students should be aware that some institutions will average the grades of all courses attempted when computing a GPA for transfer admission purposes. If you repeat a course to improve your GPA, you must so indicate when registering. In this case, only the most recent credits attempted and the grade earned are used to compute your GPA. Courses you repeated at other schools will not affect your UW Center GPA.

If you do not indicate that a course is a repeat, all credits attempted and grades earned are used to compute your GPA. Ordinarily, courses you repeat will not be counted twice toward the credits necessary to earn your associate degree. For example, if you take HIS 101 twice for three credits each time, you will have earned only three credits toward your degree. Orchestra and chorus are examples of courses you can take for degree credit more than one time.

Consult the student services office if you plan to repeat a course, especially if you are receiving Veterans Administration or Social Security benefits.

English 102 Exemption. Students may be exempted from ENG 102 based on an English Placement Test score of 655 or above and demonstrated competence in the writing of a research paper. Each request for exemption is to be treated individually, and the campus English Department Representative will either review a paper employing documented support, written less than one year before the review, or will assign a relatively short (4-6 pages) paper which utilizes a minimum of four sources. The Department Representative is to inform the campus Student Services Office and the Department Chair of each exemption granted, and the Chair will then inform the Office of the Registrar. The Department Representative is also to inform the Chair of each circumstance in which a request for exemption is denied. If you receive an exemption from English 102 and are planning to transfer to another institution, consult with your prospective institution regarding its composition requirements.

Mathematics 105 Proficiency. Students may satisfy the Associate of Arts & Science MAT 105 Proficiency requirement by successfully completing the Mathematics Proficiency Test. The test is administered by the campus Mathematics Department Associate Chair during the months of September and February. A student may take the test only once during each designated month of testing. The Associate Chair (or designee) will grade the test and report the results to the Student Services Office within three weeks of the test date. The Student Services Office will communicate the results of the test to the student.

Advanced standing credit

If you are classified as a degree-seeking student (freshman or sophomore), you may earn advanced standing credit for specific UW Centers courses. The courses for which this applies are determined by the academic departments and are described in the three sections that follow (Advanced Placement, College Level Examination Program and additional academic department offerings). Advanced standing credits will be recorded on your transcript as such and grades will not be assigned to those courses. Additional information on earning advanced standing credits is available in your campus Office of Student Services.

1. Advanced Placement

The UW Centers accepts for degree credit all successfully completed College Board Advanced Placement Examinations with scores of three, four, or five. Contact your campus student services office for information about the specific UW Centers credit that is awarded for each of the AP exams.

2. College Level Examination Program

If you are classified as a degree-seeking student, you may earn degree credits by taking the College Level Examination Program (CLEP) general examinations. These tests must be taken before you complete your first 16 college credits. Credit may be earned for the CLEP General Examination sections in Humanities, Social Sciences, and/or Natural Sciences. The campus Student Services Office can provide more information about credit possibilities and minimum score requirements. If you earn credit for the Natural Sciences section, the credit will not count toward the associate degree natural science laboratory requirement.

You will not receive credit for the English or math sections of the CLEP general exam. You will not receive credit in any area in which you completed a college course before taking the exam. Any credits earned by taking the CLEP general exam will be recorded as such on your transcript.

3. Additional academic department offerings

- A. Art department:** You may submit portfolios to establish credit in studio-type courses.
- B. Biological Sciences department:** The department does not offer credit through challenge examinations in any courses. Five credits for BIO 109 may be earned with a grade of five, six, or seven on the Higher Level Biology Examination on the International Baccalaureate (IB) Program.
- C. Business department:** You may earn four credits in BUS 201. Contact the campus Business Department faculty for exam and minimum score and requirements.

D. English department: You may earn credit by examination in the following courses:

ENG 102: by earning a minimum score of 50 on the 90-minute multiple-choice objective section of the CLEP Subject Examination in College Composition and by submitting a satisfactory (C or better) 90-minute impromptu essay and a satisfactory documented essay of at least four pages to the local English faculty.

ENG 201: by earning a minimum score of 55 on the 90-minute multiple-choice objective section of the CLEP Subject Examination in College Composition and by submitting a satisfactory (C or better) 90-minute impromptu essay and a satisfactory documented essay of six to eight pages to the local English faculty.

ENG 202: by earning a score of six or seven on the Higher Level International Baccalaureate examination in Language A (English 1B).

ENG 250: there are three ways to receive credit by exam for this course:

- by earning a minimum score of 60 on the 90-minute multiple-choice objective section and by earning a satisfactory grade (C or better) on the 90-minute essay section of the CLEP Subject Examination in Analysis and Interpretation of Literature.
- by scoring at least four on the Advanced Placement College Board Examination in English (composition and literature).
- by earning a score of five, six, or seven on the Higher Level International Baccalaureate examination.

ENG 270: by earning a minimum score of 50 on the 90-minute multiple-choice objective section and by earning a satisfactory grade (C or better) on the 90-minute essay section of the CLEP Subject Examination in English Literature.

ENG 272: by earning a minimum score of 50 on the 90-minute multiple-choice objective section and by earning a satisfactory grade (C or better) on the 90-minute essay section of the CLEP Subject Examination in American Literature.

ENG 280: by earning a minimum score of 50 on the 90-minute multiple-choice objective section and by earning a satisfactory grade (C or better) on the 90-minute essay section of the ACT/Proficiency Examination Program Test in Shakespeare.

E. Foreign Language department. (French, German, Spanish) You may earn credits for the elementary and intermediate courses (101, 105, 201, 205) lower than the first course (including the 107, 204, and 207 two-credit modular courses) you complete at your UW Center if you complete that course with a grade of B or higher. This policy is strictly enforced; a B- is not acceptable. You may not first audit a course and then later take that or a higher level course for credit and receive credit for the lower level course(s). You may earn a maximum of 16 foreign language credits. If you wish to earn credits by this method, contact the appropriate instructor at the beginning of the semester.

You also may earn credits for the elementary and intermediate courses (101, 105, 201, 205) lower than the first pair of two-credit modular courses (106/107, 203/204, 206/207) successfully completed. You must earn a grade of B or better in each course of the modular pair; a grade lower than B in either course is not acceptable.

In addition, you may earn foreign language credit by obtaining a minimum score of 55 on the Level 1 CLEP exam in French, German or Spanish. Before credit is granted, you also must have an interview with a UW Center foreign language faculty member. You may earn a maximum of eight credits for foreign language 101 and 105 courses by CLEP exam.

If you wish to earn credit by examination in other foreign language courses, you must contact the appropriate instructor and a student services advisor.

F. Geography department. You may earn three credits for GEO 110 by earning a score of five, six or seven on the geography examination of the Higher Level International Baccalaureate program.

G. History department. You may earn six credits in Modern History with a score of five, six or seven on the Higher Level International Baccalaureate examination.

H. Mathematics department. You may earn credit for MAT 221 by passing a department exam and then completing MAT 222 with a grade of C or higher. A grade of C- is not acceptable. To earn credit by exam, contact a mathematics instructor.

I. Psychology Department. You may earn three credits for PSY 202 with a minimum score of 57 on the multiple choice portion of the CLEP Subject Examination in General Psychology.

Grading system

Semester grades are recorded by letter only. Each letter grade equals a certain number of grade points per credit. A grade of B in a three-credit subject equals nine grade points as illustrated by the following scale of grades and grade points:

Grade	Grade Points Per Credit
A (excellent)	4.00
A-	3.67
B+	3.33
B (good)	3.00
B-	2.67
C+	2.33
C (average)	2.00
C-	1.67
D+	1.33
D (poor)	1.00
D-	0.67
F (fail)	0.00

The following symbols are used as grades where grade points are not assigned:

- CO** - Audited course completed.
- IA** - Audited course not completed.
- I** - Incomplete
- R** - Repeat. Used in remedial English and math courses, and in English 101 and Mathematics 105, when the student is making progress, but has not mastered the subject and must repeat the course.
- S** - Satisfactory. A passing grade for courses taken on a pass/fail basis.
- U** - Unsatisfactory. A failing grade for courses taken on a pass/fail basis.
- W** - Withdrew. Recorded opposite the course number and title on the academic transcript for any course dropped after the end of the second week of classes and before the deadline for dropping courses. Only a statement of withdrawal will be recorded when students withdraw from an entire program.

The following symbols may appear following the number of credits:

- N** - Course offered for non-degree credit.
- H** - Course taken for honors credit.
- A** - Course audited.

Grade point average (GPA)

The quality of your work is indicated by your grade point average (GPA). The highest possible GPA is 4.0, representing an A grade in each course attempted; the lowest GPA, 0.0, represents an F grade in every course attempted. Your GPA is determined by dividing the total number of grade points earned by the total number of credits attempted.

Both a UW Centers semester and a cumulative GPA are calculated; however, the cumulative GPA is recorded and maintained only for degree-seeking students (i.e. those classified as freshmen and sophomores). Courses in which you received a grade of CO, IA, AU, I, R, S, U, or W are not counted when determining your GPA. If you complete a course in which you originally received a grade of I, the credits and points associated with the new grade will be included in your GPA.

Dean's list

Each UW Centers campus may publish a dean's list to honor students with high GPAs (grade point average). Dean's list honors will be awarded to full-time students carrying at least 12 semester credits used to determine GPAs as detailed below. Dean's list honors will be awarded to part-time students who have earned at least 15 credits with a cumulative average of 3.5 and who carry a minimum of three semester credits used in determining the GPA, and earn a semester GPA as detailed below. Part-time status will be identified on the dean's list. You may request that your name be deleted from the public announcement of the dean's list.

Honors: GPA of 3.50 through 3.74

High Honors: GPA of 3.75 through 3.99

Highest Honors: GPA of 4.00

Incompletes

An Incomplete (I) may be recorded if you carried a passing grade in a class until near the end of the semester and then, because of substantiated cause beyond your control, were unable to take the final exam or complete a limited amount of term work. It is the student's responsibility to request an Incomplete or to consult with the instructor regarding the possibility of receiving an Incomplete.

In addition to submitting an Incomplete, the instructor also will submit a grade to be recorded as a permanent grade in the course if you fail to remove the Incomplete. The tentative grade is recorded by the instructor on the final grade sheet for class along with the grade of I.

You are responsible for consulting with your instructor about the work to be completed. The instructor will file a detailed report of the work to be completed to allow you to finish the course. The

format of the report and the filing place are determined by each UW Center.

You must remove the Incomplete before the end of the next semester. If you and your instructor agree, an exception to the time limit may be made in writing to the student services office. If you do not remove the Incomplete within the time limit, it will be replaced by the tentative grade reported by your instructor on the final grade sheet.

Mid-term and final grades

You will receive mid-term grades, informing you of your progress, usually by the end of the ninth week of the semester.

Final grades must be reported by your instructor within four working days after the final exam. A final grade report will be mailed to you at the end of the semester and/or summer session. Notification of any probationary or suspension action will be on the grade report.

Final examinations

Final examinations must be given at the time designated in the published exam schedule. If you have more than two exams on one day or two exams scheduled at the same time, you must make arrangements at least one week in advance with one of your instructors to take one examination at an alternate time. If informal arrangements cannot be made, the instructor in the class with the lower enrollment shall provide an alternate examination time.

Grade Appeal Policy

The UW Centers Grade Appeal Policy is based on the following principles: (1) the faculty has responsibility for assignment of grades; (2) students should be free from prejudicial or capricious grading; and, (3) no grade may be assigned or changed without departmental faculty authorization. The following steps constitute the procedure to be followed by a UW Centers student wishing to appeal a grade:

1. A grade appeal should normally be initiated within 30 days of receipt of the grade report. Prior to making a formal appeal, the student should check with the instructor to make sure that no clerical error has been made.
2. The student shall submit a written appeal to the instructor detailing the basis on which the student believes the grade ought to have been different. During this first phase of the process, the student and instructor might meet to discuss the bases for the grade, if both are willing to do so. The instructor shall normally respond in writing to the student within 30 days.
3. The student may continue the appeal process by submitting his/her case, including copies of all correspondence to date, to the chair of the appropriate academic department or, in the case of a conflict of interest, to a designee appointed by

the department's Executive Committee. This must be done within 30 days of receiving a written response from the instructor, and the department chair or designee shall acknowledge the appeal in writing with a copy to the instructor.

4. Each department must have a review process and review body to adjudicate grade appeals. The review body should examine available information to determine if any of the following grounds for changing a grade are present: inconsistent treatment, procedural errors, capricious judgments, or use of inappropriate criteria. The review body may request additional information from the instructor and/or may ask to see copies of the student's work. The department shall conclude its review within 60 days. After first securing the endorsement of the Department Chair, the chair of the reviewing body shall inform the instructor and student of the outcome of the review with copies to the Vice Chancellor for Academic Affairs, the Department Chair, the Registrar, the campus Director of Student Services, and the Center Dean. If the review process finds with the student and a change in grade is recommended, the Department Chair or designee shall notify the instructor, discuss the findings and suggest that the instructor change the grade and so notify the student. Should the instructor decline to change the grade, the Chair or designee shall forward the findings to the Vice Chancellor for Academic Affairs who will effect the change. If the review upholds the original grade, the Department Chair or designee, having already endorsed the review body's report, need take no further action.
5. The student may appeal a decision upholding the original grade by requesting that the Vice Chancellor for Academic Affairs review the decision. When the Vice Chancellor for Academic Affairs receives such a request for review, he or she shall examine the record created by the departmental review body, and shall uphold the decision of that body unless he or she finds:
 - (a) The evidence of record does not support the findings and recommendations of the departmental review body;
 - (b) Established procedures were not followed by the departmental review body and material prejudice to the student resulted;
 - (c) The decision was based on factors proscribed by state or federal law regarding equal educational opportunities; or
 - (d) The decision was arbitrary and capricious. Should the Vice Chancellor's review find any of the above, the Vice Chancellor will remand the appeal to the department for action consistent with the finding.

Academic standing

You are expected to maintain certain quality standards of academic achievement in your work at the UW Centers. Quality is measured by both semester and cumulative GPAs.

Certain exceptions are allowed for part-time students but, unless otherwise stated, part-time students are expected to meet the same standards of academic achievement as other students.

- Good standing is the status assigned when your semester and cumulative GPA is 2.0 or higher.
- Probation and final probation are the statuses assigned when your academic progress is inadequate as determined by semester and/or cumulative GPA.
- Academic suspension is the status assigned when your record of achievement is unacceptable to the extent that continued enrollment in the UW Centers is not permitted.

Grade point requirements and actions

Action will be withheld until at least six credits have been attempted in a UW Center. A student admitted to a UW Center on probation or final probation must earn a 2.0 GPA on a minimum of 15 credits attempted in a UW Center in order to attain good standing.

1. When a student is in good standing at the beginning of the semester:
 - 1.5 to 1.999 semester GPA will result in probation.
 - .75 to 1.499 semester GPA will result in a final probation.
 - A semester GPA lower than .75 will result in suspension.
2. When a student is on probation at the beginning of the semester:
 - 1.5 to 1.999 semester GPA will result in final probation status.
 - A semester GPA lower than 1.5 will result in a suspension status.
 - 2.0 or higher semester GPA but less than a 2.0 cumulative GPA will result in continuation of probation.
 - 2.0 or higher semester and cumulative GPA will result in a return to good standing.
3. When a student is on final probation at the beginning of the semester:
 - Lower than 2.0 semester GPA will result in suspension status.
 - 2.0 or higher semester GPA, but less than a 2.0 cumulative GPA, will result in continuation of final probation.
 - 2.0 or higher semester and cumulative GPA will result in a return to good standing.



Probation and suspension

The UW Centers is concerned about students whose academic achievement indicates they are unable to meet the expectations of their instructors or are experiencing other problems which may be interfering with their studies. A probation action is a warning that you should take appropriate action to improve your achievement. You will be suspended when the UW Centers faculty believe your academic achievement record to date indicates a need to interrupt your enrollment to reassess and re-evaluate your goals and plans. If you are placed on probation or suspended, you should give careful consideration to the factors which may be involved, and you should ask assistance from advisors and course instructors.

You are expected to maintain at least a 2.0 GPA on all work carried. If you fail to maintain this minimum GPA in any semester, you may be put on probation, final probation or suspended at the end of the semester.

No probation, final probation or suspension actions will be assessed at the end of a Summer Session. Credits attempted and grade points earned are included in the cumulative GPA and will be used in determining subsequent actions.

Suspension status

The first suspension status results in a suspension from the UW Centers for one semester. A subsequent suspension will result in a suspension from the UW Centers for two semesters. If you are in suspension status and wish to enroll in summer session, you must obtain the permission of the campus dean.

You may appeal a suspension to the appropriate committee at your campus. Any appeal must include a clear explanation of problems causing your inadequate achievement and how you propose to resolve those problems. If you are allowed to continue, you will be on final probation and may be subject to other special conditions.

Appeals

Any academic action may be appealed, except probation or final probation. Exceptions will be determined at each UW Center. Normally the appeal will be heard by the academic actions committee.

Readmission

If you have been out of school for a period of suspension, whether it is one semester or one year, you will not be readmitted automatically. To seek readmission, you must file an Application for Undergraduate Admission and secure permission from the student services office at the campus you wish to attend. If you are readmitted you will be on final probation and will be subject to normal standards of progress and achievement and other special conditions which may be designated.

If you have been out of school for a minimum of three full calendar years, you may be admitted to a UW Center in good standing, regardless of your academic status at the time of departure. For more information, consult the campus student services office.

If you last attended an institution other than a UW Center and were suspended, you must consult with the student services office before applying for admission to a UW Center.

Student guidelines

All students in the University of Wisconsin Centers are governed and/or affected by federal, state and local laws and by UW System and UW Centers policies and procedures.

Such laws, policies and regulations include Chapter UWS 14 Student Academic Disciplinary Procedures, Chapter UWS 17 Student Nonacademic Disciplinary Procedures, Chapter UWS 18 Conduct on University Lands, the federal Drug-Free Workplace Act of 1988, and Wisconsin Statute 36.12 which prohibits discrimination against students. Your right to a positive learning environment is protected by the UW Centers Code of

Conduct, the Consensual Relations Statement and the Sexual Harassment Policy.

Information on these and other laws and policies that affect UW Centers students are contained in the *Information Guide for New Students*, which is distributed to all new students at orientation. This book also contains information on alcohol and other drugs, federal drug trafficking penalties, and sexual assault information and other crime statistics.

Student Disciplinary Procedures (UWS 14 and UWS 17) acknowledge the need to preserve the orderly processes of the UW Centers with regard to its teaching and public service missions, as well as the need to observe every student's procedural and substantive rights. These procedures are included in the *Information Guide for New Students*.

Rights of access to student records

You are entitled to review any records, files, documents, and other materials defined as "education records" that are maintained by the UW Centers and are related directly to you. This is in accordance with the federal Family Educational Rights and Privacy Act of 1974. Your access and review is subject to the following conditions:

1. You must submit the appropriate request form for reviewing your records to the student services office. This form will be placed in your file. The UW Centers has 45 days to comply with your request.
2. You do not have access to certain types of information excluded by the Act: (a) personal notes of UW Centers faculty and staff; (b) employment records; (c) medical and counseling records used solely for treatment; (d) records kept by the person responsible for campus security; (e) financial records of your parents; (f) confidential letters and statements of recommendation placed in your records prior to Jan. 1, 1975; or (g) confidential letters and statements of recommendation for admission, employment, or honorary recognition placed in your records after Jan. 1, 1975, for which you have waived the right to inspect and review.

Education records maintained by the UW Centers include, but are not limited to, the following:

- (1) high school and college transcripts and other educational records submitted by you with your application for admission;
- (2) scores of placement tests and ACT or SAT scores if you requested that a copy be sent to the UW Centers;
- (3) records of registration and grades for each term;
- (4) your requests for re-instatement, special permission to withdraw after deadlines, etc., with confirmation of the action taken in response to the request;

(5) other records except those to which you do not have access as outlined in #2 above.

Education records maintained by the Registrar include your official transcript and grades earned. After reviewing your records, you may challenge any information in your education records you believe to be inaccurate, misleading or inappropriate. This right does not extend to reviewing grades unless the grade assigned by your professor was recorded inaccurately. You also may insert in your record a statement to explain any such material from your point of view. If you wish to challenge information in your file, you must make a written request for a hearing to the UW Center dean.

If your request for a record modification is not granted, you will receive written notification of the reasons and a copy of this notice will be placed in your file. In most cases, the decision of the dean will be final. However, you may file an appeal in writing to the chancellor, who will review the decision only if a significant question of policy or compliance with the law appears to be raised by the case. Your appeal to the dean or to the chancellor must be acted upon within 45 days from the date of the appeal.

You have a right to file a complaint with the U.S. Department of Education concerning alleged failures by the UW Centers to comply with the Family Educational Rights and Privacy Act. In the process of challenging your records, should you wish to have copies of any documents in your file, there will be a charge of \$1 for a copy of each document. This charge does not apply to copies of your transcript. There is a \$3 charge for each official transcript. No transcript copies (official or advising) will be furnished to a student who has a hold on his or her records.

In unusual circumstances, the UW Centers will forward a copy of a student's educational record(s) to an agency or institution that requested the record(s) and in which the student seeks to enroll.

You should be aware that, under the Act, the UW Centers construes the following to be directory information which is available to the public: name, address, telephone number, date of birth, dates of attendance, degrees and awards received, sex, marital status, major field of study (including current classification, year-in-school, credit load, and number of credits earned toward a degree), participation in officially recognized activities and sports, weight and height of members of athletic teams, most recent previous educational agency or institution attended, and parent/spouse/guardian name and address. Also, the UW Centers may use a portion of your student identification number to post mid-term and final grades. No other information will be released to a third party, except as provided by law, without your prior consent. In addition, you have the right to inform the UW Centers that the above information cannot be released without your prior consent. If you choose to have directory information restricted, you should file the appropriate request form in the student services office.

Each UW Centers campus may publish a Dean's List to honor students with high grade point averages. You may request that your name be deleted from the public announcement of the Dean's List.

No information from your education record will be released to a third party, except as provided by law, without a signed release from you. In limited instances, the UW Centers may disclose personally identifiable information to UW Centers officials who are determined to have a legitimate educational interest in the information. Such disclosures must be approved by the Registrar. Only those requests made by appropriate faculty and staff which further the educational interests of the student and the institution will be approved. If a judicial order for your education record is issued, you will be sent a notification prior to the release of the information.



Transfer from a UW Center

To continue your study beyond the sophomore year, you must transfer to a university or college which grants the bachelor's degree.

Planning for transfer

The UW Centers encourages you to make transfer decisions early and to carefully research admissions, general education and specific major requirements. Important resources to consult include the Centers' Student Services Office, the University of Wisconsin System's computerized Transfer Information System (TIS), which is available on all campuses and the catalogs and advisors of the intended transfer institution.

Consult the Student Services Office as early as possible for advice regarding transfer admission requirements and procedures. Subject to the limitations of enrollment management, UW System will give preference in admission to qualified students transferring from the UW Centers.

The UW Centers is fully accredited by the North Central Association of Colleges and Universities. Therefore, credits earned in the Centers will be accepted by other colleges and universities in Wisconsin and throughout the country. However, students need to plan carefully to assure that they select the courses which will not only transfer for credit but which will also fulfill the specific requirements that they intend. The UW Centers Associate of Arts and Science degree is generally accepted by University of Wisconsin institutions as fulfilling the university-wide, college, and school general education breadth requirements. However, the degree may not fulfill certain proficiency, major and/or program-specific requirements.

Most colleges and universities limit the number of credits which can be transferred from a freshman/sophomore school and applied toward a bachelor's degree. A maximum of 72 credits can be transferred from a UW Centers campus to a UW bachelor's degree program. The UW Centers considers 72 credits to be its program length for purposes of its Financial Aid Office Satisfactory Academic Progress Policy. (See earlier section of this catalog page 9.) Before you have earned half the credits necessary to complete a bachelor's degree, you should consult an advisor about the total number of credits you can transfer to the

university of your choice. If you plan to transfer, you will need the following information about admission, housing, and financial aid.

Admission: You must apply for admission to the university or college and provide official transcripts of all high school and postsecondary course work (such as work from a UW Center) you have attempted. At some schools, the particular department or program in which you wish to enroll may require a separate application or you may be required to meet separate entrance requirements. Contact your campus student services office and the transfer university for information on specific application procedures, deadlines, and entrance requirements.

Housing: Arrangements for housing at a university campus are handled in various ways. Usually you are required to file a separate application for housing or you must make your own arrangements for private housing. Housing arrangements should be considered early in your transfer process.

Financial aid: If you wish to receive financial aid at your transfer university, indicate this on the admission application, request information about application procedures and any separate application form the university may use. Ask the Centers Financial Aid Office and the financial aid offices of any other colleges you've attended to send a financial aid transcript (FAT) to your transfer institution. (This is different from the academic transcript required for admission). Forms to request a FAT are available in the Student Services Office. There is no charge for the FAT.

Transfer problems: If you encounter transfer credit problems or other transfer related problems, consult your campus student services office. If you have specific questions about other University of Wisconsin System institutions, contact the admissions office on the specific campus or call the toll-free UW HELP number: 1-800/442-6459.

Transcript request: If you want your official UW Centers transcript sent to another institution, or if you want a copy for yourself, the request must be submitted in writing (telephone requests are not accepted). Request forms are available from the campus student services office or you may send a letter of request to UW Centers Office of the Registrar, 780 Regent St., P.O. Box 8680, Madison, WI 53708-8680. There is a \$3 charge for each transcript. Transcripts will not be furnished for a student who has an outstanding obligation to the UW Centers (e.g., owes a fine, money, materials, or financial aid). The UW Centers does not issue copies of official transcripts or documents that it has received from other institutions.

Degree Requirements

The Associate of arts and science degree is a foundation for many majors in the UW System.

The University of Wisconsin Centers offers the Associate of Arts and Science degree. There are no provisions for you to receive more than one associate degree.

Associate of Arts and Science Degree **Degree requirements**

1. A minimum of 60 credits is required.
2. The UW Centers general education requirements must be fulfilled.
3. At least 24 of the 60 credits must be completed within the UW Centers, or at least 12 of the last 24 credits must be earned within the UW Centers.
4. A student must have a cumulative grade point average (GPA) of 2.0 earned at the UW Center and 2.0 overall GPA in the credits applied to the Associate of Arts and Science degree.
5. Students must be enrolled at a UW Center during the semester in which the degree requirements are completed or have earned 60 degree credits prior to transferring from a UW Center to a baccalaureate degree granting institution.

General education requirements

I. Proficiency requirements

Grade of C or better in or exemption from the following:

WRITING - ENG 102

MATHEMATICS - MAT 105

These courses and their prerequisites may not be used to satisfy a breadth or specific requirement. (See "Exemptions from ENG 102" and "MAT 105 Proficiency Test".)

II. Breadth categories

A student may not count any course in more than one breadth category. A student must earn a minimum of 40 credits from the following areas:

Humanities and Fine Arts

A student must earn a minimum of nine credits with at least one course designated as finearts. No more than six credits in the fine arts and a total 15 credits in the humanities and fine arts may be applied to the breadth requirement of 40 credits. (Note: A student who satisfies the minimum humanities breadth requirement with history may not satisfy the minimal social sciences breadth requirement with history.)

Natural and Mathematical Sciences

A student must earn a minimum of 12 credits in this category. Included in this must be a minimum of eight credits in at least two disciplines (see "Disciplines") of natural sciences (including one laboratory science with an emphasis on scientific methodology) or a 10 credit laboratory science sequence in which at least one course has an emphasis on scientific methodology, and a minimum of three credits of mathematical sciences. No more than 16 credits in this category can be applied to the breadth requirement of 40 credits.

Social Sciences

A student must earn a minimum of nine credits with courses in at least two disciplines (see "Disciplines"). No more than 15 credits in this category may be applied to the breadth requirement of 40 credits. (Note: A student who satisfies the minimal social sciences breadth requirement with history may not satisfy the minimal humanities breadth requirement with history.)

Integrated studies

No more than six credits in this category may be applied to the breadth requirement of 40 credits.

III. Specific requirements

The following specific requirements must be met within the areas of distribution outlined in II above:

A. Content emphasis (a course may be used to fulfill only one content emphasis)

1. One course with an historical perspective
2. One course with a cross-cultural perspective or a focus on cultural differences and alternatives
3. One course using primary sources

B. One two-semester sequence of courses

IV. Additional requirements

A. Minority/ethnic studies - three credits

B. Two courses with a writing and/or speaking emphasis, at least one of which must be writing emphasis. ENG 101 and ENG 102 will not satisfy this requirement.

Exemption from ENG 102

Students may be exempted from ENG 102 based on an English Placement Test score of 655 or above and demonstrated competence in the writing of a research paper. Each request for exemption is to be treated individually, and the campus English Department Representative will either review a paper employing documented support, written less than one year before the review, or will assign a relatively short (4-6 pages) paper which utilizes a minimum of four sources. The Department Representative is to inform the campus Student Services Office and the Department Chair of each exemption granted, and the Chair will then inform the Office of the Registrar. The Department Representative is also to inform the Chair of each circumstance in which a request for exemption is denied.

MAT 105 Proficiency Test

Students may satisfy the Associate of Arts and Science MAT 105 Proficiency requirement by successfully completing the Mathematics Proficiency Test. The test is administered by the campus Mathematics Department Associate Chair during the months of September and February. A student may take the test only once during each designated month of testing. The Associate Chair (or designee) will grade the test and report the results to the Student Services Office within three weeks of the test date. The Student Services Office will communicate the results of the test to the student.

Disciplines:

Anthropology

Art

Biological Sciences (see note below)

Business

Chemistry

Communication Arts

Computer Science

Economics

Education

Engineering

English

Foreign Languages

Geography/Geology

History

Mathematics

Music

Philosophy

Physics/Astronomy

Political Science

Psychology

Sociology

Women's Studies

note: The Biological Sciences discipline includes the departments of Bacteriology, Biology, Botany, Forestry, Natural Resources, Physiology, Wildlife, and Zoology.



Course Descriptions

Although no single UW Center offers every course, each campus offers the essential freshman/sophomore curriculum to prepare you for transfer to a bachelor's degree program with a major in almost any field you choose. Check your campus timetable to learn which courses are offered at your UW Center.

Departmental abbreviations

Course listings are in alphabetical order by departmental name.

ANT	Anthropology
ART	Art
AST	Astronomy
BAC	Bacteriology
BIO	Biology
BOT	Botany
BUS	Business
CHE	Chemistry
COM	Communication Arts
CPS	Computer Science
ECO	Economics
EDU	Education
EGR	Engineering
GRA	Engineering Graphics
MEC	Engineering Mechanics
ENG	English
FOR	Forestry
FRE	French
GEO	Geography
GLG	Geology
GER	German
HIS	History
INT	Interdisciplinary Studies
LEA	Learning Resource
LEC	Lecture Forum
MAT	Mathematics
MLG	Meteorology
MUS	Music
MUA	Music, Applied
NAT	Natural Resources
PED	Physical Education and Athletics
PHI	Philosophy
PHY	Physics
PHS	Physiology
POL	Political Science
PSY	Psychology
SOC	Sociology
SPA	Spanish
WIL	Wildlife
WOM	Women's Studies
ZOO	Zoology

Abbreviations for Associate Degree designations:

CC	Cross-cultural Perspective, Cultural Differences and Alternatives
EL	Elective
ES	Ethnic Studies (also may be designated in timetables)
HFA	Humanities and Fine Arts Breadth Category
FA	Fine Arts
HP	Historical Perspective
ST	Integrated Studies Breadth Category
NMS	Natural and Mathematical Sciences Breadth Category
NS	Natural Sciences
MS	Mathematical Sciences
LS	Laboratory Sciences
PR	Proficiency Requirement
PT	Primary Sources/Texts
SE	Speaking Emphasis (also may be designated in timetables)
SS	Social Sciences Breadth Category
SQ	Two-Semester Sequence of Courses
WE	Writing Emphasis (designated in timetables only)

Prereq: Prerequisite

Cons. instr.: Consent of Instructor

* Asterisk indicates a special topics course or an independent study which will be assigned an associate degree designation at the time it is offered. Check the campus timetable.

Distance Education Courses

Courses offered by another UW campus may be available via distance education technology at the UW Center where you are enrolled. For information related to distance education courses, contact your Campus Office of Student Services.

ANTHROPOLOGY

General

ANT 100 General Anthropology. 3-4 cr. General understanding of humans in relation to cultures, evolutionary development and racial diversity, capacities for society and the development of the world's major cultures. *SS/HP/CC/SQ (102) (105) (200).*

ANT 291 Topics in Anthropology. 2-4 cr. A specific topic in an instructor's area of special competence. When offered, the particular topic is indicated in the campus timetable. Prereq: ANT 100, ANT 102, ANT 105 or cons. instr. *

ANT 299 Independent Reading and Research in Anthropology. 1-4 cr. Prereq: ANT 100, ANT 102, ANT 105 or cons. instr.

Biological

ANT 105 Introduction to Physical Anthropology. 3-4 cr. The biological basis of human evolution and human variation; the place of humans in the order of primates; consideration and interpretation of the fossil evidence for human evolution. *NMS/NS/CC/SQ (100) (if 4 cr. also LS).*

ANT 303 The Human Skeleton. 3 cr. Individual bones and teeth; sex, age and racial variation; stature reconstruction; continuous and discontinuous morphological variations; forensic aspects of individual identification; lab training in observations, measurement and analysis; lecture and lab. Prereq: cons. instr. *NMS/NS/LS.*

Prehistorical

ANT 102 Archaeology and the Prehistoric World. 3 cr. Introduction to the prehistoric world from origins of human culture to the beginnings of written history as revealed by archaeological research at great sites and ruins around the globe. Archaeological analysis of famous prehistoric sites as case studies to illustrate concepts and techniques used by archaeologists in their efforts to understand the rise, florescence and demise of vanished societies. *SS/HP/CC/SQ (100).*



ANT 222 Emergence of Human Culture. 3 cr. Worldwide archaeological evidence for the development of human culture and behavior from the earliest appearance of human groups to the agricultural revolution. Archaeological methods and theory covered extensively to introduce humanity's first two million years. Prereq: sophomore standing or cons. instr. *SS/HP/CC.*

ANT 302 Archaeology of Wisconsin. 3-4 cr. Survey of Wisconsin archaeology from the earliest occupation of the state through the historic period and subsequent tribal breakdown. Emphasis is on ecological and historical factors influencing development of prehistoric and historic aboriginal culture of Wisconsin. Prereq: ANT 100, ANT 105, ANT 200 or cons. instr. *SS/HP/CC.*

ANT 308 Archaeology of North America. 3-4 cr. Main pre-Columbian cultures and evidences of ancients north of Mexico. Prereq: ANT 222 or cons. instr. *SS/HP/CC.*

ANT 322 The Origins of Civilization. 3-4 cr. Global archaeological survey of the origins of pristine civilizations beginning with the development of food production and ending with the emergence of the world's first civilizations. Focus of attention: Near East, Egypt, the Indus Valley, North China, Mesoamerica and Peru. Prereq: ANT 222 or cons. instr. *SS/HP/CC.*

Linguistic

ANT 301 Introduction to Linguistics: Descriptive and Theoretical. 3-4 cr. Elementary theory and practical work in phonetics, phonology, morphology, syntax, formal grammar and semantics. *EL.*

Cultural: Topical and Area

ANT 200 Cultural Anthropology. 3 cr. Variations of human cultures and the comparative study of human institutions. *SS/HP/CC/SQ(SOC 101) (ANT 100) (ANT 314).*

ANT 204 Cultures of the World. 3 cr. Ethnographic survey of the world's peoples and their cultures. Major regions of the world considered in an attempt to outline the variety, richness, significance and persistence of cultural traditions. *SS/HP/CC.*

ANT 250 Women in Cross-Cultural Perspective. 3 cr. (Same as WOM 250.) Study of women in a variety of cultures around the world, both past and present. Includes consideration of the sexual division of labor, marriage systems, child rearing, relationships between men and women, systems of myth and ideology concerning women's roles and the effects of socio-economic development and rapid social change. *SS/HP/CC.*

ANT 300 Human Sexuality: an Anthropological Perspective. 3 cr. An anthropological examination of the biological, psychological, sociological and cultural bases of human sexual behavior as a means of providing students with up-to-date empirical information concerning human sexuality. *SS.*

ANT 314 Indians of North America. 3 cr. Description and analysis of native cultures and the role of environmental and historical factors in North America. Prereq: a previous anthropology course or cons. instr. *SS/HP/CC/ES/SQ (200).*

ANT 325 Peoples and Cultures of East Asia. 3-4 cr. Description and analysis of eastern Asian cultures: the great civilizations, the non-literate societies and the problems of contemporary cultural change. Prereq: ANT 100, ANT 200 or cons. instr. *SS/HP/CC*.

ANT 341 Technological Change and Culture Patterns. 4 cr. Methods in application of anthropology and analysis of contemporary cases relating to human problems resulting from technical change. Prereq: ANT 100, ANT 105, ANT 200 or cons. instr. *SS*.

ANT 343 Anthropology of Religion. 3-4 cr. Anthropological approaches to selected religious systems, including geographic and topical comparisons, critical considerations of outstanding contributions and a view of religion as an ethnographic problem. Prereq: ANT 100, ANT 200 or cons. instr. *SS/CC*.

ANT 350 Illness and Healing in Anthropological Perspective: Introduction to Medical Anthropology. 3 cr. The interrelationships between ecology, culture, society, disease and medicine from the beginning of humankind to the present. Includes the study of paleopathology (the analysis of disease found in the fossil record); how health, illness and disease are defined in a variety of societies; and how people construct cultural systems to cope with stress and illness. *SS/CC*.

ANT 351 Outer Space and Futures Research. 3-4 cr. A survey of present and projected uses of outer space with special emphasis on bio-cultural adaptations in extreme environments, both on earth and in space. *EL*.

ANT 353 Indians of the Western Great Lakes. 3-4 cr. Analysis of Indian cultures in the area around the western Great Lakes, with emphasis on traditional cultures of the Indians in Wisconsin. Prereq: ANT 100, ANT 102, ANT 105 or cons. instr. *SS/HP/CC/ES*.

ART

ART 100 Art Introduction. 3 cr. Fundamental principles of two and three dimensional design: projects for the non-art major. Lecture-lab. Not recommended for students planning to major in art. *EL*.

ART 101 Introduction to Drawing. 3 cr. Principles of creative and structural drawing; an investigation of methods and materials. Lecture-lab. *EL*.

ART 102 Intermediate Drawing. 3 cr. Continuation of ART 101. Lecture-lab. *EL*.

ART 103 Drawing II. 3 cr. Advanced drawing problems of expression and form. Lecture-lab. Prereq: ART 102. *EL*.

ART 104 Introduction to Drawing-Module A. 1 cr. Principles of creative and structural drawing, an investigation of methods and materials. Lecture-lab. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 105 is equivalent to ART 101.) *EL*.

ART 105 Introduction to Drawing-Module B. 2 cr. Continuation of ART 104. Lecture-lab. Prereq: ART 104. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 104 is equivalent to ART 101.) *EL*.

ART 106 Intermediate Drawing-Module A. 1 cr. Continuation of ART 101 or ART 105. Lecture-lab. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 107 is equivalent to ART 102.) *EL*.

ART 107 Intermediate Drawing-Module B. 2 cr. Continuation of ART 106. Lecture-lab. Prereq: ART 106. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 106 is equivalent to ART 102.) *EL*.

ART 108 Drawing II-Module A. 1 cr. Advanced drawing problems of expression and form. Lecture-lab. Prereq: ART 102 or ART 107. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 109 is equivalent to ART 103.) *EL*.

ART 109 Drawing II-Module B. 2 cr. Continuation of ART 108. Lecture-lab. Prereq: ART 108. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 108 is equivalent to ART 103.) *EL*.

ART 111 Two-Dimensional Design. 3 cr. Basic elements of design; arrangement of line, value, color, texture. Lecture-lab. *EL*.

ART 112 Three-Dimensional Design. 3 cr. Basic elements of design; the use of volume and spatial arrangement. Lecture-lab. *EL*.

ART 113 Layout and Lettering. 3 cr. Letter form and typographic design applied to various modes of visual communication. Lecture-lab. *EL*.

ART 114 Three-Dimensional Design-Module A. 1 cr. Basic elements of design; the use of volume and spatial arrangement. Lecture-lab. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 115 is equivalent to ART 112.) *EL*.

ART 115 Three-Dimensional Design-Module B. 2 cr. Continuation of ART 114. Lecture-lab. Prereq: ART 114. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 114 is equivalent to ART 112.) *EL*.

ART 121 Introduction to Painting. 3 cr. Basic experience in various media—may include oil, watercolor, acrylic media: a survey of studio methods. Lecture-lab. Prereq: ART 101, ART 111 or cons. instr. *EL*.

ART 122 Watercolor. 3 cr. Exploration of aqueous media; aspects of traditional and contemporary procedures. Lecture-lab. Prereq: ART 101, ART 111, ART 121 or cons. instr. *EL*.

ART 125 Oil Painting. 3 cr. Exploration of oil media; aspects of traditional and contemporary procedures. Lecture-lab. Prereq: ART 101, ART 111, ART 121 or cons. instr. *EL*.

ART 131 Introduction to Sculpture. 3 cr. Basic experience in three-dimensional media. A survey of materials and procedures used in sculptural processes. Lecture-lab. Prereq: ART 112 or cons. instr. *EL*.

ART 133 Introduction to Sculpture-Module A. 1 cr. Basic experience in three-dimensional media. A survey of materials and procedures used in sculptural processes. Lecture-lab. Prereq: ART 112 or ART 115 or cons. instr. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 134 is equivalent to ART 131.) *EL*.

ART 134 Introduction to Sculpture-Module B. 2 cr. Continuation of ART 133. Lecture-lab. Prereq: ART 133. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 133 is equivalent to ART 131.) *EL*.

ART 141 Introduction to Printmaking. 3 cr. Exploration of the graphic media. May include relief, intaglio, serigraphy, lithography. Lecture-lab. Prereq: ART 101, ART 111 or cons. instr. *EL*.

ART 154 Introduction to Ceramics. 3 cr. Exploration of materials and processes; hand and wheel forming; glazing, firing and kiln management. Lecture-lab. Prereq: ART 101, ART 112 recommended. *EL*.

ART 161 Introduction to Photography. 3 cr. Black and white still photography: the camera, the negative, the print. Lecture-lab. Prereq: ART 111 recommended. *EL*.

ART 170 Introduction to Crafts. 3 cr. Basic experience in craft media. May include weaving, leather, metal; a summary of applied processes. Lecture-lab. Prereq: ART 101, ART 112 or cons. instr. *EL*.

ART 172 Introduction to Metals. 3 cr. May include copper, silver, bronze, pewter, gold; emphasis upon studio methods and procedure. Lecture-lab. Prereq: ART 170 or cons. instr. *EL*.

ART 180 The Artist and Visual Arts. 3 cr. Cultural history as it is discerned through the investigation of the artist and the work of art. Lecture. *HFA/FA/HP*.

ART 181 Survey: Ancient and Medieval Art. 3 cr. Art and architecture from the old stone age to the Gothic era. Field trip. Lecture. *HFA/FA/HP/SQ(183)*.

ART 183 Survey: Renaissance to Modern Art. 3 cr. Architecture, sculpture, painting and decorative arts from the late middle ages to the modern era. Field trip. Lecture. *HFA/FA/HP/SQ(181)*.

ART 185 Survey: Renaissance Art. 3 cr. Renaissance art and architecture in Italy and northern Europe. Field trip. Lecture. *HFA/FA/HP*.

ART 187 Survey: Modern Art. 3 cr. Painting, sculpture, printmaking and drawing of the modern era. Field trip. Lecture. *HFA/FA/HP/SQ(188)*.

ART 188 Survey: Modern Architecture and Design. 3 cr. Architecture, landscape architecture, city planning, interior and industrial design of the modern era. Field trip. Lecture. *HFA/FA/HP/SQ(187)*.

ART 201 Introduction to Life Drawing. 3 cr. Anatomical and compositional considerations related to drawing from the human figure. Lecture-lab. Prereq: ART 102. *EL*.

ART 202 Intermediate Life Drawing. 3 cr. Continuation of ART 201. Lecture-lab. Prereq: ART 201. *EL*.

ART 209 Intermediate Life Drawing-Module A. 1 cr. Continuation of ART 201. Lecture-lab. Prereq: ART 201. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 210 is equivalent to ART 202.) *EL*.

ART 210 Intermediate Life Drawing-Module B. 2 cr. Continuation of ART 209. Lecture-lab. Prereq: ART 209. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 209 is equivalent to ART 202.) *EL*.

ART 222 Intermediate Watercolor. 3 cr. Continuation of ART 122 with emphasis upon individual development. Lecture-lab. Prereq: ART 122. *EL*.

ART 225 Intermediate Oil Painting. 3 cr. Continuation of ART 125 with emphasis upon individual development. Lecture-lab. Prereq: ART 125. *EL*.

ART 231 Intermediate Sculpture. 3 cr. Continuation of ART 131 with emphasis upon technical problems related to individual projects. Lecture-lab. Prereq: ART 131. *EL*.

ART 232 Sculpture II. 3 cr. Advanced work in sculptural expression; traditional and contemporary methods of production. Lecture-lab. Prereq: ART 231. *EL*.

ART 235 Intermediate Sculpture-Module A. 1 cr. Continuation of ART 131 with emphasis upon technical problems related to individual projects. Lecture-lab. Prereq: ART 131. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 236 is equivalent to ART 231.) *EL*.

ART 236 Intermediate Sculpture-Module B. 2 cr. Continuation of ART 235. Lecture-lab. Prereq: ART 235. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 235 is equivalent to ART 231.) *EL*.

ART 237 Sculpture II-Module A. 1 cr. Advanced work in sculptural expression; traditional and contemporary methods of production. Lecture-lab. Prereq: ART 231 or ART 236. (This is the first module of a course that is offered during two consecutive semesters. This course in combination with ART 238 is equivalent to ART 232.) *EL*.

ART 238 Sculpture II-Module B. 2 cr. Continuation of ART 237. Lecture-lab. Prereq: ART 237. (This is the second module of a course that is offered during two consecutive semesters. This course in combination with ART 237 is equivalent to ART 232.) *EL*.

ART 241 Lithography. 3 cr. Planographic printing; use of stone and metal plates, with exploration of various offset media. Lecture-lab. Prereq: ART 141 or cons. instr. *EL*.

ART 243 Intaglio. 3 cr. Incised printing; engraving, etching and other processes used with the intaglio press. Lecture-lab. Prereq: ART 141 or cons. instr. *EL*.

ART 245 Serigraphy. 3 cr. Methods and techniques. May include problems in color registration photo processes; other stencil applications. Lecture-lab. Prereq: ART 141 or cons. instr. *EL*.

ART 247 Relief Printing. 3 cr. Woodcut and line cut processes; a survey of problems related to color registration and production. Lecture-lab. Prereq: ART 141 or cons. instr. *EL*.

ART 254 Intermediate Ceramics. 3 cr. Continuation of ART 154. Further development of craftsmanship with emphasis upon individual projects. Lecture-lab. Prereq: ART 154. *EL.*

ART 255 Ceramics II. 3 cr. Advanced work in ceramic processes. May include construction and use of molds, slip casting; production technology. Lecture-lab. Prereq: ART 154. *EL.*

ART 261 Intermediate Photography. 3 cr. Continuation of ART 161 with emphasis on individual development. Lecture-lab. Prereq: ART 161. *EL.*

ART 272 Intermediate Metals. 3 cr. Continuation of ART 172. Further development of craftsmanship with emphasis upon individual projects. Lecture-lab. Prereq: ART 172. *EL.*

ART 291 Special Topics. 1-3 cr. Prereq: cons. instr. *

ART 299 Independent Study. 1-3 cr. Prereq: cons. instr. *



ASTRONOMY

AST 100 Survey of Astronomy. 3-4 cr. Descriptive survey of astronomy for students with minimal background in mathematics and science; the solar system, stars, nebulae, galaxies, cosmology, astronomical methods. May be offered for three credits without laboratory work or for four credits with laboratory work consisting of telescopic observation, laboratory demonstration and astronomy exercises. Normally not open to students who have had the prerequisite for AST 200. Prereq: high school algebra and geometry or cons. instr. *NMS/NS(if 4 cr. also LS).*

AST 101 Observational Astronomy. 1 cr. Observation of solar system, galactic and extra-galactic objects and introduction to basic observational techniques in astronomy. Includes telescopic and unaided eye observation, positional astronomy, astro-photography, optic spectroscopy, interpretation of astronomical data and astronomy laboratory exercises. Students who have AST 200 or AST 100 for 4 credits or equivalent courses, are not eligible for this course. Prereq: one year of high school algebra and one year of high school geometry or one semester of college algebra. If the prerequisite math course was taken more than five years ago, cons. instr. required. *NMS/NS taken concurrently with AST 100, LS.*

AST 200 General Astronomy. 4 cr. Survey of astronomy for students who have some background in mathematics and physics; the solar system, stars, nebulae, galaxies, cosmology, astronomical methods. Telescopic observation, laboratory demonstration and astronomy exercises; three hours lecture, two hours lab-discussion per week. Not open to students who have taken AST 100. Prereq: PHY 141, PHY 201 or equivalent. *NMS/NS/LS.*

AST 291 Topics in Astronomy. 1-3 cr. An extended coverage of one or more topics in astronomy such as extra-terrestrial life, archaeoastronomy, cosmology, astrophysics, radio astronomy, stellar structure, dynamical astronomy, galactic structure and observational astronomy. Prereq: cons. instr. *

BACTERIOLOGY

BAC 101 General Survey of Microbiology. 4-5 cr. Survey of micro-organisms and their activities; emphasis on structure, taxonomy, function, ecology, nutrition, physiology, pathology and genetics. Survey of applied microbiology-agricultural, food, water, air, medical and industrial microbiology. The laboratory is an introduction to standard techniques and procedures in general microbiology. Lecture, lab and field trips. Prereq: introductory CHE, BIO courses recommended. *NMS/NS/LS.*

BAC 299 Reading and Research in Microbiology. 1-3 cr. (Same as BOT/ZOO 299.) Supervised undergraduate reading and research in biological sciences. This course is designed to acquaint the undergraduate with the literature and research techniques used in biological investigation and to give practical experience in scientific problem-solving. Prereq: cons. instr. *

BIOLOGY

BIO 107 Biological Aspects of Conservation of Natural Resources. 3 cr. The principles underlying the proper management of our resources—water, soils, minerals, forests, wildlife and human. The current and past attitudes relating to the resources with the interaction and complexities of humans' interests. This meets the statutory requirement for Conservation of Natural Resources required for State certification for teachers of science and social sciences. Lecture. *NMS/NS.*

BIO 109 Concepts of Biology. 5 cr. An introduction to the fundamental principles of living organisms. Includes cell and tissue structure, growth, basic physiological processes, reproduction and inheritance, classification, evolution and ecology. Lecture, lab and field trips. *NMS/NS/LS.*

BIO 116 Great Ideas in Biology. 2 cr. Selected landmark ideas in biology will be discussed not only to familiarize students with the concepts, but also to help them appreciate how scientific ideas develop, how technology and basic science interact, how public opinion affects the acceptance and application of advances and how current breakthroughs are likely to affect humans in the future. Lecture. *HFA.*



BIO 151 Introductory Biology. 5 cr. Living organisms; their structure, functional capabilities, developments, perpetuation and evolution. In combination with BIO 152 recommended for biology majors preparatory to advanced courses in biology, botany or zoology; also designed for those who wish a single integrated course in biology. Lecture, lab and field trips. *NMS/NS/LS/SQ(152).*

BIO 152 Introductory Biology. 5 cr. Living organisms; their diversity, behavior, ecology and evolution. Lecture, lab and field trips. Prereq: BIO 151. *NMS/NS/LS/SQ(151).*

BIO 160 Heredity. 3 cr. Principles of heredity with applications to plant, animal and human inheritance; current advances in genetics and their bearing on the life sciences. Lecture, demonstrations and discussion. *NMS/NS.*

BIO 230 The Biological Revolution: Directing our Destiny. 3 cr. (Same as PHI 230 and INT 230.) Combines significant elements from biology, philosophy and psychology. This course involves a multidisciplinary exploration of the ethical and practical implications of current developments and applications in the areas of molecular genetics, reproductive biology and sociobiology. *IST.*

BIO 250 Principles of Ecology. 4 cr. The interrelationships between living organisms and their environment, ecosystems concepts, population dynamics, community organization and distribution and application of ecological principles to humans and their environment. Lecture, lab and field trips. Prereq: introductory BIO course. *NMS/NS/LS.*

BIO 260 Genetics. 3 cr. Laws of variation and heredity and their modification by environment, genetic engineering and chromosome behavior with emphasis on human genetics. Lecture and lab. Prereq: introductory BIO course. *NMS/NS/LS.*

BOTANY

BOT 100 Survey of Botany. 3 cr. Structure, functions, life histories, taxonomy and evolution of representative plants throughout the plant kingdom. Lecture, lab and field trips. *NMS/NS/LS.*

BOT 130 General Botany. 5 cr. An introduction to plant sciences including the structure, development, physiology and genetics of plants. The relation of the major plant groups and the principles of biology. Lecture, lab and field trips. *NMS/NS/LS/SQ(ZOO 101).*

BOT 202 Dendrology. 3 cr. Identification, classification and economic importance of evergreen and deciduous woody plants, both native and exotic species, stressing characteristics of leaf, fruit, twig, bark and wood structure. Lecture, lab and field trips. No prerequisite; however, a course in general botany is recommended. *NMS/NS/LS.*

BOT 231 Survey of the Plant Kingdom. 4 cr. A phylogenetic study of the plant kingdom including all major groups of living and fossil plants, the distinguishing morphological features of the major taxa and the life cycles of representative organisms with evolutionary considerations. Lecture, lab and field trips. Prereq: introductory BIO course. *NMS/NS/LS.*

BOT 240 Plants and Civilization. 2 cr. The study of plants from an historical and geographical perspective and how plants are used in the modern world as a source of food, drugs and other materials. Lecture. *NMS/NS/HP.*

BOT 291 Special Topics in Botany. 1-3 cr. (Same as ZOO 291.) Designed to cover topics in biology not ordinarily covered in other classes. Prereq: cons. instr. *

BOT 299 Reading and Research in Botany. 1-3 cr. (Same as BAC/ZOO 299.) Supervised undergraduate reading and research in biological sciences. This course is designed to acquaint the undergraduate with the literature and research techniques used in biological investigation and to give practical experience in scientific problem-solving. Prereq: cons. instr. *

BUSINESS

BUS 101 Intro to Business. 3 cr. Introduction to the role of business in the modern political, social and economic environments; describes career opportunities. *EL.*

BUS 110 Personal Finance. 3 cr. A study of personal financial management. Examines the financial problems and consequent financial decisions required of individuals in our economy. Subjects covered are family budgeting, consumer buying decisions, borrowing, insurance, personal real estate, income taxation, investments and estate planning. *EL.*

BUS 194 Career and Life Planning. 2 cr. This course will enable students to develop career goals and lay out a path for achieving these goals. Students will examine their personal interests, aptitudes, values, decision-making skills, academic plans and career awareness. This personal, educational and occupational information will then be organized and translated into an individualized course of action. Integration of career goals with current and future college course work will be stressed. *EL*.

BUS 201 Introductory Accounting. 4 cr. Fundamental principles, terminology, techniques and practices; books, accounts and financial statements for retailing and wholesaling concerns; treatment and presentation of proprietorship, partnership and corporate accounts. Prereq: open to second semester freshmen. *EL*.

BUS 202 Intermediate Accounting. 4 cr. Accounting theory principles, concepts and procedures as applied to balance sheet and income statement accounts, presentation and interpretation of financial statements; problems of terminology, valuation and analysis are included. Prereq: BUS 201. *EL*.

BUS 204 Managerial Accounting. 3 cr. Interpretation and use of accounting reports by management in planning, coordinating and controlling business activities; presentation, analysis and interpretation of financial data; internal control and reports to management; cost-volume profit relationships, budgets, costs and managerial decision. Prereq: BUS 201. *EL*.

BUS 210 Business Communication. 3 cr. (Same as ENG 210.) Study and practice of the techniques of achieving clarity, brevity and effectiveness in business communication. Planning, preparation, critiquing of business letters, memoranda, short and long reports, resumes, manuals of procedure and oral reports. Prereq: ENG 102 or cons. instr. *EL/WE*.

BUS 243 Economics and Business Statistics. 3 cr. (Same as ECO 243) Elementary theory and techniques, probability and normal distribution, hypothesis testing, analysis and interpretation of economic and business data, index numbers, regression and time series analysis and Chi squares. Prereq: MAT 110 or MAT 210 or MAT 211 or concurrent registration in MAT 211. *NMS/MS*.

BUS 297 Special Topics. 1-3 cr. Prereq: cons. instr. *

BUS 299 Independent Studies. 1-3 cr. Prereq: cons. instr. *

CHEMISTRY

CHE 112 Foundations of Chemistry. 2 cr. Designed to prepare students with limited science backgrounds for success in CHE 125 or the CHE 145/155 sequence. Emphasizes fundamental chemical concepts, chemical nomenclature and problem-solving skills. Two hours lecture/discussion. *EL*.

CHE 123 Chemistry and Society. 3 cr. A qualitative, non-mathematical course in chemistry for non-scientists focusing on environmental and consumer chemistry. 3 hrs. lecture/discussion. Not a suitable prerequisite for professional chemistry courses. *NMS/NS*. (A student may not earn more than four credits by taking CHE 123 and CHE 124.)

CHE 124 Natural Science Chemistry. 4 cr. Non-mathematical look at our chemical world of drugs, pollutants, household chemicals, food additives, etc. Lectures and laboratories. Not a suitable prerequisite for professional chemistry courses. *NMS/NS/LS*. (A student may not earn more than four credits by taking CHE 123 and CHE 124.)

CHE 125 Introductory Chemistry. 5 cr. A one semester introductory course in college chemistry including an introduction to organic chemistry. Consists of lectures, discussions and laboratories. Primarily for students whose programs require only CHE 125 or CHE 125-203 combination. Students may not count both CHE 125 and CHE 145 toward the natural science or laboratory science requirement for the associate degree. *NMS/NS/LS/SQ(203/211)*.

CHE 145 General Chemistry. 5 cr. The first semester of a one-year course in college chemistry. Consists of lectures, discussions and laboratories. For students whose programs require a year of college chemistry or who plan to take advanced courses in chemistry. Students may not count both CHE 125 and CHE 145 toward the natural science or laboratory science requirement for the associate degree. Prereq: demonstrated competency at MAT 110 level or concurrent MAT 110 registration. *NMS/NS/LS/SQ(155)*.

CHE 155 General Chemistry. 5 cr. Continuation of CHE 145. Consists of lectures, discussions and laboratories. Prereq: CHE 145. *NMS/NS/LS/SQ(145)*.

CHE 203 Survey of Biochemistry. 3 cr. An elementary course in the chemical makeup and metabolic processes of living organisms. For non-science majors. Three hours of lectures per week. Together CHE 125 and CHE 203 constitute a year course with emphasis on organic and biological chemistry for non-science majors. Prereq: CHE 125 or CHE 145 with cons. instr. If taken alone *NMS/NS*, if combined with 211, *NMS/NS/LS/SQ(125)*.

CHE 211 Biochemistry Laboratory. 1 cr. Laboratory to accompany CHE 203. Three hours of laboratory per week. This course is highly recommended for degree nursing students. Prereq: CHE 203 or concurrent registration. *NMS/NS/LS/SQ(125)*.

CHE 214 Physiological Chemistry. 3 cr. Lectures and demonstrations on elementary aspects of organic and physiological chemistry; provided for students who have not had organic chemistry. For students interested in physical therapy. Prereq: CHE 125 or CHE 145 with cons. instr. *NMS/NS*.

CHE 244 Quantitative Analysis. 4 cr. A course in the fundamentals of quantitative analysis. Two hours of lecture-discussion and six to eight hours of laboratory per week. Prereq: CHE 155. *NMS/NS/LS*.

CHE 290 Special Topics in Chemistry. 1-3 cr. Prereq: cons. instr. *

CHE 299 Independent Study in Chemistry. 1-3 cr. Prereq: cons. instr. *

CHE 343 Introductory Organic Chemistry. 3 cr. The first semester of a year course in organic chemistry. Three hours of lecture per week. Prereq: CHE 155 or cons. instr. *NMS/NS* if combined with 352, *LS/SQ(363)*.

CHE 352 Introductory Organic Chemistry Laboratory. 2 cr. Six to eight hours of laboratory per week. Prereq: CHE 343 or concurrent registration. *NMS/NS/LS.*

CHE 363 Intermediate Organic Chemistry. 3 cr. Continuation of Chemistry 343. Three hours of lecture per week. Prereq: CHE 343. *NMS/NS/SQ(343).*

COMMUNICATION ARTS

COM 101 Introduction to Interpersonal Communication. 3 cr. A course aimed at increasing the student's awareness of how he or she and others communicate and at improving communication with others in one-on-one situations. Topics studied include perception, listening, nonverbal communication, language and conflict management. *EL.*

COM 102 Forensics Laboratory. 1 cr. Participation in forensics activities including, but not limited to oral interpretation oratory, extemporaneous speaking, after-dinner speaking, impromptu speaking, debate, discussion and play reading. It is possible to register in more than one section with cons. instr.

Sect. 1 **Discussion-Debate.** 1 cr. *EL.*

Sect. 2 **Rhetoric.** 1 cr. *EL.*

Sect. 3 **Interpretation.** 1 cr. *EL.*

COM 103 Introduction to Public Speaking. 3 cr. Study of the principles and techniques of effective speaking and listening in a variety of selected communication experiences. *SE.*

COM 104 Applied Journalism—Newspaper. 1 cr. Practical application of the principles of writing, editing, photography and production of materials for campus publications. *EL.*

COM 105 Applied Journalism—Radio. 1 cr. Practical application of the principles of writing, editing and producing materials and/or presenting materials on the radio. *EL.*

COM 106 Applied Journalism—Television. 1 cr. Practical application of the principles of writing, editing, videotaping and producing materials for and/or presenting materials on television. *EL.*

COM 110 Listening. 2-3 cr. An introduction to the theories, research, behaviors and skills associated with the process of listening. Application of content material will be explored and analyzed through classroom exercises and evaluations. *EL.*

COM 130 Introduction to Theatre. 3 cr. A study of the development of theatre as an art form. Emphasis is on the role of the audience and the understanding and appreciation of the nature of theatre, important plays, dramatic styles and elements of a theatrical production. *HFA/FA/HP/PT.*

COM 131 Theatre Laboratory. 1 cr. Participation in theatrical production activities including directing, management, technical production, lighting, stage design, costuming, make-up, acting and theatre management. It is possible to register in more than one section with cons. instr.

Sect. 1 **Acting.** 1 cr. *EL.*

Sect. 2 **Technical production.** 1 cr. *EL.*

Sect. 3 **Theatre management.** 1 cr. *EL.*

COM 150 Introduction to Film. 3 cr. Study of the nature and development of film as a distinctive medium of communication and as an art form. *HFA/FA/HP/PT.*

COM 160 Speech and Human Behavior. 3 cr. The study of people as complex communicators who through physical, behavioral and linguistic signs send and receive messages in a variety of social and cultural interactions. Prereq: COM 101. *EL.*

COM 201 Introduction to Mass Communication. 3 cr. A survey course examining print, electronic and persuasive media from an historical perspective. Topics discussed include newspapers, magazines, books, radio, television, film, public relations and advertising. *SS/HP.*

COM 202 Mass Communication and Contemporary Issues. 3 cr. Analysis of contemporary public issues as reported in the mass media with emphasis on news and feature content of radio, television, newspapers and other periodicals. Techniques of content analysis and survey research. Specific issues for study to be determined at the time the course is offered. Prereq: COM 201 or cons. instr. *EL.*

COM 203 News and Informational Writing. 3 cr. Instruction and practice in written communication of factual materials under direct guidance of instructor. Emphasis is on writing for news media, but time is spent on procedures and techniques which are basic for all informational writing. Prereq: typing proficiency recommended and the satisfactory completion of English 101 or equivalent documentation of language skills. *EL.*



COM 204 News Reporting. 3 cr. Emphasis on the gathering of news and interviewing. Field work in the community. Typing proficiency recommended and the satisfactory completion of English 101 or equivalent documentation of language skills. Prereq: COM 203 or cons. instr. *EL*.

COM 220 Introduction to Radio Broadcasting. 3 cr. A study of the principles and practices of contemporary radio production and programming, including laboratory work. *EL*.

COM 221 Introduction to Television Broadcasting. 3 cr. The study of the principles and practices of contemporary television production and programming, including laboratory work. *EL*.

COM 230 Introduction to Oral Interpretation. 3 cr. A course aimed at increasing the student's ability to understand and appreciate literature through oral performance. The student will critically analyze and perform literary materials individually and/or in groups. *HFA*.

COM 232 Introduction to Acting. 3 cr. Exploration of the actor's self through exercises and improvisations to enhance concentration of attention, observation, imagination and sensory responsiveness. *EL*.

COM 234 Introduction to Stagecraft. 3 cr. Theories and techniques of stagecraft, such as set design and construction, scene painting, stage lighting, costuming and make-up. *EL*.

COM 266 Group Discussion. 3 cr. Study of the structure and dynamics of small groups. Topics include decision making, group behaviors, critical thinking, problem solving and leadership in group interaction processes. *EL*.

COM 268 Persuasion. 3 cr. Principles and methods of persuasion, with practice in the preparation and delivery of various types of persuasive speeches. Prereq: COM 103 or cons. instr. *EL/SE*.

COM 298 Topics in Speech and Dramatic Arts. 1-3 cr. The nature and subject of this course will be announced in the timetable. Prereq: may be determined by instructor. *

COM 299 Independent Studies. 1-3 cr. Readings, reports, papers or projects to be determined by the individual instructor. Prereq: introductory COM course and cons. instr. *

COM 348 Creative Dramatics for Children. 3 cr. Theory and function of creative dramatics and applications in elementary education. *EL*.

COM 349 Children's Theatre Production. 3 cr. Methods of directing, designing and producing plays for the child audience. Examination of scripts and study of techniques in adapting children's literature for the stage. *EL*.

COMPUTER SCIENCE

NOTE: Because of course content overlap and possible transfer of credit problems, students are encouraged to take no more than four credits of Computer Science at the 100 level.

CPS 100 Computers and Society. 1-3 cr. Study of the functions of computers, their applications and the resultant social changes, both desirable and undesirable. Consideration of the value systems that are threatened as computer technology continues to expand. No programming required. *EL*.

CPS 101 Computer Orientation. 1 cr. An introduction to the campus computing set-up. Emphasis on what computers can do; using computers rather than programming them. *EL*.

CPS 103 Computer Fundamentals I. 1 cr. An overview of computers, what they are and how they work. Typical topics include history, hardware, programming languages and operating systems, application software, communications, career opportunities and ethical issues. Also included is an introduction to the campus computing network. *EL*.

CPS 104 Computer Fundamentals II. 1 cr. A continuation of CPS 103 with increased emphasis on advanced concepts. Typical topics include systems analysis/design/implementation, system security, MIS/decision support systems, computer applications in business and industry, structured design and programming, artificial intelligence, advanced application and future computer systems. Prereq: CPS 103. *EL*.

CPS 105 Computer Applications. 1 cr. Principles and use of computer applications including word processors, spreadsheets and data bases. May also cover other applications such as telecommunications, graphics, statistics, simulations or CAI. Does not include teaching of programming. Course may not be taken more than once for degree credit. *EL*.

CPS 106 Word Processing Concepts. 1 cr. Text entry, editing and manipulation. Covers typical as well as many advanced features of word processing. Extensive hands-on experience. Prereq: CPS 101 or CPS 103 or cons. instr. *EL*.

CPS 107 Spreadsheet Concepts. 1 cr. Typical features and application of electronic spreadsheets. This course involves extensive hands-on experience. Prereq: cons. instr. *EL*.

CPS 108 Database Concepts. 1 cr. Creation of data files and data manipulation (editing, sorting, deleting, etc.). Report definition and generation. Accessing and searching of remote data bases. Includes extensive hands-on experience. Prereq: cons. instr. *EL*.

CPS 110 Introduction to Computer Science (BASIC). 3 cr. How computers work, communicating with computers, areas of application and significance, simple Algebraic Language programming, elementary data processing and problem solving. Instruction and significant experience in BASIC with possible exposure to a second language. Prereq: intermediate high school mathematics or MAT course. *EL*.

CPS 111 Introduction to Computer Science (FORTRAN). 3 cr. Same as CPS 110 except FORTRAN is primary language. *EL*.

CPS 113 Introduction to Computer Science (Pascal). 3 cr. Same as CPS 110 except Pascal is primary language. *EL*.

CPS 120 Introduction to Data Processing. 3 cr. A study of the methods and concepts of gathering data and converting it into information. Emphasis will be on computer data processing and will include topics such as program preparation and documentation, time sharing, storage and information retrieval, computer arithmetic and data representation, BASIC, FORTRAN and COBOL programming. Prereq: MAT 110, MAT 124 or equivalent. *EL*.

CPS 130 Introduction to Programming (BASIC). 1-2 cr. The basics of programming for beginners. Introductory information on editing, program structure, data types, input, output, calculating, looping and selection. Short programs will be written and tested on a computer. *EL*.

CPS 131 Intro to Programming (FORTRAN). 1-2 cr. Same as CPS 130 except FORTRAN is primary language. *EL*.

CPS 133 Intro to Programming (Pascal). 1-2 cr. Same as CPS 130 except Pascal is primary language. *EL*.

CPS 210 Algebraic Language Programming (BASIC). 3 cr. Construction of algorithms, flow-charting and documentation, instruction and extensive experience in the use of a procedure-oriented language (BASIC) emphasizing modular programming techniques, optional topics. Prereq: Previous programming experience or consent of instructor or MAT 211 or MAT 221 (or concurrent registration). *NMS/MS*.

CPS 211 Algebraic Language Programming (FORTRAN). 3 cr. Same as CPS 210 except FORTRAN is primary language. *NMS/MS/SQ(241)*.

CPS 213 Algebraic Language Programming (Pascal). 3 cr. Same as CPS 210 except Pascal is primary language. *NMS/MS/SQ(243)*.

CPS 231 Numerical Methods. 2 cr. An introduction to numerical analysis designed for engineers, mathematicians, physicists and computer scientists. Topics include evaluation of functions, finding zeroes of functions, quadrature, numerical solution of linear algebraic equations and methods for ordinary differential equations. Prereq: MAT 222 and CPS 210, CPS 211 or CPS 213. *NMS/MS*.

CPS 240 Problem Solving with BASIC. 3 cr. This course is a continuation of CPS 210. It contains a review of beginning BASIC and continues into more advanced topics, typically to include things such as multidimensional arrays, record structure and file handling. Emphasis on problem solving, algorithm development and programming style. Prereq: CPS 210 or equivalent. *NMS/MS*.

CPS 241 Problem Solving with FORTRAN. 3 cr. Same as CPS 240 except FORTRAN is primary language. *NMS/MS/SQ(211)*.

CPS 243 Problem Solving with Pascal. 3 cr. Same as CPS 240 except Pascal is primary language. *NMS/MS/SQ(213)*.

Programming in Computer Language.

CPS 252 COBOL.

CPS 253 Pascal.

CPS 256 C Language. (3 cr. only).

CPS 260 Assembly Language.

2-3 cr. These courses are designed to teach a new programming language to a student who already has experience in programming. The number of credits is determined by the depth of study in the particular language. Note: These courses may not be taken for credit by a student whose previous programming experience lies in that particular language. Prereq: consent of instructor or CPS 110, CPS 111 or CPS 113; or CPS 210, CPS 211 or CPS 213. *NMS/MS*.

CPS 270 Data Structures. 3 cr. An introduction to the data structures used for representing information involved in problem solving. Topics covered include stacks, queues, linked lists, trees, graphs, searching, sorting, hash tables and dynamic storage allocation. Prereq: CPS 210, CPS 211 or CPS 213. *NMS/MS*.

CPS 291 Special Topics. 1-3 cr. In-depth treatment of subjects introduced in CPS 110, CPS 210 or other courses. Choice of topics depends on student interest, staff and equipment availability. Typical topics include file handling, operating systems, social implications, simulation, management tools, specialized languages, current technology, numerical methods, artificial intelligence and digital logic. Prereq: CPS 110, CPS 210 or cons. instr.*

CPS 299 Independent Study in Computer Science. 1-3 cr. *

ECONOMICS

ECO 101 Survey of Economics. 3 cr. A study of the economic system, with emphasis on problems and policies. Among the subjects included are markets and prices, income distribution, business fluctuation, economic growth and comparative economic systems. Students with credit in ECO 203 or ECO 204 may not receive credit; if a student takes ECO 203 or ECO 204 after receiving ECO 101 credit, that credit will not apply toward associate degree requirement. *SS*.

ECO 203 Economics—Macro. 3-4 cr. The emphasis of the course is on macro analysis and covers areas such as national income, commercial banking, business fluctuations, monetary and fiscal policies and economic growth. Designed for students who desire a basic one-year course (with ECO 204) in economics. Prereq: MAT 105 and ENG 101 or cons. instr. recommended. *SS/SQ(204)*.

ECO 204 Economics—Micro. 3-4 cr. Emphasizes the micro economic approach concerning households, firms and market structures with a focus on price determination and distribution of income. Foreign trade and international financial institutions are included. Prereq: MAT 105 and ENG 101 or cons. instr. recommended. *SS/SQ(203)*.

ECO 230 Money and Banking. 3 cr. A study of the structure and operations of the commercial banking system and other financial institutions, central banking and monetary policy, monetary systems and their developments; theories of money, income and prices and their economic effect on the economy, impact of fiscal policy and international finance on monetary policy. Prereq: ECO 101, ECO 203 or equivalent. *SS*.

ECO 243 Economics and Business Statistics. 3 cr. (Same as BUS 243) Elementary theory and techniques, probability and normal distribution, hypothesis testing, analysis and interpretation of economic and business data, index numbers, regression and time series analysis and Chi squares. Prereq: MAT 110 or MAT 210 or MAT 211 or concurrent registration in MAT 211. *NMS/MS.*

ECO 250 Government and Business. 3 cr. A survey of government activities affecting business: legal and economic problems in the control of competitive practices, regulation of business, public expenditures and subsidies and public enterprise. Stresses government regulation of business and anti-trust policies. Prereq: ECO 204. *SS.*

ECO 297 Special Topics. 1-3 cr. Prereq: cons. instr. *

ECO 299 Independent Studies. 1-3 cr. Prereq: cons. instr. *

EDUCATION

EDU 201 Concepts, Issues and Field Experience in Education. 3 cr. Discussion of educational principles, concepts and issues related to student-teacher-school-community interactions, including developmental aspects, sociocultural influences and human relations (two hours per week). Off-campus experience involving active participation in the program at an educational institution (five hours per week). *EL.*

EDU 283 Literature for Children. 3 cr. Folk literature including the fairy tale, fable, myth, epic and tall tales. Emphasis on modern fanciful and realistic fiction, traditional and modern poetry and ways of presenting literature to children. Prereq: ENG 102. *EL.*

EDU 300 The Exceptional Child. 3 cr. Study of the definition, classification and etiology of conditions creating special education needs. Topics reviewed include intellectually retarded, gifted and emotionally disturbed and the speech, auditorily, visually orthopedically and neurologically impaired. Prereq: grade of C- or better in PSY 201 or PSY 202; PSY 360 recommended. *EL.*

EDU 330 Educational Psychology. 3-4 cr. A study of the developmental process in children and psychological principles of teaching and learning. Emphasis will be placed on understanding children and adolescents, their developmental stages, their growth and maturation—social, emotional, physical, intellectual. Attention will be directed toward the nature and conditions of learning, including the major types of learning, critical aspects of learning and the problems encountered in fostering and directing learning. Prereq: grade of C- or better in PSY 201 or PSY 202. *EL.*

ENGINEERING

EGR 100 Engineering Freshman Orientation. 1 cr. Discussion of what is actually done by engineers in the various fields. Also covers professional ethics, responsibilities to society, environmental technology assessment and professional registration. May be taken by non-engineering majors. *EL.*

EGR 106 Technical Communications. 3 cr. This course will cover graphical oral and written presentations. The course would be useful to any discipline requiring report writing or data analysis. *EL.*

Engineering Graphics

GRA 102 Elements of Descriptive Geometry. 3 cr. Orthographic projection and its application to the analysis and solution of three-dimensional problems involving points, lines, planes and solids; axonometric projections for pictorial representation with engineering applications. The class meets six hours each week to allow the student to do most of the drawing under the supervision of the instructor. Pre-req: intermediate MAT or cons. instr. *EL.*

GRA 113 Introduction to Design Methods and General Engineering Graphics. 3 cr. Methodology of developing product and system solutions to design problems. Emphasis on techniques of problem identification, ideation, optimization, implementation and technical communication. Application of methodology to individual or group design project. Advanced principles of projection and graphical analysis, sectional views, dimensioning, assembly drawings, mechanisms, graphs and topography. The class meets six hours each week to allow the student to do most of the drawing under the supervision of the instructor. Prereq: GRA 102 or cons. instr. *EL.*

Engineering Mechanics

MEC 201 Statics. 3 cr. Principles of mechanics, force systems, equilibrium, structures, distributed forces, moments of inertia of areas and friction. The course will serve the requirements of the several engineering curricula. Prereq: MAT 221. *EL.*

MEC 202 Dynamics. 3 cr. Kinematics, force-mass-acceleration relations, work and energy, impulse and momentum and moments of inertia of mass. This course will serve the requirements of the several engineering curricula. Prereq: MEC 201, MAT 222. *EL.*

MEC 203 Strength of Materials. 3-5 cr. Stress and strain, torsion, bending of beams, compound stresses, principal stresses, deflections of beams, statically indeterminate members, columns, elastic buckling, fatigue, creep, impact and concrete properties. Lab required if taken for 4 or 5 credits. Prereq: MEC 201. *EL.*

ENGLISH AND LITERATURE

(See also Non-degree Credit Courses, p. 59).

ENG 101 Composition I. 3 cr. A writing course that focuses on the basic techniques of composition, on the composing process with attention to drafts and revisions and on coherence and organization of student essays. Prereq: a grade of C or better in Basics of Composition or exemption through a sufficiently high placement test score.

ENG 102 Composition II. 3 cr. A rhetoric course that focuses on writing which presents information and ideas effectively, with attention to the essay and techniques of documentation. Emphasis will be on academic writing which is applicable across the curriculum. Prereq: ENG 101 or exemption through sufficiently high placement test score. *PR.*



ENG 201 Intermediate Composition. 3 cr. A course devoted to the theory and practice of writing prose that presents information and ideas and is intended to inform and/or persuade. Emphasis will be placed on coherent organization, clear and forceful phrasing, logical thinking and other aspects of effective communication. Prereq: ENG 102, ENG 202 or cons. instr. *EL.*

ENG 202 Writing about Literature. 3 cr. Studying and writing about various types of literature. Helps students develop the ability to write critical, analytical and explicative papers about literature. Prereq: ENG 102, ENG 201 or cons. instr. *HFA/PT.*

ENG 203 Creative Writing I. 3 cr. Chiefly devoted to writing and studying one or more of the following: fiction, poetry and drama. Prereq: ENG 102, ENG 202 or cons. instr. *EL.*

ENG 204 Creative Writing II. 3 cr. A continuation of ENG 203. Prereq: ENG 203 or cons. instr. *EL.*

ENG 206 Technical Writing. 3 cr. The study and practice of the techniques of achieving brevity, clarity and fluency in technical prose with emphasis on generating reports, letters, proposals and other technical writing forms. Particularly appropriate for students in science, engineering, architecture and other applied sciences. Prereq: ENG 101, ENG 102 or cons. instr. *EL.*

ENG 210 Business Communication. 3 cr. (Same as BUS 210.) Study and practice of the techniques of achieving clarity, brevity and effectiveness in business communication. Planning, preparation, critiquing of business letters, memoranda, short and long reports, resumes, manuals of procedure and oral reports. Prereq: ENG 102 or cons. instr. *EL/WE.*

ENG 220 Introduction to the English Language. 3 cr. A beginning course in the study of the English language, concerned with subjects such as the history and structure of the language, development of dictionaries, changing meanings of words and types of grammar. An elective open to freshmen but not as a substitute for ENG 101, ENG 102 or ENG 202. *EL.*

ENG 250 Introduction to Literature. 3 cr. Intensive analysis of literature, including poetry, drama and fiction, using representative types, primarily from several periods of English and American literature. Not open to students with credit in ENG 251, ENG 253 or ENG 255. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 251 Introduction to Dramatic Literature. 3 cr. Intensive analysis of dramatic literature using representative types, primarily from several periods of English and American drama. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 253 Introduction to Narrative Literature. 3 cr. Intensive analysis of fiction using representative types, primarily from several periods of English and American literature. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 255 Introduction to Poetry. 3 cr. Intensive analysis of poetry using representative types, primarily from several periods of English and American literature. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT*.

ENG 260 English Literature Before 1798. 3 cr. A study of the development of British literature before 1798 through a survey of representative literary works. Not open to students with credit in ENG 270. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(261)*.

ENG 261 English Literature After 1798. 3 cr. A study of the development of British literature after 1798 through a survey of representative literary works. Not open to students with credit in ENG 270. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(260)*.

ENG 262 American Literature Before 1865. 3 cr. A study of the development of American literature before 1865 through a survey of representative literary works. Not open to students with credit in ENG 272. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(263)*.

ENG 263 American Literature After 1865. 3 cr. A study of the development of American literature after 1865 through a survey of representative literary works. Not open to students with credit in ENG 272. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(262)*.

ENG 264 The Western Tradition in Literature Before 1700. 3 cr. Selected masterpieces of the Western tradition in literature from ancient time to the end of the seventeenth century. Not open to students with credit in ENG 274. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(265)*.

ENG 265 The Western Tradition in Literature After 1700. 3 cr. Selected masterpieces of the Western tradition in literature from the end of the seventeenth century to the present. Not open to students with credit in ENG 274. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(264)*.

ENG 266 Modern Literature (Before 1945). 3 cr. A study of the development of modern literature through the examination of significant and representative works written before 1945. Not open to students with credit in ENG 276. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(267)*.

ENG 267 Contemporary Literature (After 1945). 3 cr. A study of the development of contemporary literature through the examination of significant and representative works written after approximately 1945. Not open to students with credit in ENG 276. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/HP/SQ(266)*.

ENG 268 International Literature Before 1750. 3 cr. A study of representative authors from selected regions and eras, ranging from non-Western traditions such as the Indian, Arabic, West African, Chinese, Japanese and Native American to Western traditions such as the Greek, Teutonic, Russian and/or South American. Content and focus will vary according to instructor. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/CC/SQ(269)*.

ENG 269 International Literature After 1750. 3 cr. A study of representative authors from selected regions and eras ranging from non-Western traditions such as the Indian, Arabic, West African, Chinese, Japanese and Native American to Western traditions such as the Greek, Teutonic, Russian and/or South American. Content and focus will vary according to instructor. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/CC/SQ(268)*.

ENG 270 English Literature. 3 cr. A study of the nature of British literature through the examination of representative literary works by major British authors. Not open to students with credit in ENG 260 or 261. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT*.

ENG 272 American Literature. 3 cr. A study of the nature of American literature through the examination of representative literary works by major American authors. Not open to students with credit in ENG 262 or 263. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT*.

ENG 273 Studies in International Literature. 3 cr. A study of representative authors from selected regions and eras, ranging from non-Western traditions such as the Indian, Arabic, African, Native American, Chinese and Japanese to Western traditions such as the Scandinavian, Australian, Russian and South American. Content and focus will vary according to instructor. Not open to students with credit in ENG 268 or ENG 269. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/CC*.

ENG 274 The Western Tradition in Literature. 3 cr. A study of selected masterpieces of the Western tradition in literature. Not open to students with credit in ENG 264 or 265. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT*.

ENG 275 Twentieth Century Novels of the World. 3 cr. A study of the twentieth century novel in a number of countries (usually excluding American and European novels). The course will explore the cultures of those countries as they are reflected in the novels. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/CC*.

ENG 276 Twentieth Century Literature. 3 cr. A study of the nature of twentieth century literature through the examination of representative literary works by significant authors, primarily British and American, of the twentieth century. Not open to students with credit in ENG 266 or ENG 267. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT*.

ENG 277 Film Studies. 3 cr. An exploration of some aspect, theory, problem or distinctive variety of film, particularly narrative film. Emphasis may be upon the history of a genre, a single artist or the distinctive character of the medium in comparison to drama or narrative fiction. Program must be approved by the UW Centers English Department chair. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 278 Minority Voices in Literature: A Cross-Cultural Perspective. 3 cr. A study of literature by—and expressing the perspective of—minorities in America. Program must be approved by the UW Centers English Department Chair. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/CC/ES.*

ENG 279 Women in Literature. 3 cr. A study of women characters and/or authors in their cultural contexts through an examination of representative literary works by significant authors. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/CC.*

ENG 280 Introduction to Shakespeare. 3 cr. A study of representative plays and sonnets. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 290 Special Topics. 1-2 cr. Designed to cover topics which cannot be accommodated in usual course format or by other courses. Topics will be specified in campus timetable. Program must be approved by the UW Centers English Department chair. Prereq: cons. instr. *

ENG 299 Independent Study. 1-3 cr. Program must be approved by the UW Centers English Department chair. Prereq: cons. instr. *

ENG 351 Studies in Dramatic Literature. 3 cr. An exploration of some aspect of drama or the theory of drama, of the internal history of the genre or the distinctive character of the mode and its application in practical criticism to an appropriate body of primarily English and American literature. Program must be approved by the UW Centers English Department chair. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 353 Studies in Narrative Literature. 3 cr. An exploration of some aspect, problem or distinctive variety of narrative or the theory of narrative, in forms such as the novel, the short story, the epic, the romance and its application in practical criticism to an appropriate body of primarily English and American literature. Program must be approved by the UW Centers English Department chair. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 355 Studies in Poetry. 3 cr. An exploration of some aspect of poetic theory and practice, generally in terms of the shorter verse forms and its application in practical criticism to an appropriate body of primarily English and American literature. Program must be approved by the UW Centers English Department chair. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 370 A Theme in English and/or American Literature. 3 cr. This theme varies from time to time and may be, for example, philosophical, social, political or psychological. Program must be approved by the UW Centers English Department chair. Prereq: ENG 101 (or exemption based on test placement score) or ENG 102 or cons. instr. *HFA/PT.*

ENG 380 A Figure or Figures in English and/or American Literature. 3 cr. The figure or figures may be one writer, such as Milton or a group of writers, such as English Romantic poets of the nineteenth century or African-American writers of twentieth century America. Program must be approved by the UW Centers English Department chair. Prereq: ENG 101 (or exemption based on test placement score) or ENG 102 or cons. instr. *HFA/PT.*

FORESTRY

FOR 120 Introduction to Forest Resources. 3 cr. Introduction to the forest resources of the United States with special emphasis on the role of forestry in historic and current events; elementary mensuration; management techniques. Lecture and lab. *NMS/NS/LS.*

FRENCH

The first four semesters of French may be offered as two modules, Part I and Part II, carrying two credits each. Part I is a prerequisite for Part II. It is expected that students will complete both modules. If only Part I is completed, elective credit will be granted. The student should consult with the transfer institution regarding the acceptance of single module credit.



FRE 101 First Semester French. 4 cr. For students who have had no previous training in the language. Emphasis on reading, writing, listening and speaking in French. Classes also may include cultural studies of France and other French-speaking countries. Field trip may be required. *EL*.

FRE 103 First Semester-Part I. 2 cr. For students who have had no previous training in the language. This course is the first module of a two-part introductory sequence. Emphasis on reading, writing, listening and speaking in French. Classes may include cultural studies of France and other French-speaking countries. Field trip may be required. No prereq. (This course in combination with FRE 104 is equivalent to FRE 101.) *EL*.

FRE 104 First Semester-Part II. 2 cr. Continuation of FRE 103 and second module of a two-part introductory sequence. Field trip may be required. Prereq: FRE 103 or cons. instr. (This course in combination with FRE 103 is equivalent to FRE 101.) *EL*.

FRE 105 Second Semester French. 4 cr. Continuation of FRE 101 or FRE 104. Field trip may be required. Prereq: FRE 101 or FRE 104 or cons. instr. *EL*.

FRE 106 Second Semester-Part I. 2 cr. Continuation of FRE 101 or FRE 104. This is the first module of a two-part second-semester sequence. Field trip may be required. Prereq: FRE 101 or FRE 104 or cons. instr. (This course in combination with FRE 107 is equivalent to FRE 105.) *EL*.

FRE 107 Second Semester-Part II. 2 cr. Continuation of FRE 106 and second module of a two-part second-semester sequence. Field trip may be required. Prereq: FRE 106 or cons. instr. (This course in combination with FRE 106 is equivalent to FRE 105.) *EL*.

FRE 118 Practical Spoken French. 1-2 cr. Emphasis on the spoken language in everyday contexts. Not part of the sequence of required foreign language courses. Prereq: cons. instr. *EL*.

FRE 119 Practical Spoken French. 1-2 cr. Continuation of FRE 118. Not part of the sequence of required foreign language courses. Prereq: FRE 118 or cons. instr. *EL*.

FRE 201 Third Semester French. 4 cr. Reviews grammar taught during first two semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: FRE 105 or FRE 107 or cons. instr. *HFA/SQ (205)*

FRE 203 Third Semester-Part I. 2 cr. This course is the first module of a two-part third-semester sequence. Reviews grammar taught during the first two (or four) semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: FRE 105 or FRE 107 or cons. instr. (This course in combination with FRE 204 is equivalent to FRE 201.) *HFA*.

FRE 204 Third Semester-Part II. 2 cr. Continuation of FRE 203 and second module of a two-part third-semester sequence. Field trip may be required. Prereq: FRE 203 or cons. instr. (This course in combination with FRE 203 is equivalent to FRE 201.) *HFA*.

FRE 205 Fourth Semester French. 4 cr. Continuation of FRE 201 or FRE 204. Reading, writing, audio/oral practice, cultural insights based on literary texts in French. Field trip may be required. Prereq: FRE 201 or FRE 204 or cons. instr. *HFA/PT/SQ (201)*.

FRE 206 Fourth Semester-Part I. 2 cr. Continuation of FRE 201 or FRE 204. This is the first module of a two-part fourth-semester sequence. Reading, writing, audio/oral practice, cultural insights based on literary texts in French. Field trip may be required. Prereq: FRE 201 or FRE 204 or cons. instr. (This course in combination with FRE 207 is equivalent to FRE 205.) *HFA/PT*.

FRE 207 Fourth Semester-Part II. 2 cr. Continuation of FRE 206 and second module of a two-part fourth-semester sequence. Field trip may be required. Prereq: FRE 206 or cons. instr. (This course in combination with FRE 206 is equivalent to FRE 205.) *HFA/PT*.

FRE 215 Elementary Conversation and Composition. 1-2 cr. May be taken concurrently with FRE 201 or by itself. Stresses practical application of theory learned in 4-credit courses. Written and audio/oral exercises based on cultural, everyday topics. Carries no retroactive credit. Prereq: FRE 105 or FRE 107 or cons. instr. *EL*.

FRE 216 Elementary Conversation and Composition. 1-2 cr. May be taken concurrently with FRE 205. Carries no retroactive credit. Prereq: FRE 215 or cons. instr. *EL*.

FRE 219 French for Business. 3 cr. Designed to acquaint the student with the vocabulary and practices of the business community. Oral and written practice in the preparation of letters and forms. Carries no retroactive credit for work completed in high school. Prereq: FRE 201 or FRE 204 or cons. instr. *EL*.

FRE 221 Introduction to French Literature, Middle Ages to Eighteenth Century. 3 cr. Masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in French. Prereq: FRE 205 or FRE 207 or cons. instr. *HFA/PT/SQ(222,223)*.

FRE 222 Introduction to French Literature, Eighteenth and Nineteenth Centuries. 3 cr. Masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in French. Prereq: FRE 205 or FRE 207 or cons. instr. *HFA/PT/SQ(221,223)*.

FRE 223 Introduction to French Literature, Twentieth Century. 3 cr. Masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in French. Prereq: FRE 205 or FRE 207 or cons. instr. *HFA/PT/SQ(221,222)*.

FRE 225 Intermediate Conversation and Composition. 3 cr. Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: FRE 205 or FRE 207 or cons. instr. *HFA/SQ(226)*.

FRE 226 Intermediate Conversation and Composition. 3 cr. Continuation of FRE 225. Prereq: FRE 225 or cons. instr. *HFA/SQ(225)*.

FRE 276 Twentieth Century French Literature in Translation. 3 cr. Concentration on 20th-Century fiction, drama and essays, including existentialism, the philosophy of the Absurd and their impact on contemporary attitudes. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in English. No knowledge of French necessary. No foreign language credit. *HFA/PT*.

FRE 277 Special Topics in Literature in Translation. 2-3 cr. Treats various topics of French literature to be specified by instructor in campus timetable. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in English. No knowledge of French necessary. No foreign language credit. *HFA/PT*.

FRE 291 Selected Topics in French. 2-3 cr. Cultural, literary or linguistic themes as specified in campus timetable. Prereq: FRE 205 or FRE 207 or cons. instr. *

FRE 299 Intermediate Independent Reading. 1-3 cr. Individual student(s) assigned readings, reports and papers on topic determined by instructor. One-on-one meetings to be arranged. Prereq: FRE 205 or FRE 207 and cons. instr. *



GEOGRAPHY

GEO 101 Introduction to Cultural Geography. 3 cr. An examination of world distribution patterns of population, settlement and cultural forms and their causal relationships. *SS/CC/SQ(102)/SQ(110)*.

GEO 102 Roots and Diversity. 3 cr. A geography of American minority groups. An introduction to ethnic geography that examines selected minority groups in the United States and Canada, (including African-Americans, Hispanics, Native Americans, Chinese, etc.) using the major themes of cultural geography. *ES/HP/CC/SS/SQ(101)*.

GEO 104 Landscapes of North America. 3-4 cr. (Same as GLG 104.) A general survey of the characteristics and origins of major natural/physical regions of North America, with an emphasis on national parks and monuments and other public areas. *NMS/NS(if 4 cr. also LS)*.

GEO 107 Introduction to Maps and Air Photos. 3-4 cr. (Same as GLG 107.) The use and interpretation of aerial photos and other forms of remote sensing and the basics of map reading, analysis and interpretation including a brief introduction to the principles of map design and construction. Emphasis on topographic and thematic maps and vertical air photos. *NMS/NS(if 4 cr. also LS)*.

GEO 110 World Regional Geography. 3 cr. Introduction to cultural geography through the study of representative and significant regions and nations. *SS/CC/SQ(101)*.

GEO 115 Economic Geography. 3 cr. Analysis of location of population and the distribution and character of the leading global economic activities: agriculture, fishing, forestry, mining, manufacturing, transportation and trade. Field trips. *SS/CC*.

GEO 120 Survey of Physical Geography. 3-4 cr. Characteristics and world distribution of physical factors which in combination form the natural environment: elements of weather and climate, climatic types, earth materials, landforms and earth resources. Two hours of lab per week. Field trips. May not be taken for credit by students who have had GEO 123 or GEO 124. *NMS/NS/LS*.

GEO 121 Atmospheric Environment of Humankind. 2 cr. The interaction of humans and their societies with the atmospheric environment. *NMS/NS*.

GEO 123 Physical Geography: Weather and Climate. 4-5 cr. The form of the earth; earth-sun relationships; elements of climate; characteristics, distribution and significance of climatic types; the seas; and natural vegetation and soils. Lab and field trips. *NMS/NS/LS/SQ(124)*.

GEO 124 Physical Geography: Landforms. 4-5 cr. Introduction to maps; characteristics, distribution and significance of landform types; plate tectonics; the continental margins and the seafloors; and water resources. Lab and field trips. *NMS/NS/LS/SQ(123)*.

GEO 125 Survey of Physical Geography. 3 cr. Characteristics and world distribution of physical factors which in combination form the natural environment: elements of weather and climate, climatic types, earth materials, landforms and earth resources. May not be taken for credit by students who have had GEO 123 or GEO 124. *NMS/NS*.

GEO 130 Human Impact on the Environment. 3-4 cr. A natural science course describing the alteration of the physical environment with the resulting effects on air, water, soils, vegetation, animal life and humans. Field trips. *NMS/NS(if 4 cr. also LS).*

GEO 200 Historical Geography of the American Frontier. 3 cr. An analysis of human adjustment to and alterations of the natural environment of the United States and adjacent parts of Canada at succeeding stages of time. Emphasis given to the westward movement of settlement and the impact of major cultural groups on the land, with special attention directed to the role of these groups in the formation of the present cultural landscape. *SS/HP/CC.*

GEO 277 Geography of World Energy. 3 cr. An analysis of traditional and innovative energy resources. *SS.*

GEO 291 Geographic Field Study. 1-6 cr. For exceptional students in lieu of a regular course. Prereq: sophomore standing and cons. instr. *

GEO 297 Special Topics in Geography. 1-3 cr. The topics selected in this course will depend on student interest and special competencies of available staff. Prereq: cons. instr. *

GEO 299 Independent Study. 1-3 cr. Individual study under the supervision of an instructor. Prereq: cons. instr.

GEO 300 Population: World Survey. 3-4 cr. Contrasts in numbers, densities and qualities of population with emphasis on regional implication. Prereq: one semester of college work. *SS/CC.*

GEO 324 Middle East and North Africa. 3 cr. Description and analysis of the physical and cultural landscapes of the Middle East and North Africa. Prereq: one semester of college work. *SS/CC.*

GEO 341 The United States and Canada. 3 cr. Description and analysis of the physical and cultural landscapes of the United States and Canada. Prereq: one semester of college work. *SS/CC.*

GEO 342 Geography of Wisconsin. 3 cr. The geography of Wisconsin's natural and cultural landscapes with an emphasis on their sequential development and changing patterns of land use and settlement. Natural resources, population, land utilization and economic development of the state. Field trip. Prereq: one semester of college work. *SS/HP.*

GEO 347 Middle America. 3 cr. Description and analysis of the physical and cultural landscapes of Mexico, Central America and the West Indies. Prereq: one semester of college work. *SS/CC.*

GEO 348 South America. 3 cr. Description and analysis of the physical and cultural landscapes of South America. Prereq: One semester of college work. *SS/CC.*

GEO 349 Northwestern Europe. 3 cr. Description and analysis of the physical and cultural landscapes of Northwestern Europe. Includes the British Isles, Scandinavian countries, Low countries, France, Germany, Switzerland and Austria. Prereq: one semester of college work. *SS/CC.*

GEO 350 Environmental Conservation. 3 cr. Problems arising from human use of earth resources. Principles of management that make for a continuation of natural resource adequacy. Emphasis on the United States. Field trips. Prereq: one semester of college work. *SS.*

GEOLOGY

GLG 100 Survey of Geology. 3 cr. A brief study of minerals, rocks, fossils, geologic maps and the processes which create and modify the surface and subsurface features of the earth. Field trips. Not open to those who have had GLG 101, GEO 102. *NMS/NS.*

GLG 101 Physical Geology. 4-5 cr. An introduction to the study of the planet earth and its place in the universe; the processes in operation above, on and beneath its surface; and the relationship of people with the resulting geologic environment. Lab includes the study and classification of minerals and rocks, as well as the interpretation of topographic and geologic maps. Field trips. Not open to those who have had GLG 100. *NMS/NS/LS/SQ(102).*

GLG 102 Historical Geology. 4-5 cr. Physical history of the earth in relationship to the orderly development of life throughout geologic time. Lecture, lab and field trips. Prereq: GLG 101 or cons. instr. *NMS/NS/LS/SQ(101).*

GLG 104 Landscapes of North America. 3-4 cr. (Same as GEO 104.) A general survey of the characteristics and origins of major natural/physical regions of North America, with an emphasis on national parks and monuments and other public areas. *NMS/NS(if 4 cr. also LS).*

GLG 107 Introduction to Maps and Air Photos. 3-4 cr. (Same as GEO 107.) The use and interpretation of aerial photos and other forms of remote sensing and the basics of map reading, analysis and interpretation including a brief introduction to the principles of map design and construction. Emphasis on topographic and thematic maps and vertical air photos. *NMS/NS(if 4 cr. also LS).*

GLG 130 Geologic Methods I. 3 cr. The techniques used in investigating, identifying and classifying earth materials. Lab work with demonstrations. Field trips. *NMS/NS/LS.*

GLG 131 Geologic Methods II. 3 cr. Introduction to photogrammetry, use and interpretation of aerial photographs. Topographic and geologic maps, including application to historical geology. Lab and field trips. *NMS/NS/LS.*

GLG 135 Environmental Geology. 3 cr. Applications of the science of geology to problems resulting from our intense use of the earth and its resources. Field trip required. *NMS/NS.*

GLG 169 Earth Science and Human Environment. 4 cr. The physical environment and our interaction with it. Emphasis on earth processes which affect humans, such as rivers, erosion, groundwater, landslides and earthquakes. The impact of humans upon the environment. Air, water and soil pollution studied from a physical-chemical standpoint. The depletion of energy and mineral resources and the need for humans to design with nature. Lecture, lab and field trips. *NMS/NS/LS.*

GLG 291 Geological Field Studies. 1-6 cr. Formal classroom study of an area of geologic interest followed by field study of the area. May be taken for credit more than once. Prereq: cons. instr. *

GLG 297 Special Topics in Geology. 1-3 cr. The topic selected will depend on student interest and special competencies of available staff. Prereq: cons. instr. *

GLG 299 Independent Reading. 1-3 cr. For exceptional students in lieu of a regular course. May involve seminar presentation. May be taken more than once. Prereq: sophomore standing and cons. instr. *

GLG 301 Principles of Mineralogy. 4 cr. Minerals—their physical and chemical properties, crystallography, geologic significance and uses. Prereq: GLG 101 or GLG 102 and high school or college chemistry course. *NMS/NS/LS.*

GLG 302 Elementary Petrology. 4 cr. Study of igneous, sedimentary and metamorphic rocks, including classification, genesis, field identification and petrographic microscope study. Field trips. Prereq: GLG 301. *NMS/NS/LS.*

GLG 306 Gems and Precious Stones. 2 cr. The mineralogy and properties of gem minerals, as well as semi-precious and non-precious lapidary materials. Geologic origins, location and composition of specific minerals, why they are valuable and the several methods of bringing rough materials to a finished state. *NMS/NS.*

GLG 309 Geomorphology. 3 cr. Principles and analysis of geomorphic processes and resulting landforms. Field trip. Prereq: One of the following—GLG 100, GLG 101, GLG 135, GEO 120 or GEO 124. *NMS/NS.*

GLG 314 Geologic Field Methods. 3 cr. Theory and techniques of geologic mapping and field work. Theory and use of air photographs, aerial mosaics, altimeter, hand level, Brunton, Jacob staff, section measuring, alidade and transit. Lecture, lab and field trip. Prereq: GLG 102. *NMS/NS/LS.*

GLG 343 Glacial and Pleistocene Geology. 3 cr. Principles, characteristics and work of glaciers; events of the Pleistocene Period. Field trips. Prereq: One of the following—GLG 100, GLG 101, GLG 135, GEO 120 or GEO 124. *NMS/NS.*

GLG 350 Minerals as a Public Problem. 3 cr. Distribution of mineral resources, present and future problems of mineral supply, conservation of minerals and mineral resources in relation to national and international policy. Prereq: sophomore standing or cons. instr. *EL.*

GERMAN

The first four semesters of German may be offered as two modules, Part I and Part II, carrying two credits each. Part I is a prerequisite for Part II. It is expected that students will complete both modules. If only Part I is completed, elective credit will be granted. The student should consult with the transfer institution regarding the acceptance of single module credit.

GER 101 First Semester German. 4 cr. For students who have had no previous training in the language. Emphasis on reading, writing, listening and speaking in German. Classes also may include cultural studies of Germany and other German-speaking countries. Field trip may be required. *EL.*

GER 103 First Semester-Part I. 2 cr. For students who have had no previous training in the language. This course is the first module of a two-part introductory sequence. Emphasis on reading, writing, listening and speaking in German. Classes may include cultural studies of Germany and other German-speaking countries. Field trip may be required. No prerequisite. (This course in combination with GER 104 is equivalent to GER 101.) *EL.*

GER 104 First Semester-Part II. 2 cr. Continuation of GER 103 and second module of a two-part introductory sequence. Field trip may be required. Prereq: GER 103 or cons. instr. (This course in combination with GER 103 is equivalent to GER 101.) *EL.*

GER 105 Second Semester German. 4 cr. Continuation of GER 101 or GER 104. Field trip may be required. Prereq: GER 101 or GER 104 or cons. instr. *EL.*

GER 106 Second Semester-Part I. 2 cr. Continuation of GER 101 or GER 104. This is the first module of a two-part second-semester sequence. Field trip may be required. Prereq: GER 101 or GER 104 or cons. instr. (This course in combination with GER 107 is equivalent to GER 105.) *EL.*

GER 107 Second Semester-Part II. 2 cr. Continuation of GER 106 and second module of a two-part second-semester sequence. Field trip may be required. Prereq: GER 106 or cons. instr. (This course in combination with GER 106 is equivalent to GER 105.) *EL.*

GER 118 Practical Spoken German. 1-2 cr. Emphasis on the spoken language in everyday contexts. Not part of the sequence of required foreign language courses. Prereq: cons. instr. *EL.*

GER 119 Practical Spoken German. 1-2 cr. Continuation of GER 118. Not part of the sequence of required foreign language courses. Prereq: GER 118 or cons. instr. *EL.*

GER 201 Third Semester German. 4 cr. Reviews grammar taught during first two semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: GER 105 or GER 107 or cons. instr. *HFA/SQ (205).*

GER 203 Third Semester-Part I. 2 cr. This course is the first module of a two-part third-semester sequence. Reviews grammar taught during the first two (or four) semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: GER 105 or GER 107 or cons. instr. (This course in combination with GER 204 is equivalent to GER 201.) *HFA.*

GER 204 Third Semester-Part II. 2 cr. Continuation of GER 203 and second module of a two-part third-semester sequence. Field trip may be required. Prereq: GER 203 or cons. instr. (This course in combination with GER 203 is equivalent to GER 201.) *HFA.*

GER 205 Fourth Semester German. 4 cr. Continuation of GER 201 or GER 204. Reading, writing, audio/oral practice, cultural insights based on literary texts in German. Field trip may be required. Prereq: GER 201 or GER 204 or cons. instr. *HFA/PT/SQ (201).*

HISTORY

HIS 101 United States History to the Civil War. 3-4 cr. American political, economic and social development from the age of exploration and founding of the colonies to the Civil War. *SS/HP/SQ(102).*

HIS 102 History of the United States Since the Civil War. 3-4 cr. American political, economic and social development from the Civil War to the present. *SS/HP/SQ(101).*

HIS 105 History of Western Civilization. 3-4 cr. Survey of Western Civilization from ancient times through the Renaissance, emphasizing the distinctive features of Western culture, political development, economic development and the contributions made by non-Western people. *HFA/HP/SQ(106).*

HIS 106 History of Western Civilization. 3-4 cr. Survey of Western Civilization from the Renaissance to contemporary times, emphasizing the further development of Western culture, political institutions and economic institutions, including reference to the interaction among the peoples of the modern world. *HFA/HP/SQ(105).*

HIS 111 Ancient History. 3-4 cr. Survey of the history of civilization from the beginnings in Mesopotamia and Egypt through Classical Greece with emphasis on institutional and social development. *HFA/HP/SQ(112).*

HIS 112 Ancient History. 3-4 cr. Survey of the history of civilization from Alexander the Great through the fall of the Roman Empire with emphasis on institutional and social development. *HFA/HP/SQ(111).*

HIS 114 Modern Revolutions. 3 cr. An introduction to the study of history through the examination of revolutionary eras. Topics will include the American, French and Russian revolutions. *SS/HP.*

HIS 115 Medieval Europe. 3-4 cr. General introduction to the history of Europe, from the later Roman Empire to the end of the Middle Ages. *HFA/HP.*

HIS 118 The United States & Vietnam. 2-3 cr. An investigation of the war in Southeast Asia, 1945-1975, focusing on these topics: French colonialism, Vietnamese nationalism, American entry, the escalation of the American role, the debate on American policy, American withdrawal, conclusion of the fighting and long-term effects. *SS/HP/CC.*

HIS 119 The Making of Modern Europe. 3-4 cr. An introduction to the principal developments in the history of Europe from the Renaissance to the fall of Napoleon. *HFA/HP/SQ(120).*

HIS 120 Europe and the Modern World, 1815 to the Present. 3-4 cr. A general survey of the political, economic, social and cultural history of modern Western civilization. *HFA/HP/SQ(119).*

HIS 123 English History: England to 1688. 3-4 cr. General survey of the political, economic, social and cultural history of England from earliest historic times. *SS/HP/SQ(124).*

HIS 124 British History: 1688 to the Present. 3-4 cr. General survey of the political, economic, social and cultural history of Great Britain. *SS/HP/SQ(123).*

HIS 126 Twentieth Century Europe. 2-3 cr. Study of the major political, social and cultural developments of Europe since 1900. *SS/HP.*

HIS 127 The World in the Twentieth Century. 3-4 cr. Survey of the major trends in Europe, Asia, Africa and the Americas since 1900; the two world wars; the social and political revolutions of our time; Fascism and Communism; and the new states of Africa and Asia. *SS/HP/CC.*



1995-96 catalog addendum

Insert after page 41:

GER 206 Fourth Semester-Part I. 2 cr. Continuation of GER 201 or GER 204. This is the first module of a two-part fourth-semester sequence. Reading, writing, audio/oral practice, cultural insights based on literary texts in German. Field trip may be required. Prereq: GER 201 or GER 204 or cons. instr. (This course in combination with GER 207 is equivalent to GER 205.) HFA/PT.

GER 207 Fourth Semester-Part II. 2 cr. Continuation of GER 206 and second module of a two-part fourth-semester sequence. Field trip may be required. Prereq: GER 206 or cons. instr. (This course in combination with GER 206 is equivalent to GER 205.) HFA/PT.

GER 215 Elementary Conversation and Composition. 1-2 cr. May be taken concurrently with GER 201 or by itself. Stresses practical application of theory learned in 4-credit courses. Written and audio/oral exercises based on cultural, everyday topics. Carries no retroactive credit. Prereq: GER 105 or GER 107 or cons. instr. EL.

GER 216 Elementary Conversation and Composition. 1-2 cr. May be taken concurrently with GER 205. Carries no retroactive credit. Prereq: GER 215 or cons. instr. EL.

GER 221 Introduction to German Literature, Middle Ages to Eighteenth Century. 3 cr. Masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in German. Prereq: GER 205 or GER 207 or cons. instr. HFA/PT/SQ(222,223).

GER 222 Introduction to German Literature, Eighteenth and Nineteenth Centuries. 3 cr. Masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in German. Prereq: GER 205 or GER 207 or cons. instr. HFA/PT/SQ(221,223).

GER 223 Introduction to German Literature, Twentieth Century. 3 cr. Masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in German. Prereq: GER 205 or GER 207 or cons. instr. HFA/PT/SQ(221,222).

GER 225 Intermediate Conversation and Composition. 3 cr. Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: GER 205 or GER 207 or cons. instr. HFA/SQ(226).

GER 226 Intermediate Conversation and Composition. 3 cr. Continuation of GER 225. Prereq: GER 225 or cons. instr. HFA/SQ(225).

GER 276 Twentieth-Century German Literature in Translation. 3 cr. Concentration on 20th-Century fiction, drama and essays. Starts with confrontation between Friedrich Nietzsche and the Naturalists and includes major German authors such as Thomas Mann, Franz Kafka, Herman Hesse and Heinrich Boll. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in English. No knowledge of German necessary. No foreign language credit. HFA/PT.

GER 277 Special Topics in Literature in Translation. 2-3 cr. Treats various topics of German literature to be specified by instructor in campus timetable. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in English. No knowledge of German necessary. No foreign language credit. HFA/PT.

GER 291 Selected Topics in German. 2-3 cr. Cultural, literary or linguistic themes as specified in campus timetable. Prereq: GER 205 or GER 207 or cons. instr. *

GER 299 Intermediate Independent Reading. 1-3 cr. Individual student(s) assigned readings, reports and papers on topic determined by instructor. One-on-one meetings to be arranged. Prereq: GER 205 or GER 207 and cons. instr. *

Insert on page 43:

HIS 257 course description does *not* include the prerequisite statement "sophomore standing or cons instr."

Insert on page 49:

PHI 101 course title is "Introduction to Philosophy."

HIS 150 History of the Family. 3 cr. The pre-industrial family; the effect of industrialism, child rearing, courtship, adolescence, domestic life, old age, death and dying. Emphasis on American and/or European experience. *SS/HP.*

HIS 161 World History to 1500. 3 cr. A topical approach to the history of premodern humankind. Special attention will be given to the emergence, development and interaction of civilizations in Asia, Africa, Europe and the Americas. *HFA/HP/CC/SQ(162).*

HIS 162 World History since 1500. 3 cr. A topical history of global humankind with emphasis on the rise of the West to world dominance and the various ways in which the peoples of Africa, Asia and Latin America have responded to the Western challenge. *HFA/HP/CC/SQ(161).*

HIS 198 The Film as Social History. 2-3 cr. This course will focus on the feature and documentary films produced in a particular historical period or on a specific historical topic. Through viewing selected films, the student will gain a deeper understanding of the motion picture's significance as an historical document, as well as its function as a propaganda device. The course will relate the thematic content of the selected films to the specific historical context in which they were produced and consumed. *SS/HP.*

HIS 211 History of the American Frontier. 3 cr. American expansion focusing on the Turner hypothesis, land policy, territorial evolution, Indian policy, mining, lumbering and fishing frontiers, the cattleman's West, transportation and the literary uses of the West. *SS/HP/CC.*

HIS 213 Recent Latin America. 3 cr. Recent development of Hispanic and Portuguese America, emphasizing the evolution of independent states. *SS/HP/CC.*

HIS 215 History of the Mediterranean, 500-1650. 3 cr. The society and economy of the coastal regions of southern Europe, the Middle East and North Africa from the end of antiquity to the beginning of the modern era. Prereq: HIS 115 or cons. instr. *HFA/HP/CC.*

HIS 216 History of Modern Germany, 1815-Present. 3 cr. Political, social, economic and cultural development from the end of the Napoleonic wars, through the founding of the German Empire, World War I, the Weimar Republic, the Nazi era, World War II and the postwar period. Emphasis is on evolution of conservatism, liberalism, socialism and nationalism; the rise of Hitler and National Socialism; and the re-orientation of Germany after 1945. *SS/HP.*

HIS 219 History of the Soviet Union. 3 cr. A consideration of the major themes and personalities of Russian history since 1917. *SS/HP.*

HIS 222 Recent Chinese History. 3 cr. Western impact, social change and revolutions in twentieth century China, pre-1949. *SS/HP.*

HIS 240 Primary Sources in History. 3 cr. The study of specific historical topics through the use of primary sources. Includes exposure to techniques and problems of using and interpreting original sources. *SS/HP/PT.*

HIS 254 American Foreign Relations, 1763 to the Present. 3 cr. America's relations with the world, emphasizing the economic, political and ideological elements determining policy. *SS/HP.*

HIS 255 Proseminar in History. 3-4 cr. This course will explore a historical topic through readings, discussion and written assignments. *

HIS 256 Topics in History. 1-4 cr. This course will explore in depth an historical topic through lectures, discussions, readings and written assignments. *

HIS 257 Origins and History of World War II. 3 cr. Background and history of World War I. Problems of peacemaking and international organization, rise of Fascism, National Socialism and Japanese imperialism; breaking the peace; World War II. Prereq: sophomore standing or cons. instr. *SS/HP.*

HIS 259 History of Europe Since 1945. 3 cr. Political, social, economic and moral effects of the Nazi era, the Resistance and the Liberation; restoration and reconstruction; influence of the United States and the Soviet Union; capitalism, socialism and communism; the European unity movement and the Cold War; social and cultural changes; relations with Africa and Asia. *SS/HP.*

HIS 260 History of Technology. 3 cr. General survey of the development of technology from early humans to the advent of the Industrial Revolution with analyses of the relationship between science and technology and the interaction of Eastern and Western cultures. *SS/HP.*

HIS 270 American Business History. 3 cr. The role of business in American society from colonial times to the present. Changes in managerial practices within the firm and in relation to the larger community. Origins of American capitalism, appearance of corporate organization, work patterns, changing business ethics and their legal environment, government regulation and international trade. *SS/HP.*

HIS 273 Recent East Asian Economic Development. 3 cr. A survey of East Asian economic development in the Twentieth Century. Emphasis will be on contrasting the economic development of China and Japan and analyzing the economic impact of Western Europe and the United States on the region. *SS/HP/CC.*

HIS 274 Survey of Modern East Asian History. 3 cr. A survey of the modern intellectual, political, social and economic development of East Asia. Emphasis will be on the impact of modernization process on China and Japan and the influence of Western Europe and the United States on these changes. *SS/HP/CC.*

HIS 278 History of Minorities in America. 3 cr. This course will explore the role of ethnic, racial, religious and sexual groups in the history of the United States from the era of colonization to the present. Includes political, economic, social and cultural development. *SS/HP/CC/ES.*

HIS 280 History of the Great Lakes Region, 1600-1870. 3 cr. This course traces the development of the Great Lakes Region as a distinct physiographic, economic, political and cultural area in North America. The historical development of such an international region within the context of traditional nationalism and international rivalry, as well as its impact and influence within the respective nations. A frame of reference is provided for comparison with other regions within the North American milieu. *SS/HP/CC.*

HIS 283 Modern War and American Life. 3 cr. An investigation of the impact of the Civil War, World Wars I and II and the Cold War on American society. The home front will be emphasized, with attention to wartime politics and the wartime economy, civil liberties and the social effect of war. *SS/HP.*

HIS 285 Recent American History, 1917-1945. 3 cr. Political, social, economic and cultural changes in America during World War I, the Twenties, the Great Depression and World War II. *SS/HP/SQ(286).*

HIS 286 Recent American History, 1945-Present. 3 cr. A continuation of History 285 (1917-45). Origins and history of the Cold War, McCarthyism, the Fifties, the Civil Rights movement, the war in Indochina and Watergate and its aftermath. *SS/HP/SQ(285).*

HIS 288 Representative Americans. 3 cr. A biographical approach; evaluation of contributions of leading Americans to the nation's development. *SS/HP.*

HIS 289 Colonial and Revolutionary America, 1607-1789. 3 cr. The establishment and political, social and economic development of the English colonies in North America; origins and consequences of the American Revolution; and the establishment of the new nation. *SS/HP.*

HIS 290 History of Wisconsin. 3 cr. History of Wisconsin from the beginning of the historical period to the present, with emphasis on the economic and social aspects of Wisconsin history since 1815. *SS/HP.*



HIS 293 Civil War and Reconstruction. 3 cr. Analysis of slavery in the Old South, the anti-slavery movement, the conflict between the North and South (sectionalism), the significance of the Civil War, presidential and congressional reconstruction, the position of the freedmen in the South and postwar America. *SS/HP/PT.*

HIS 297 The United States, 1917 to the Present. 3 cr. Political, social, economic and cultural changes in America during World War I, the Twenties, the Age of the Great Depression, World War II, postwar America and the ripening Civil Rights movement. *SS/HP.*

HIS 299 Independent Studies. 1-3 cr. Extensive reading for the purpose of surveying the literature on a particular historical subject, possibly including a research project, under the personal supervision of the instructor. The subject matter is open, to be determined by the student and instructor. Students will be encouraged to use off-campus resources when available. Prereq: cons. instr. *

INTERDISCIPLINARY STUDIES

INT 100 Freshman Seminar. 1-3 cr. Course for entering freshmen. Consult campus timetable for description. Must be approved by UWC Curriculum Committee. *

INT 101 Introduction to Women's Studies. 3 cr. (Same as WOM 101.) An introduction to the major problems addressed by Women's Studies with an emphasis on the theoretical and methodological issues involved in gaining accurate knowledge about women. Literary, philosophical, historical and social science perspectives are used to understand the experience of women and the cultural construction of gender. *IST/CC.*

INT 105 Greek and Latin Origins of Medical and Scientific Terminology. 2-3 cr. The course is designed to acquaint students pursuing science and other majors with the origins of technical terms they are likely to encounter. *EL.*

INT 210 Nature and Culture: The Eighteenth Century. 3 cr. (Same as PHI 232). This course involves participants from several disciplines, representing the humanities, social sciences, fine arts and natural sciences. The course emphasizes philosophy, literature, art, science and technology in the eighteenth century. *IST/HP.*

INT 230 The Biological Revolution: Directing Our Destiny. 3 cr. (Same as PHI 230 and BIO 230). Combines significant elements from biology, philosophy and psychology. This course involves a multidisciplinary exploration of the ethical and practical implications of current developments and applications in the areas of molecular genetics, reproductive biology and sociobiology. *IST.*

INT 231 Feminism, Equality and Public Policy. 3 cr. (Same as WOM 231, PHI 231 and POL 231). This course involves a discussion and examination of the issues which generate public policy such as affirmative action, comparable worth, pornography, abortion, etc. from the viewpoint of philosophy and political science. *IST/CC.*

INT 290 Special Topics in Integrated Studies. 1-3 cr. Interdisciplinary courses involving major components and faculty from more than one breadth area. Must have a departmental sponsor, approval of UWC Curriculum Committee and endorsement of all departments involved. *

LECTURE (UNIVERSITY) FORUM

LEC 101 University Forum. 1 cr. A lecture-discussion course designed to introduce students to current problems and significant issues. Open to freshmen and sophomores. May be taken twice for a maximum of two credits. *

LEC 102 Library Methods. 1-2 cr. A course designed to assist students in the identification and use of library resources, to illustrate the organization of libraries within the academic setting and to acquaint the student in the use of books and libraries as sources of information in contemporary society. *EL*.

MATHEMATICS

For all courses which have a prerequisite, a grade of C- or better is required in the prerequisite course. In addition to the stated prerequisites, some campuses provide placement exams and recommend a satisfactory score for placement in certain courses.

In math, credits earned in course x taken after passing course y, for which x is a prerequisite, shall not count toward the associate degree requirements.

(See also Non-degree Credit Courses, p.60)

MAT 105 Introduction to College Algebra. 3-4 cr. Emphasizes algebraic techniques with polynomials, fractional expressions, exponents and radicals, linear and quadratic equations and inequalities. Introduction to functions, their graphs and analytic geometry. Prereq: A grade of C or better in Elementary Algebra and a high school geometry course or one year of high school algebra and one year of high school geometry or one year of high school algebra and concurrent registration in a geometry course or equivalent. *PR*.

MAT 110 College Algebra. 3 cr. Definition of function; linear and non-linear functions and graphs including logarithmic and exponential functions; systems of linear equations; theory of polynomial equations and optional topics such as mathematical induction, matrix solution of linear systems and Cramer's rule. Prereq: a course in plane geometry and one of the following: (a) a grade of C- or better in MAT 105, (b) two years of high school algebra, (c) course(s) equivalent to (a) or (b). *NMS/MS*.

MAT 113 Trigonometry. 2 cr. Trigonometric functions, their basic properties and graphs, identities, inverse trigonometric functions, solving trigonometric equations, solutions of triangles. Prereq: a course in plane geometry and one of the following: (a) a grade of C- or better in MAT 110 or equivalent; (b) concurrent registration in MAT 110. *NMS/MS*.

MAT 117 Elementary Statistics. 3 cr. The primary aim of the course is a basic understanding and use of statistical concepts and methods to facilitate study and research in other disciplines. Includes measures of central tendency, measures of variability, grouped data, the normal distribution, central limit theorem, hypothesis testing, estimation, T-distribution and chi square test. Prereq: a grade of C- or better in MAT 105 or equivalent. *NMS/MS*.

MAT 124 Pre-Calculus Mathematics. 5 cr. Functions and graphs, including linear, polynomial, logarithmic and exponential functions; complex numbers and theory of equations; binomial theorem; mathematical induction; trigonometric functions, their basic properties and graphs; identities; inverse trigonometric functions; solving trigonometric equations; de Moivre's theorem. Prereq: a grade of C- or better in MAT 105 or equivalent. Students may not earn more than five credits of any combination of MAT 110, MAT 113 and MAT 124. *NMS/MS*.

MAT 130 Mathematics for Elementary Teachers. 4 cr. A mathematics content course for prospective elementary teachers. Emphasis is on development of properties of arithmetic. Topics also may include elementary concepts of algebra, probability and statistics. Four hours lecture or three hours lecture and two hours laboratory per week. Prereq: a grade of C- or better in MAT 105 or two years of high school algebra and one year of high school geometry or cons. instr. *NMS/MS/SQ(132)*.

MAT 132 Geometry for Elementary Teachers. 4 cr. A continuation of MAT 130 with emphasis on geometric concepts. Topics also may include concepts of algebra, probability and statistics. Four hours lecture or three hours lecture and two hours laboratory per week. Prereq: high school algebra and geometry. *NMS/MS/SQ(130)*.

MAT 140 Survey of Mathematics. 3 cr. A course emphasizing the nature of mathematics, an appreciation of mathematical concepts and reasoning and the development of mathematical systems. It is not intended as preparation for other mathematics courses. *NMS/MS*.

MAT 210 Topics in Finite Mathematics. 3-4 cr. Matrices, linear programming and applications, probability, Markov chains and mathematics of finance. Prereq: a grade of C- or better in MAT 110 or MAT 124 or equivalent. *NMS/MS/SQ(211)*.

MAT 211 Calculus. 4-5 cr. Primarily for students in business, the social sciences and biological sciences who wish to acquire some knowledge of the techniques and applications of calculus. Topics include concepts, techniques and applications of differential and integral calculus including multivariate calculus. Students who are preparing to major in mathematics, engineering or physical sciences should enroll in the MAT 221, MAT 222 and MAT 223 sequence. Prereq: a grade of C- or better in MAT 110 or MAT 124 or equivalent. Students may not earn more than six credits by taking both MAT 211 and MAT 221. *NMS/MS/SQ(210)*.

MAT 220 Computer Illustrations of Calculus. 1 cr. This course uses computer techniques to analyze instructor-selected topics from calculus such as location of roots, approximation of function limits, approximation of $f'(x)$, location of extreme values, integral approximations and applications and polynomial series approximation of functions. Prereq: a grade of C- or better or concurrent enrollment in MAT 221 or MAT 211 or equivalent. May be taken for repeated credit with concurrent enrollment in MAT 222 or 223. *NMS/MS*.

MAT 221 Calculus and Analytic Geometry I. 5 cr. Analytic geometry, functions, limits and continuity, the derivative, integrals, techniques and applications of differentiation, applications of integration, logarithmic and exponential functions and trigonometric functions. Prereq: a grade of C- or better in MAT 124 or MAT 110 and MAT 113 or equivalent. Students may not earn more than six credits by taking both MAT 211 and MAT 221. *NMS/MS/SQ(222).*

MAT 222 Calculus and Analytic Geometry II. 5 cr. Continuation of 221. Techniques of integration, polar coordinates, conic sections, infinite series and vectors of two and three dimensions. Note: the order of topics covered in MAT 221 and MAT 222 may depend on the text used and the instructor. Prereq: a grade of C- or better in MAT 221. *NMS/MS/SQ(221 or 223).*

MAT 223 Calculus and Analytic Geometry III. 4-5 cr. Continuation of MAT 222. Analytic geometry of three dimensions, functions of several variables, partial differentiation, multiple integration and introduction to differential equations. Prereq: a grade of C- or better in MAT 222. *NMS/MS/SQ(222).*

MAT 224 Linear Mathematics. 4 cr. Introduction to linear algebra, vector spaces, matrices, linear transformations and eigenvalues. Ordinary differential equations and linear systems of differential equations. Laplace transforms. Prereq: a grade of C- or better in MAT 223 or equivalent. *NMS/MS.*

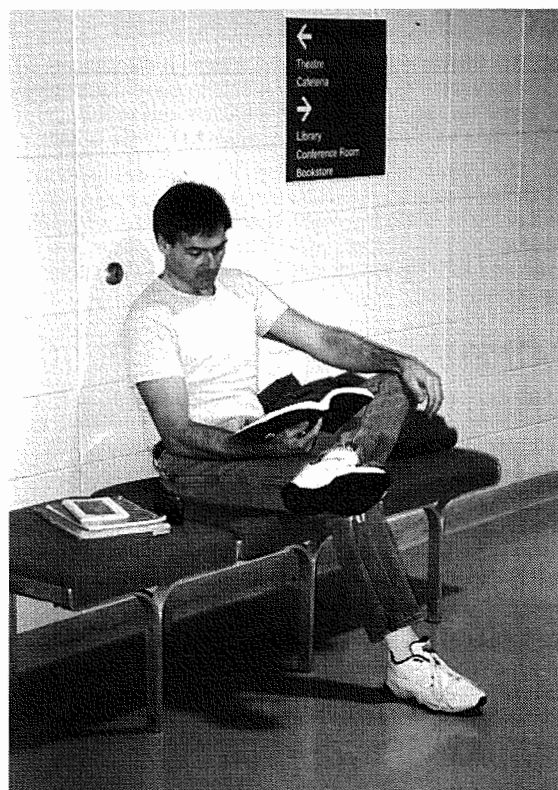
MAT 230 Discrete Mathematics. 3 cr. An introduction to discrete mathematics with emphasis on topics applicable to computer science. Topics include symbolic logic, sets and relations, induction and recursion, counting techniques, algorithm analysis, graphs and digraphs and Boolean algebra. Prereq: a grade of C- or better in MAT 113, MAT 124, MAT 211 or equivalent. *NMS/MS.*

MAT 240 Statistical Analysis. 3 cr. Elements of probability theory; collection and presentation of sample data; basic problems of statistical inference; applications, including quality control; regression; and hypothesis testing. Prereq: a grade of C- or better in MAT 211, MAT 221 or equivalent. *NMS/MS.*

MAT 262 Linear Algebra. 3 cr. Matrix algebra, linear systems of equations, vector spaces, subspaces, linear dependence, rank of matrices, determinants, linear transformations, eigenvalues and eigenvectors, diagonalization, inner products and orthogonal vectors and symmetric matrices. Prereq: a grade of C- or better in MAT 222. *NMS/MS.*

MAT 271 Ordinary Differential Equations. 3 cr. Review of ordinary differential equations of the first and second order, series solutions, higher order linear equations, the Wronskian, Laplace transform and applications, numerical methods, boundary value problems and Sturm-Liouville theory. Prereq: a grade of C- or better in MAT 223. *NMS/MS.*

MAT 272 Intro to Fourier Analysis. 1 cr. This course will acquaint engineering students with Fourier methods in solving differential equations. Emphasis is on input-output techniques and may involve further applications of Laplace transforms and other topics. Prereq: a grade of C- or better in MAT 223 and either MAT 271 or MAT 224 or MAT 223 and concurrent registration in MAT 271 or MAT 224. *NMS/MS.*



MAT 290 Special Topics in Mathematics. 1-3 cr. A course focusing on a selected topic or set of topics selected by the instructor to meet special needs and interests of students. Prereq: a grade of C- or better in MAT 124 or MAT 211 or equivalent and cons. instr.

MAT 299 Independent Reading in Mathematics. 1-3 cr. Prereq: Sophomore standing and cons. instr. *

METEOROLOGY

MLG 100 Weather and Climate. 2-4 cr. Introductory course in meteorology. Nature and causes of wind, clouds and precipitation; storm systems and fronts; thunderstorms, tornados and hurricanes; weather maps and forecasting. 2-3 cr. *NMS/NS(if 4 cr. also LS).*

MUSIC

MUS 070 Orchestra. 0-2 cr. Open to all students by try-out. *EL.*

MUS 071 Band. 0-2 cr. Open to all students with previous experience. *EL.*

MUS 072 Chorus. 0-2 cr. Open to all students. *EL.*

MUS 073 Swing Choir. 0-2 cr. Cons. instr. *EL.*

MUS 074 Jazz Ensemble. 0-2 cr. Cons. instr. *EL.*

MUS 075 Vocal Ensemble. 0-2 cr. Cons. instr. *EL.*

MUS 076 Woodwind Ensemble. 0-2 cr. Cons. instr. *EL.*

MUS 077 Brass Ensemble. 0-2 cr. Cons. instr. *EL*.

MUS 078 Percussion Ensemble. 0-2 cr. Cons. instr. *EL*.

MUS 079 String Ensemble. 0-2 cr. Cons. instr. *EL*.

MUS 107 Vocal Techniques. 2 cr. Theory and practice in fundamentals of singing. *EL*.

MUS 115 Woodwind Techniques. 2 cr. Flute, oboe and bassoon. *EL*.

MUS 121 Woodwind Techniques. 2 cr. Clarinet and saxophone. *EL*.

MUS 130 Brass Techniques. 2 cr. Trumpet and horn. *EL*.

MUS 131 Theory Fundamentals. 2 cr. Open to non-music majors and music majors or minors needing remedial work before enrolling in MUS 171. Study of basic notation, rhythm, intervals, scales and chords, sight-singing and ear-training. *EL*.

MUS 132 Theory Fundamentals. 2 cr. Continuation of MUS 131, with further study of basic fundamentals plus introduction to chord structure and part-writing, sight-singing and ear-training. Prereq: MUS 131 or cons. instr. *EL*.

MUS 136 Brass Techniques. 2 cr. Trombone, baritone and tuba. *EL*.

MUS 145 Percussion Techniques. 2 cr. *EL*.

MUS 147 String Techniques. 2 cr. Guitar. *EL*.

MUS 148 String Techniques. 2 cr. Violin and viola. *EL*.

MUS 154 String Techniques. 2 cr. Cello and string bass. *EL*.

MUS 160 Percussion Techniques. 2 cr. *EL*.

MUS 170 Fundamentals of Music. 3 cr. This course is designed to acquaint the student with the fundamentals of music through experiences with the keyboard, rhythm instruments, singing, listening, note reading and so forth. Required for elementary education majors and open to the general student. Not accepted as part of a music major or minor. *EL*.

MUS 171 Music Theory I. 4-5 cr. A detailed study of the development of Western Music through the study and analysis of structural techniques and basic compositional skills used in functional harmony. Includes sight-singing, ear-training and keyboard experiences. Open to all students with consent of instructor. Required of students planning a music major or minor. *EL*.

MUS 172 Music Theory I. 4-5 cr. Continuation of MUS 171. Prereq: Music 171. *EL*.

MUS 173 Music Literature and Appreciation. 3 cr. A guide to the understanding of music through listening experiences in the various styles and historical periods. *HFA/FA/SQ(174)*.

MUS 174 Music Literature and Appreciation. 3 cr. A guide to the understanding of music through listening experiences in the various musical styles and historical periods. Although a continuation of MUS 173, MUS 173 is not a prerequisite for admission to this course. *HFA/FA/SQ(173)*.

MUS 271 Music Theory II. 4-5 cr. A continuation of MUS 172 with an introduction to non-functional harmony and counterpoint. A continuation of sight-singing, ear-training and keyboard work. Prereq: MUS 172. *EL*.

MUS 272 Music Theory II. 4-5 cr. A continuation of MUS 271. Prereq: MUS 271. *EL*.

MUS 273 Jazz History and Appreciation. 2-3 cr. An introduction to the styles and form of jazz through a study of its history, literature, cultural influences and musical structure. Includes recorded listening experiences. *HFA/FA/HP/CC/ES*.

MUS 275 History of Western Music. 3 cr. A survey of the historical development of musical style and theoretical concepts from ancient Greece to 1750. Required of students planning a music major. Prereq: MUS 172 or cons. instr. *HFA/FA/HP/PT/SQ(276)*.

MUS 276 History of Western Music. 3 cr. A continuation of MUS 275 from 1750 to the present. Required of students planning a music major. Prereq: MUS 172 or cons. instr. *HFA/FA/HP/PT/SQ(275)*.

MUS 280 Conducting. 2 cr. Conducting techniques; emphasis on practical application to vocal and instrumental groups. *EL*.

MUS 281 Conducting. 2 cr. A continuation of MUS 280. *EL*.

MUS 295 Selected Studies. 0-3 cr. Single course offerings not listed in the catalog, reflecting individual campus interests. Prereq: cons. instr. *

MUS 299 Independent Study. 0-3 cr. Readings, papers, reports or projects to be determined by the instructor. Prereq: cons. instr. *

MUA 299 Independent Study. 0-3 cr. Recitals, musicals, opera, theater, opera workshops. *



MUSIC APPLIED CHART

All courses are considered electives.

(All applied music courses carry the prefix MUA)

	Beginning		Elementary		Credits	Intermediate		Credits
PIANO*	001	002	003	004	1-2	005	006	1-2
ORGAN	069	070			1	093	094	1-2
VOICE	007	008			1	009	010	1-2
GUITAR	011	012			1	013	014	1-2
FLUTE	015				1	016	017	1-2
OBOE	018				1	019	020	1-2
CLARINET	021				1	022	023	1-2
SAXOPHONE	024				1	025	026	1-2
BASSOON	027				1	028	029	1-2
HORN	030				1	031	032	1-2
TRUMPET OR CORNET	033				1	034	035	1-2
TROMBONE	036				1	037	038	1-2
BARITONE	039				1	040	041	1-2
TUBA	042				1	043	044	1-2
PERCUSSION	045				1	046	047	1-2
VIOLIN	048				1	049	050	1-2
VIOLA	051				1	052	053	1-2
CELLO	054				1	055	056	1-2
STRING BASS	057				1	058	059	1-2
HARP	060				1	061	062	1-2
RECORDER	063				1	064	065	1-2
HARPSICHORD	066				1	067	068	1-2

	1st Year		Credits	2nd Year		Credits	3rd Year		Credits
PIANO*	105	106	2	205	206	2	305	306	2
ORGAN	103	104	2	203	204	2			
VOICE	109	110	2	209	210	2			
GUITAR	113	114	2	213	214	2			
FLUTE	116	117	2	216	217	2			
OBOE	119	120	2	219	220	2			
CLARINET	122	123	2	222	223	2			
SAXOPHONE	125	126	2	225	226	2			
BASSOON	128	129	2	228	229	2			
HORN	131	132	2	231	232	2			
TRUMPET OR CORNET	134	135	2	234	235	2			
TROMBONE	137	138	2	237	238	2			
BARITONE	140	141	2	240	241	2			
TUBA	143	144	2	243	244	2			
PERCUSSION	146	147	2	246	247	2			
VIOLIN	149	150	2	249	250	2			
VIOLA	152	153	2	252	253	2			
CELLO	155	156	2	255	256	2			
STRING BASS	158	159	2	258	259	2			
HARP	161	162	2	261	262	2			
RECORDER	163	164	2	263	264	2			
HARPSICHORD	169	170	2	271	272	2			

*All Beginning and Elementary Applied Piano may be taught as a class or as private lessons.

NATURAL RESOURCES

NAT 170 Introduction to Natural Resources. 1 cr. Introduction to natural resources with emphasis on their integrated management and their role in humans' social and economic welfare. Lecture. *EL*.

PHILOSOPHY

PHI 101 Philosophy. 3 cr. An introduction to philosophy as the activity of clarifying ideas, developing positions and evaluating arguments on problems such as what is, what ought to be, freedom, God and knowledge. Some reference to positions of leading figures and schools of thought in the history of philosophy is usually involved. *HFA/PT*.

PHI 102 Social and Political Philosophy. 3 cr. Studies of differing philosophical views about humankind and its political and social life. *HFA/PT*.

PHI 103 Belief, Knowledge and Truth. 3 cr. Study of the grounds of rational belief and knowledge and the methods used for obtaining them, with particular emphasis on problems of evidence and truth. *HFA*.

PHI 106 Philosophy of Religion. 3 cr. An introduction to the problems inherent in defining the nature of religious experience and analyzing the concepts needed to explicate and communicate that experience, together with an analysis of various religious assumptions. *HFA*.

PHI 201 Asian Philosophy. 3 cr. An introduction to Asian philosophy through a study of opposing views about knowledge, nature, society and the individual. Areas of emphasis may include Chinese, Indian, Japanese and Muslim thought. *HFA/CC*.

PHI 202 Feminist Philosophy. 3 cr. (Same as WOM 202.) An introduction to feminist philosophies through a study and critique of traditional and feminist views about women, their lives, society and knowledge, with particular attention to theories of women's oppression. *HFA/CC*.

PHI 203 American Indian Philosophies. 3 cr. A study of philosophical aspects of American Indian world views and practices—including a study of myth, ritual and ceremony—with an emphasis on systems of knowledge, explanations of natural phenomena, social and life cycle philosophies and relations to nature. Attention will be given to historical and contemporary relations between American Indian and White cultures. *CC/ES/HFA/HP*.

PHI 210 Thinking Critically. 3 cr. Argument in familiar contexts; emphasis on improving the student's skills in making and evaluating arguments. *EL*.

PHI 211 Elementary Logic. 3 cr. Principles, standards and methods of distinguishing good reasoning from bad, as applied to deductive and inductive inferences. The course largely consists of substituting symbols for statements in arguments and understanding and assessing the logical structure of these arguments. May include a discussion of the nature and detection of fallacies and linguistic pitfalls affecting reasoning. *NMS/MS*.

PHI 220 Philosophy of Science. 3 cr. An introduction to the presuppositions underlying the natural and social sciences; their nature and function, the logic of scientific

method and analysis of basic concepts such as cause, probability, determinism and teleology. *HFA*.

PHI 226 Philosophical Ideas in Literature. 3 cr. A study of philosophical and moral ideas as embodied in selected works of literary art: aesthetic analysis of their structure and content. *HFA/PT*.

PHI 230 The Biological Revolution: Directing our Destiny. 3 cr. (Same as INT 230 and BIO 230.) Combines significant elements from biology, philosophy and psychology. This course involves a multidisciplinary exploration of the ethical and practical implications of current developments and applications in the areas of molecular genetics, reproductive biology and sociobiology. *IST*.

PHI 231 Feminism, Equality and Public Policy. 3 cr. (Same as WOM 231, POL 231 and INT 231.) This course involves a discussion and examination of the issues which generate public policy such as affirmative action, comparable worth, pornography, abortion, etc. from the viewpoint of philosophy and political science. *IST/CC*.

PHI 232 Nature and Culture: The Eighteenth Century. 3 cr. (Same as INT 210.) This course involves participants from several disciplines, representing the humanities, social sciences, fine arts and natural sciences. The course emphasizes philosophy, literature, art, science and technology in the eighteenth century. *IST/HP*.

PHI 240 Existentialism. 3 cr. An introduction to existential philosophy through critical examination of philosophical problems found in the writings of selected existential philosophers from Kierkegaard to the present. *HFA*.

PHI 241 Ethics. 3 cr. Nature of moral problems and of ethical theory, varieties of moral skepticism, practical ethics and the evaluation of social institutions. *HFA/PT*.

PHI 243 Business Ethics. 3 cr. Critical discussion of ethical reasoning and moral values in business and industry; includes relevant case studies and readings. *HFA*.

PHI 244 Environmental Ethics. 3 cr. Philosophical examination of both traditional and recent concepts and values which structure human attitudes towards the natural environment. *HFA/PT*.

PHI 248 Biomedical Ethics. 3 cr. Study of ethical issues pertaining to medicine and related biological sciences. Issues covered usually include abortion, euthanasia, truth telling, confidentiality, experimentation on human subjects, behavior modification, genetic engineering, criteria of death organ transplants, professional relationships and professional duties. *HFA/PT*.

PHI 253 Philosophy of the Arts. 3 cr. Examination of production, appreciation and criticism of works of art; sources and uses of standards. *HFA*.

PHI 258 Human Nature, Religion and Society. 3 cr. Study and critique of the views of theistic and secular writers concerning religion and its relationship to individual and social problems. *HFA/PT*.

PHI 291 Selected Topics in Philosophy. 3 cr. Each course offering must be approved by both the local campus and the chair of the department. Prereq: varies with each offering. *

PHI 299 Independent Reading in Philosophy. 1-3 cr. Program must be approved by chair of the department. Prereq: cons. instr. *

PHYSICAL EDUCATION AND ATHLETICS

Basic physical education open to all students; the courses develop skills, teach rules and prepare students for recreational enjoyment.

One credit courses. All courses are elective.

PED001	Archery
002	Badminton
005	Basketball
006	Beginning Bowling
007	Intermediate Bowling
008	Canoeing
009	Beginning Golf
010	Intermediate Golf
012	Handball & Paddleball
014	Softball
016	Beginning Tennis
017	Intermediate Tennis
018	Volleyball
019	Weight Training
021	Flag Football
022	Advanced Volleyball
024	Aerobic Dance
025	Ballet
026	Bicycling
027	Introduction to Conditioning
028	Advanced Conditioning
029	Modern Dance
030	Folk & Square Dance
031	Social Dance
032	Beginning Fencing
033	Intermediate Fencing
034	Apparatus Gymnastics
037	Judo
038	Roller Skating
039	Ice Hockey
040	Ice Skating
041	Beginning Skiing
042	Intermediate Skiing
043	Cross Country Skiing
044	Tumbling and Trampoline
046	Yoga-Relaxation
047	Backpacking
048	Orienteering
055	Beginning Swimming
056	Intermediate Swimming
058	Life Guard Training
061	Scuba Diving

Courses with emphasis on learning the skills, rules and teaching techniques. Primarily for students planning to major in physical education or related fields, but open to other students.

One credit courses. All courses are elective.

PED 101	Archery
102	Basketball Fundamentals
104	Badminton
105	Canoeing
106	Curling
107	Folk & Square Dance
108	Social Dance
109	Golf
110	Handball & Racquetball
111	Skiing
112	Skating
113	Beginning Swimming
114	Advanced Swimming
115	Volleyball
116	Tennis
117	Soccer
118	Weight Training
121	First Aid (Standard Instructor, American Red Cross)
123	CPR includes First Aid techniques for mouth-to-mouth breathing, cardiopulmonary resuscitation and care for an obstructed airway. Course objectives include early warning signs, proper response and prevention.



PED 124 Alcohol and Other Drugs: Awareness, Alternatives. 1 cr. The course will present up-to-date information on drugs and their abuse. Alternative activities such as fitness, stress management, moderation training and smoking cessation will be discussed. Opportunities for implementation of alternatives will be provided. *EL.*

PED 130-135. 1 cr. each. Officiating courses present a theoretical and practical approach to officiating athletic contests at various levels of competition. The mechanics of officiating, knowledge, interpretation of rules and field experience are integral parts of the courses.

- 130 Officiating Baseball/Softball**
- 131 Officiating Volleyball**
- 132 Officiating Basketball**
- 133 Officiating Football**
- 134 Officiating Soccer**
- 135 Officiating Gymnastics**

Professional Physical Education Courses for Majors & Minors

PED 201 Gymnastic Apparatus. 2 cr. Skill development, safety, spotting techniques and teaching progressions on gymnastic apparatus for students majoring in physical education and related fields. *EL.*

PED 202 Body Mechanics. 2 cr. Components of exercise structure; use of various pieces of equipment and apparatus in exercise; mechanics of movement and its application. *EL.*



PED 203 Introduction to Play and Recreation. 2 cr. Emphasizes design, leadership, programs and the administration of parks and playgrounds. *EL.*

PED 204 Principles of and Introduction to Physical Education. 2 cr. An overview of health education, physical education, intramurals, athletics and recreation; specialized areas in the various fields and the vocational opportunities offered in each; personal and professional qualifications of a physical educator with emphasis on establishing the role of physical education in society. *EL.*

PED 205 Prevention and Treatment of Athletic Injuries. 2 cr. Procedures and techniques in the prevention and care of common athletic injuries. Diagnosis, rehabilitation and the relationship of an athletic trainer to athletes, coaches and administrators. *EL.*

PED 206 Personal Health. 3 cr. Survey of the various aspects of health which affect both the individual and the community. Topics include drugs, smoking, alcohol, venereal disease, mental health and others. *EL.*

PED 207 Basketball Theory and Coaching. 2 cr. Theory and methods of teaching and coaching basketball. Skill analyses, practice schedules, rules and fundamentals of individual and team play are covered. *EL.*

PED 208 Developmental Activities for Children. 2 cr. The theory organization and teaching of developmental activities to elementary school children. Observation and practical teaching labs. *EL.*

PED 211 Physical Education for Elementary Schools. 2-3 cr. Thorough examination of elementary school curricula through field observation, teaching and participation in activities. Bases for planning curriculum for primary and elementary grades are developed through selective readings and discussions. *EL.*

PED 212 Tumbling, Trampoline and Floor Exercise. 2 cr. Skill development, safety, spotting techniques and teaching progressions in tumbling, trampoline and floor exercise for students majoring in physical education and related fields. *EL.*

PED 213 First Aid and Emergency Medical Care. 2-3 cr. Principles and procedures in emergency and home medical care designed to prepare the layperson for emergencies likely to be encountered in daily living. CPR certification is not awarded in PED 213. *EL.*

PED 214 Individual and Dual Sports. 2 cr. Theory and practice in golf, tennis and badminton. Emphasis on skill analysis and teaching technique. *EL.*

PED 216 Outdoor Education. 2 cr. An overview of the philosophy, resources, skills, methods and activities associated with the natural environment as a laboratory for the achievement of selected objectives of education. The emphasis is on participation and leadership situations in the outdoors. *EL.*

PED 217 Social Aspects of Sport. 3 cr. A course focusing on sport institutions as social organizations and how they function within a culture. Emphasis is placed on group structure and membership and group pressure, socialization, stratification and deviance as they apply to the sport's setting. Selected topics include sport in educational institutions, minorities and women in sport, sport as work and play and sport and the media. *EL.*

PED 220 Water Safety Instructor. 2 cr. Designed to train instructor candidates to teach American Red Cross water safety courses (not Lifeguard Training). Use of program materials, planning and conducting effective courses, evaluation of student progress and preparation and submission of accurate reports and records are included in the course. Students successfully completing the course will be ARC certified. EL.

PED 291 Special Topics in Physical Education. 1-3 cr. Course content must be approved by the local campus and the department chair. EL.

PED 299 Independent Study in Physical Education. 1-3 cr. Program must be approved by the department chair. EL.

PHYSICS

PHY 107 Ideas of Modern Physics. 3-4 cr. An introductory course for non-science majors, with particular emphasis on the development of modern theoretical concepts. Central topics: classical mechanics, electromagnetism, quantum theory, relativity theory; and some discussion of historical and philosophical aspects. May be offered without laboratory work for three credits or with laboratory for four credits. Check the local timetable for credits listed. Not open to those who have had one or more courses in college physics; does not apply toward engineering or physics majors or toward the physics requirements for pre-professional courses. Prereq: minimal mathematics preparation. *NMS/NS(if 4 cr. also LS).*

PHY 110 Physics for the Health Sciences. 3-4 cr. A descriptive introduction to those basic concepts of physics which have application to human health in general and to the medical and paramedical professions in particular. Primary attention will be paid to the physics of various functions of the human body (e.g., muscular and skeletal motions, the several senses and neural processes) and to the physics of commonly used instruments and equipment. Prereq: high school general science and algebra or cons. instr. *NMS/NS(if 4 cr. also LS).*

PHY 120 Physical Science. 3-4 cr. Selected topics from physics, geology and astronomy. Not intended for those planning to major in a physical science; does not fulfill the prerequisites for any more advanced courses. May be offered without a laboratory for three credits or with a laboratory for four credits. Not open to those who have had PHY 141, PHY 201 or equivalent. *NMS/NS(if 4 cr. also LS).*

PHY 141 General Physics. 4-5 cr. The study of mechanics, heat, wave motion and sound. Recommended for students majoring in business, elementary education, medical technology, pharmacy, pre-dentistry and pre-medical studies. Three hours of lecture and three hours of laboratory-discussion per week or equivalent. Prereq: competency at MAT 105 level. *NMS/NS/LS/SQ(142).*

PHY 142 General Physics. 4-5 cr. A continuation of Physics 141. Electricity, magnetism, light and atomic and nuclear physics. Three hours of lecture and three hours of laboratory-discussion per week or equivalent. Prereq: PHY 141. *NMS/NS/LS/SQ(141).*

PHY 201 General Physics. 5 cr. The study of mechanics, heat, wave motion and sound. Recommended for physical science and engineering majors. Three hours of lecture, one hour of discussion and three hours of laboratory per week or equivalent. Prereq: MAT 221 or concurrent registration with cons. instr. *NMS/NS/LS/SQ(202).*

PHY 202 General Physics. 5 cr. A continuation of Physics 201. Electricity, magnetism, light and nuclear physics. Prereq: PHY 201, concurrent registration in MAT 222 or cons. instr. *NMS/NS/LS/SQ(201).*

PHY 205 Modern Physics. 3 cr. Introduction to atomic, nuclear and solid state physics; kinetic theory; and quantum theory. Prereq: PHY 202 and cons. instr. *NMS/NS.*

PHY 211 General Physics. 4 cr. The study of mechanics, heat and thermodynamics. Recommended for physical science and engineering majors. Three hours of lecture and three hours of laboratory per week or equivalent. Prereq: concurrent registration in MAT 221. *NMS/NS/LS/SQ(212).*

PHY 212 General Physics. 4 cr. A continuation of Physics 211. Periodic motion, waves, electricity and magnetism. Three hours of lecture and three hours of laboratory per week or equivalent. Prereq: PHY 211 and concurrent registration in MAT 222. *NMS/NS/LS/SQ(211 or 213).*

PHY 213 General Physics. 4 cr. A continuation of Physics 212. Electromagnetic waves and atomic and nuclear physics. Three hours lecture and three hours of laboratory per week or equivalent. Prereq: PHY 212. *NMS/NS/LS/SQ(212).*

PHY 291 Topics in Physics. 1-3 cr. An extended coverage of one or more topics in physics such as environmental physics, energy, biophysics, mechanics, electricity and magnetism, electro-magnetic radiation, statistical physics, solid state physics, relativity, quantum mechanics and atomic and nuclear physics. Prereq: cons instr. *

PHY 299 Independent Study. 1-3 cr. Independent study under the supervision of an instructor. The work may, for example, consist of advanced laboratory investigation into a particular topic or library research and writing of a paper on some subject of interest. Prereq: cons. instr. *

PHYSIOLOGY

PHS 170 Human Anatomy and Physiology. 3 cr. (Same as ZOO 170.) This is a basic course which introduces the nonbiology major to the study of how the human body is organized. Through lecture and laboratory, the student studies the major organ systems of the human body and how its structure relates to function. Lecture, demonstration and lab. *NMS/NS/LS.*

PHS 202 Anatomy and Physiology. 4 cr. An examination of the structure and function of the human body at the molecular, cellular, tissue organ and system levels of organization. The integration of these levels of organization within the human organism is emphasized. This is the first semester of a two-semester sequence. Students with credit in PHS 202 and PHS 203 may not receive associate degree credit for PHS 235 and ZOO 234. Lecture and lab. *NMS/NS/LS/SQ(203).*

PHS 203 Anatomy and Physiology. 4 cr. An examination of the structure and function of the human body at the molecular, cellular, tissue organ and system levels of organization. The integration of these levels of organization within the human organism is emphasized. This is the second semester of a two-semester sequence. Students with credit in PHS 202 and PHS 203 may not receive associate degree credit for PHS 235 and ZOO 234. Lecture and lab. Prereq: Physiology 202. *NMS/NS/LS/SQ(202)*.

PHS 230 Human Anatomy and Physiology. 5 cr. A study of the fundamental principles of human structure and function with applications to health and disease. The course will explore all organ systems of the human body at various levels of organization from the cellular and sub-cellular to the organ system level. Lecture, discussion and lab. Prereq: ZOO 101 or equivalent; introductory chemistry recommended. *NMS/NS/LS/SQ(ZOO 101)*.

PHS 235 Human Physiology. 5 cr. An examination of the physiological processes of the human body. Students with credit in PHS 235 and ZOO 234 may not receive associate degree credit for PHS 202 and PHS 203. Lecture, discussion and lab. Prereq: introductory courses in CHE and BIO or cons. instr. *NMS/NS/LS/SQ(ZOO 234)*.

POLITICAL SCIENCE

POL 101 Introduction to Politics. 3 cr. A general introduction to political science, including basic concepts such as power, authority, legitimacy; types of political systems and approaches to the study of politics; problems common to all political systems. *SS*.

POL 104 American Government and Politics. 3 cr. Analysis of the decision-making structure and processes of American national government, including the role of parties and interest groups and the value preferences within American society which affect the formation of public policy. *SS/SQ(225)*.

POL 106 Comparative Politics of Major Nations. 3 cr. Analysis of the political systems of select major nations of the world, stressing comparison of cultures, institutions, processes and methods of comparative analysis. *SS/CC*.

POL 199 Current Issues in Politics. 1-2 cr. Examination of controversial and timely issues. *

POL 201 Introduction to Political Theory. 3 cr. What is the ideal in politics and government? A survey and analysis of ideas relating to political systems and values. Prereq: previous course in political science or cons. instr. *SS/HP/PT*.

POL 204 National, State and Local Government. 3 cr. This course provides an introductory overview of United States national, state and local governments through comparison and analysis of such topics as federalism, separation powers, participation and policies. Prereq: second semester freshman or cons. instr. *SS*.

POL 206 Politics of Developing Areas. 3 cr. A critical examination of developmental concepts and socio-economic and political problems of the Third World. Problems in development of new institutions. Elites and ideologies affecting stability, continuity and revolution. *SS/CC*.

POL 219 Public Policy. 3 cr. Major issues of public policy in fields such as economic management, welfare, health, education, energy, environment, agriculture, etc. How public problems develop, approaches to policy making, why programs succeed and fail. Students can repeat the course with different content. *SS*.

POL 220 Politics of Crime and Punishment. 3 cr. An introduction to public policy as it affects public order: crime, criminals, police behavior, the criminal courts, juvenile justice and prisons. This course includes an analysis and evaluation of existing reform proposals. *SS*.

POL 221 Juvenile Criminal Justice in Wisconsin. 3 cr. Survey of Wisconsin institutions which deal with youthful offenders; processes employed in disposal of cases; police and social welfare agencies; juvenile courts; constitutional law cases defining rights of the accused. Prereq: cons. instr. *SS*.

POL 225 State and Local Government. 3 cr. Organization, structure and function of state and local governments with emphasis on Wisconsin. Prereq: POL 104 or cons. instr. *SS/SQ(104)*.

POL 231 Feminism, Equality and Public Policy. 3 cr. (Same as PHI 231, INT 231 and WOM 231.) This course involves a discussion and examination of the issues which generate public policy such as affirmative action, comparable worth, pornography, abortion, etc. from the viewpoint of philosophy and political science. *IST/CC*.

POL 235 Politics of American Minorities. 3 cr. Examination and analysis of political and social aspirations and goals and the means of realizing them of American minority groups (e.g. Native American, African American, Hispanic, Asian or other) as they contend with the political and social institutions of the dominant culture. *SS/CC/ES*.

POL 275 International Politics. 3 cr. Analysis of cooperative and conflictual interactions of nation-states and the international system over time; contemporary political, economic and military issues in the world. *SS/HP/CC*.

POL 298 Special Topics. 3-4 cr. An umbrella course to be used for topics which would be appropriate for freshmen and sophomores. (The topic and number of credits will be footnoted whenever the course number is to be used.) This course can be repeated by students, but not with the same content. Prereq: previous course in political science or cons. instr. *

POL 299 Independent Reading. 1-3 cr. Extensive reading for the purpose of surveying the literature in a particular subject, possibly including a research project, under the personal supervision of the instructor. Subject open; to be determined by the student and instructor. Students may be encouraged to use off-campus library resources when available. Prereq: cons. instr. *

POL 308 American Presidency. 3 cr. The President as chief administrative leader, political leader, foreign policy initiator, commander-in-chief and head of state. Prereq: previous course in political science. *SS/HP*.

POL 352 Role of Government in the Economy. 3 cr. Examination of interaction of government and the economy; governmental activities affecting business such as policies of anti-trust, control of competitive practices, regulations, public expenditures, subsidies, transfer payments and public enterprise. Prereq: previous course in political science or economics or cons. instr. *SS/HP*.

POL 385 Politics of American Foreign Policy. 3 cr. An examination of U.S. foreign policies since 1945 with emphasis on the motives, the objectives, the methods, the policy-making process and the interaction between domestic and foreign policy. Prereq: previous course in political science or cons. instr. *SS/HP*.

PSYCHOLOGY

PSY 201 Introductory Psychology. 4 cr. Survey of major content areas in psychology. Includes topics such as research methodology, learning and memory, physiological psychology, sensation and perception, motivation and emotion, development, personality, psychopathology and social psychology. Students may not receive credit for both PSY 201 and PSY 202. *SS/SQ(250)/SQ(360)*.

PSY 202 Introductory Psychology. 3 cr. (See PSY 201 course description.) Students who have taken PSY 201 may not take this course for credit. *SS/SQ(250)/SQ(360)*.

PSY 203 Individuals and Institutions: Concepts/Experience I. 3 cr. Lecture/discussion presentation of concepts of human behavior will be related to concurrent experiences in community agencies—e.g., schools, social service departments and hospitals. Agency placements involve a minimum commitment of five hours per week and will provide some direct contact between the students and agency clients. Two hours of lecture and discussion will be required, with opportunity for additional individual discussion. Prereq: PSY 201 or PSY 202 or concurrent registration and cons. instr. *SS*.

PSY 205 Dynamics of Individual Behavior. 3 cr. Modes of functioning in normal individuals, strategies of adjustment to crisis situations, motivation, identity, frustration and conflict, including an overview of concepts of personality and psychopathology. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). *SS*.

PSY 208 Female and Male: Psychology of Gender. 3 cr. (Same as WOM 208.) The process and consequences of gender role development; review of current gender research and theory in the context of cultural, psychological, biological, historical and cross-cultural perspectives. The course focuses on female and male experience in this culture as it relates to issues such as cognition, value systems, achievement, interpersonal relationships, aggression and sexuality. Prereq: PSY 201 or PSY 202 (grade of C- or better) or cons. instr. *SS/CC*.

PSY 210 Psychological Statistics. 3 cr. An introduction to descriptive and inferential statistics. Topics include measures of central tendency, measures of variability, correlation and regression, sampling distributions, non-parametric and parametric hypothesis testing procedures for t-tests and analysis of variance. Prereq: PSY 201 or 202 or concurrent registration and introductory college algebra or exemption. *NMS/MS/SQ (225)*.

PSY 224 A Conceptual Introduction to Statistics. 1 cr. This course is designed specifically as a supplement to PSY 225 for students who have had no previous course in statistics. It is not a substitute for PSY 210 and does not satisfy requirements for an introductory course in statistics. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.) and concurrent registration in PSY 225. *EL*.

PSY 225 Experimental Psychology. 5 cr. Emphasis on research techniques and methodology; collection, analysis and reporting of psychological data. Lecture and laboratory. Prereq: PSY 210, equivalent statistics course or cons. instr. *SS/SQ(210)*.

PSY 250 Developmental Psychology: The Life Span. 3 cr. A survey of human development theories and research integrating the biological, cognitive, emotional and social development of the individual through all stages of the life span from the prenatal period through old age. Students may not receive credit for both PSY 250 and PSY 360 or PSY 361 or PSY 362. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). *SS/SQ(201/202)*.

PSY 254 Physiological Psychology. 3 cr. Discussion of the physiological substrates of movement, attention, emotion, motivation, learning, thinking and language; including an examination of research techniques using neural lesions, electrical and chemical stimulation. Some background in biology is strongly recommended. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). *NMS/NS*.



PSY 270 Psychological Approaches to Minority Issues.

3 cr. The use of psychological concepts, principles and research literature to enhance understanding of the experience of racial/ethnic minority groups in the United States. Course content will include topics such as: identity formation, prejudice and discrimination, developmental variations, family life and socialization and mental health issues. SS/PT/CC/ES.

PSY 299 Directed Study in Psychology. 1-3 cr. Extensive reading for the purpose of surveying the literature in a particular subject, possibly including a research project, under the personal supervision of the instructor. Prereq: PSY 201 or PSY 202 (grade of C- or better) and cons. instr. *

PSY 307 Psychology of Personality. 3 cr. Discussion of major theories and research in personality. Theories typically covered include psychoanalytic, dispositional, behavioral, cognitive and humanistic perspectives. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). SS.

PSY 309 Abnormal Psychology. 3 cr. A survey of contemporary theory and research on diagnostic categories, approaches to treatment and understanding of abnormal behavior. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). One additional course in psychology is recommended. SS.

PSY 311 Current Topics on Psychology. 1-3 cr. Specific topic to be announced in campus timetable. Prereq: PSY 201 or PSY 202 (grade of C- or better) or cons. instr. *

PSY 330 Social Psychology. 3 cr. Examination of theory and research in areas such as social cognition, attitude formation and change, attribution theory, attraction, group processes, conformity and compliance, aggression and pro- social behavior. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). SS.

PSY 360 Developmental Psychology: The Child. 3 cr. An examination of development from conception through adolescence. Topics include genetic influences; models of acquisition of learned behavior; and motor, perceptual, cognitive, language, emotional and social development. Students may not receive credit for both PSY 360 and PSY 250. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). SS/SQ(201 or 202, 362).

PSY 361 Developmental Psychology: Adolescence. 3 cr. Topics include physical development: the problems of adjustment which accompany and follow the physiological changes during puberty; intellectual, emotional and social behavior. Students may not receive credit for both PSY 361 and PSY 250. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). SS.

PSY 362 Developmental Psychology: Adulthood. 3 cr. Topics include physical, intellectual, personal and interpersonal development, with emphasis on adjustive responses to life challenges such as career choice, marriage, parenthood, aging and dying. Students may not receive credit for both PSY 362 and PSY 250. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.). SS/SQ(360).

SOCIOLOGY

SOC 101 Introduction to Sociology. 3 cr. Introduction to the basic concepts, theories and methods of sociology, emphasizing the significance of the self and culture, social process and organization and forces of social stability and change. SS/SQ (ANT 200) (SOC 130) (SOC 134).

SOC 120 Marriage and Family. 3 cr. Social science contributions to understanding processes of creating, maintaining and dissolving intimate relationships. SS.

SOC 125 American Society in the Contemporary World. 3 cr. Explores contemporary U.S. society in an international and comparative context. Focuses on social structure and institutions, cultural values, the forces of change and the web of relations among countries. SS/CC.

SOC 130 Contemporary Social Problems. 3 cr. Sociological analysis of selected issues and problems in society, with focus on personal and social causes, dimensions, consequences and solutions. SS/SQ (101) (131).

SOC 131 Crime and Criminal Justice. 3 cr. Introduction to the day-to-day functioning of the criminal justice system in the United States, the police, lawyers, courts and correctional personnel. Explores the nature of crime and reviews ideas about definitions, causes and solutions. SS/SQ (130).



SOC 134 American Minority Groups. 3 cr. The experience of American racial, religious, ethnic and nationality groups and the nature of intergroup relations in the United States. *SS/HP/CC/ES/SQ (101).*

SOC 138 Sociological Perspectives on Gender Roles. 3 cr. (Same as WOM 138.) A sociological examination of roles assigned to women and men in society, including the experiences of marriage, parenthood, employment and occupational attainment. Pays particular attention to gender role socialization and its cultural reinforcement, to patterns of gender relations and to ongoing changes. *SS/HP/CC.*

SOC 160 Sociology of Human Sexuality. 3 cr. Social, psychological and sociological aspects of sexual relationships and behavior, including the social psychology of physiological and emotional arousal, interpersonal attraction and societal regulation on intimate relationships. Concepts and findings in these areas are related to empirical data on sexual behavior, particularly in American society. *SS.*

SOC 170 Introduction to World Population. 3 cr. Determinants and consequences of population size and growth. Changing levels of birth rates and death rates and their future social and economic implications. Fertility regulations and population policies in countries at various stages of development. *SS/HP/CC.*

SOC 246 Juvenile Delinquency. 3 cr. Examination of theories on causes and prevention of delinquency; factors involved in delinquent behavior; extent of juvenile delinquency; types of treatment for the delinquent; and the role of the police, juvenile courts and correctional institutions in the control of delinquency. Prereq: sophomore standing or cons. instr. *SS/SQ(130)(131).*

SOC 250 People organizations and Society. 3 cr. Role of organizations, including business, governmental and educational, in American society. Impact of organizations on members and clients, the internal dynamics of organizations and the interchange between organizations and their environment, including the society as a whole. Prereq: sophomore standing. *SS.*

SOC 291 Selected Topics in Sociology. 1-3 cr. A specific topic in an instructor's area of special competence. When offered, the particular topic is indicated in the campus timetable. Prereq: sophomore standing and one course in sociology or cons. instr. *

SOC 293 Proseminar in Sociology. 1-3 cr. A specific topic in an instructor's area of special competence. When offered, the particular topic indicated in the campus timetable. Prereq: sophomore standing, an introductory sociology or anthropology course, one additional course in sociology and cons. instr. *

SOC 299 Independent Reading in Sociology. 1-3 cr. Prereq: sophomore standing and cons. instr. *

SOC 335 Introductory Social Psychology. 3 cr. Introduction to the general area of social psychology, covering topics such as motivation, attitude, value, communications, leadership, etc. Prereq: sophomore standing and either SOC 101, ANT 100, PSY 201 or 202 or cons. instr. *SS.*

SOC 357 Methods of Sociological Inquiry. 3 cr. Scientific methods and their application in the analysis of society, procedures in testing sociological theory, problem definition, hypothesis construction and collection and evaluation of data. Prereq: sophomore standing and an introductory sociology course or cons. instr. *SS.*

SPANISH

The first four semesters of Spanish may be offered as two modules, Part I and Part II, carrying two credits each. Part I is a prerequisite for Part II. It is expected that students will complete both modules. If only Part I is completed, elective credit will be granted. The student should consult with the transfer institution regarding the acceptance of single module credit.

SPA 101 First Semester Spanish. 4 cr. For students who have had no previous training in the language. Emphasis on reading, writing, listening and speaking in Spanish. Classes also may include cultural studies of Spain and Latin America. Field trip may be required. *EL.*

SPA 103 First Semester-Part I. 2 cr. For students who have had no previous training in the language. This course is the first module of a two-part introductory sequence. Emphasis on reading, writing, listening and speaking in Spanish. Classes may include cultural studies of Spain and Latin America. Field trip may be required. No prereq. (This course in combination with SPA 104 is equivalent to SPA 101.) *EL.*

SPA 104 First Semester-Part II. 2 cr. Continuation of SPA 103 and second module of a two-part introductory sequence. Field trip may be required. Prereq: SPA 103 or cons. instr. (This course in combination with SPA 103 is equivalent to SPA 101.) *EL.*

SPA 105 Second Semester Spanish. 4 cr. Continuation of SPA 101 or SPA 104. Field trip may be required. Prereq: SPA 101 or SPA 104 or cons. instr. *EL.*

SPA 106 Second Semester-Part I. 2 cr. Continuation of SPA 101 or SPA 104. This is the first module of a two-part second-semester sequence. Field trip may be required. Prereq: SPA 101 or SPA 104 or cons. instr. (This course in combination with SPA 107 is equivalent to SPA 105.) *EL.*

SPA 107 Second Semester-Part II. 2 cr. Continuation of SPA 106 and second module of a two-part second-semester sequence. Field trip may be required. Prereq: SPA 106 or cons. instr. (This course in combination with SPA 106 is equivalent to SPA 105.) *EL.*

SPA 118 Practical Spoken Spanish. 1-2 cr. Emphasis on the spoken language in everyday contexts. Not part of the sequence of required foreign language courses. Prereq: cons. instr. *EL.*

SPA 119 Practical Spoken Spanish. 1-2 cr. Continuation of SPA 118. Not part of the sequence of required foreign language courses. Prereq: SPA 118 or cons. instr. *EL.*

SPA 201 Third Semester Spanish. 4 cr. Reviews grammar taught during first two semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: SPA 105 or SPA 107 or cons. instr. *HFA/SQ (205).*

SPA 203 Third Semester-Part I. 2 cr. This course is the first module of a two-part third-semester sequence. Reviews grammar taught during the first two (or four) semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: SPA 105 or SPA 107 or cons. instr. (This course in combination with SPA 204 is equivalent to SPA 201.) *HFA.*

SPA 204 Third Semester-Part II. 2 cr. Continuation of SPA 203 and second module of a two-part third-semester sequence. Field trip may be required. Prereq: SPA 203 or cons. instr. (This course in combination with SPA 203 is equivalent to SPA 201.) *HFA.*

SPA 205 Fourth Semester Spanish. 4 cr. Continuation of SPA 201 or SPA 204. Reading, writing, audio/oral practice, cultural insights based on literary texts in Spanish. Field trip may be required. Prereq: SPA 201 or SPA 204 or cons. instr. *HFA/PT/SQ (201).*



SPA 206 Fourth Semester-Part I. 2 cr. Continuation of SPA 201 or SPA 204. This is the first module of a two-part fourth-semester sequence. Reading, writing, audio/oral practice, cultural insights based on literary texts in Spanish. Field trip may be required. Prereq: SPA 201 or SPA 204 or cons. instr. (This course in combination with SPA 207 is equivalent to SPA 205.) *HFA/PT.*

SPA 207 Fourth Semester-Part II. 2 cr. Continuation of SPA 206 and second module of a two-part fourth-semester sequence. Field trip may be required. Prereq: SPA 206 or cons. instr. (This course in combination with SPA 206 is equivalent to SPA 205.) *HFA/PT.*

SPA 215 Elementary Conversation and Composition. 1-2 cr. May be taken concurrently with SPA 201 or by itself. Stresses practical application of theory learned in 4-credit courses. Written and audio/oral exercises based on cultural, everyday topics. Carries no retroactive credit. Prereq: SPA 105 or SPA 107 or cons. instr. *EL.*

SPA 216 Elementary Conversation and Composition. 1-2 cr. May be taken concurrently with SPA 205. Carries no retroactive credit. Prereq: SPA 215 or cons. instr. *EL.*

SPA 219 Spanish for Business. 3 cr. Designed to acquaint the student with the vocabulary and practices of the business community. Oral and written practice in the preparation of letters and forms. Carries no retroactive credit for work completed in high school. Prereq: SPA 201 or SPA 204 or cons. instr. *EL.*

SPA 221 Introductory Survey of Peninsular Literature, Eighteenth to Twentieth Centuries. 3 cr. Modern masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in Spanish. Prereq: SPA 205 or SPA 207 or cons. instr. *HFA/PT/SQ(222).*

SPA 222 Introductory Survey of Peninsular Literature, Twelfth to Seventeenth Centuries. 3 cr. Masterpieces in fiction, drama, poetry and essay from the medieval period through the Golden Age. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in Spanish. Prereq: SPA 205 or SPA 207 or cons. instr. *HFA/PT/SQ(221).*

SPA 225 Intermediate Conversation and Composition. 3 cr. Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: SPA 205 or SPA 207 or cons. instr. *HFA/SQ(226).*

SPA 226 Intermediate Conversation and Composition. 3 cr. Continuation of SPA 225. Prereq: SPA 225 or cons. instr. *HFA/SQ(225).*

SPA 235 Spanish Culture and Civilization. 1-3 cr. Lectures and readings in English on the art, music, architecture, politics, economics and history of Spain from the Roman Empire to the present. No knowledge of Spanish required. No foreign language credit. *HFA.*

SPA 236 The Culture and Civilization of Latin America. 1-3 cr. Lectures and readings in English on the art, music, architecture, history and politics, as well as the social and economic problems of Latin-American countries from Pre-Columbian times to the present. No knowledge of Spanish required. No foreign language credit. *HFA*.

SPA 237 Chicano Literature. 3 cr. Lectures and readings in English of novels, plays and poetry written by Chicano authors. Focuses on cultural differences and alternatives in order to lead students to question previous stereotypes and to come to a new understanding of the Chicano struggle for identity. No knowledge of Spanish required. Prereq: ENG 102 or a grade of B or better in ENG 101. *HFA/CC/ES/PT*.

SPA 277 Special Topics in Literature in Translation. 2-3 cr. Treats various topics of Spanish or Latin-American literature to be specified by instructor in campus timetable. Lectures in literary history and criticism, exercises in interpretation, compositions oral presentations and class discussions in English. No knowledge of Spanish necessary. No foreign language credit. *HFA/PT*.

SPA 291 Selected Topics in Spanish. 2-3 cr. Cultural, literary or linguistic themes as specified in campus timetable. Prereq: SPA 205 or SPA 207 or cons. instr.*

SPA 299 Intermediate Independent Reading. 1-3 cr. Individual student(s) assigned readings, reports and papers on topic determined by instructor. One-on-one meetings to be arranged. Prereq: SPA 205 or SPA 207 and cons. instr. *

WILDLIFE

WIL 140 Introduction to Wildlife Resources. 3 cr. (Same as ZOO 140.) Wildlife resources of the United States; the importance of wildlife to our past and present economic and cultural life and selected problems in wildlife conservation. Lecture, lab and field trips. Prereq: introductory BIO course. *NMS/NS/LS*.

WOMEN'S STUDIES

WOM 101 An Introduction to Women's Studies. 3 cr. (Same as INT 101.) An introduction to the major problems addressed by women's studies with an emphasis on the theoretical and methodological issues involved in gaining accurate knowledge about women. Literary, philosophical, historical and social science perspectives are used to understand the experience of women and the cultural construction of gender. *IST/CC*.

WOM 138 Sociological Perspectives on Gender Roles. 3 cr. (Same as SOC 138.) A sociological examination of roles assigned to women and men in society, including the experiences of marriage, parenthood, employment and occupational attainment. Pays particular attention to gender role socialization and its cultural reinforcement, to patterns of gender relations and to ongoing changes. *SS/HP/CC*.

WOM 202 Feminist Philosophy. 3 cr. (Same as PHI 202.) An introduction to feminist philosophies through a study and critique of traditional and feminist views about women, their lives, society and knowledge, with particular attention to theories of women's oppression. Prereq: three credits in philosophy recommended but not required. *HFA/CC*.

WOM 208 Female and Male: Psychology of Gender. 3 cr. (Same as PSY 208.) The process and consequences of gender role development: review of current gender research and theory in the context of cultural, psychological, biological, historical and cross-cultural perspectives. This course focuses on female and male experience in this culture as it relates to issues such as cognition, value systems, achievement, interpersonal relationships, aggression and sexuality. Prereq: PSY 201 or PSY 202 (grade of C- or better) and/or cons. instr. *SS/CC*.

WOM 231 Feminism, Equality and Public Policy. 3 cr. (Same as PHI 231, POL 231 and INT 231.) This course involves a discussion and examination of the issues which generate public policy such as affirmative action, comparable worth, pornography, abortion, etc. from the viewpoint of philosophy and political science. *IST/CC*.

WOM 250 Women in Cross-Cultural Perspective. 3 cr. (Same as ANT 250.) Study of women in a variety of cultures around the world, both past and present. Includes consideration of the sexual division of labor, marriage systems, child rearing, relationships between men and women, systems of myth and ideology concerning women's roles and the effects of socio-economic development and rapid social change. *SS/HP/CC*.

WOM 291 Selected Topics in Women's Studies. 1-3 cr. Designed to focus in depth on a particular area of women's studies. Specific topic to be announced in campus timetable. Prereq: cons. instr. *

WOM 299 Independent Study in Women's Studies. 1-3 cr. Extensive reading for the purpose of surveying the literature in a particular area, possibly including a research project, under the personal supervision of the instructor. Prereq: cons. instr. *

ZOOLOGY

ZOO 101 Animal Biology. 5 cr. General biological principles—structure and function of cells, histology, embryology, heredity, ecology and evolution; survey of the animal kingdom; and structure and function of the vertebrate body. Lecture, discussion, lab and field trips. *NMS/NS/LS/SQ(PHS 230 or BOT 130)*.

ZOO 103 Human Environmental Biology. 3 cr. A contemporary study of the natural world through the human perspective. Emphasis on humans as a modifying force in the biophysical environment, including selected topics in ecological principles, pollution, population biology and environmental management. This course meets the statutory requirement for Conservation of Natural Resources required for State certification for teachers of science and social sciences. Lecture, lab and field trips. *NMS/NS/LS*.

ZOO 105 Introduction to Human Biology. 3 cr. Introduction to the development, nature and processes of human adaptability. Lecture. *NMS/NS*.

ZOO 140 Introduction to Wildlife Resources. 3 cr. (Same as WIL 140.) Wildlife resources of the United States; the importance of wildlife to our past and present economic and cultural life and selected problems in wildlife conservation. Lecture, lab and field trips. Prereq: Introductory BIO course. *NMS/NS/LS*.

ZOO 155 Biology of Human Sexuality and Reproduction. 3 cr. This course focuses on the biological aspects of human sexuality and reproduction. In addition, the following topics will be discussed from a biological perspective: birth control, sexually transmitted diseases, birth defects, abortion, differences between the sexes and the manipulation of the human reproductive process by science. Lecture, demonstration and discussion. *NMS/NS*.

ZOO 170 Human Anatomy and Physiology. 3 cr. (Same as PHS 170.) This is a basic course which introduces the nonbiology major to the study of how the human body is organized. Through lecture and laboratory, the student studies the major organ systems of the human body and how its structure relates to function. Lecture, demonstration and lab. *NMS/NS/LS*.

ZOO 234 Human Anatomy. 3 cr. A study of the fundamental structure and organization of the organs and systems of the human body. Lecture, demonstrations and lab. Students with credit in ZOO 234 and PHS 235 may not receive associate degree credit for PHS 202 and 203. Prereq: BIO course or cons. instr. *NMS/NS/LS/SQ(PHS 235)*.

ZOO 237 Vertebrate Biology. 4 cr. An introduction to the study of vertebrate animals considering their structure, evolution, ecology and special adaptation. Lecture, lab and field trips. Prereq: introductory BIO course. *NMS/NS/LS*.

ZOO 277 Ornithology. 3 cr. A course which introduces the student to the biology of birds and the methods of modern field studies, identification, life histories, ecology and behavior of birds, with emphasis on local species. Lecture, lab and field trips. Prereq: introductory BIO course. *NMS/NS/LS*.

ZOO 291 Special Topics in Zoology. 1-3 cr. (Same as BOT 291.) Designed to cover topics in biology not ordinarily covered in other classes. Prereq: cons. instr. *

ZOO 299 Reading and Research in Zoology. 1-3 cr. (Same as BAC/BOT 299.) Supervised undergraduate reading and research in biological sciences. This course is designed to acquaint the undergraduate with the literature and research techniques used in biological investigation and to give practical experience in scientific problem-solving. Prereq: cons. instr. *

ZOO 315 Conservation of Aquatic Resources: Limnology. 2 cr. General limnology; study of lake and stream communities and their conservation. Lecture and field trips. Prereq: introductory BIO course. *NMS/NS*.

ZOO 316 Laboratory Conservation of Aquatic Resources: Limnology. 2 cr. Biological, physical and chemical characteristics and their interrelationships in Wisconsin lakes and streams. Lab and field trips. Prereq: ZOO 315 or concurrent registration. *NMS/NS/LS*.

ZOO 350 Field Zoology. 3 cr. Designed to acquaint the student with the local fauna, emphasizing taxonomy. Field trips introduce the student to the methods of collecting local fauna providing the basis for the preparation and the identification of the specimens. Can be used by teachers or liberal arts students as a background course for advanced courses such as vertebrate ecology, fishery biology, wildlife management, entomology, forestry and agriculture. Lab and field trips. Prereq: introductory BIO course. *EL*.

NON-DEGREE CREDIT COURSES

English

ENG 095 Basics of Composition. 3 non-degree cr. A study of fundamental writing skills, including grammatical conventions, usage, sentence structure, paragraph development and the organization of short essays. This course is offered through a contractual arrangement with the local VTAE institution.

ENG 097 Basics of Composition. 3 non-degree cr. A study of fundamental writing skills, including grammatical conventions, usage, sentence structure, paragraph development and the organization of short essays. This course is offered by the campus TRIO/minority/disadvantaged program.

ENG 098 Basics of Composition. 3 non-degree cr. A study of fundamental writing skills, including grammatical conventions, usage, sentence structure, paragraph development and the organization of short essays.

Learning Resources

LEA 100 Grammar Skills. 1-3 non-degree cr. Designed to improve student understanding and use of written English, this course covers the principles and patterns of grammar and writing.

LEA 101 Speed and Efficiency in Reading. 1-3 non-degree cr. The aim of this course is to help the student develop the vocabulary and comprehension skills needed for studying college materials. The student learns to analyze challenging materials for immediate understanding and interpret it for long-term memory.

LEA 102 Learning Skills. 1-3 non-degree cr. This course is designed for the student who needs to develop generalized learning skills. Areas of study may include managing time, taking notes, reading and studying textbooks, reading comprehension, developing vocabulary organizing the research paper and making oral presentations.

LEA 103 Study Skills. 1-3 non-degree cr. This course is designed to aid students in learning effective study systems. The student also learns to use appropriate reading rates.

LEA 104 Career Planning & Preparation. 1-3 non-degree cr. This course will enable students to develop career goals and lay out a path for achieving these goals. Students will examine their personal interests, aptitudes, values, decision making skills, academic plans and career awareness. This personal, educational and occupational information will then be organized and translated into an individualized course of action. Integration of career goals with current and future college course work will be stressed.

LEA 105 Basic Math. 1-3 non-degree cr. Designed for students with minimum algebra background or who have been away from mathematics for several years. Subject areas to be covered include arithmetic of whole numbers, fraction and decimals and basic algebraic concepts.

LEA 106 English as a Second Language. 1-3 non-degree cr. A program dealing with English as a second language for students whose native language is not English. The program is designed to assist foreign students in improving their skills in spoken and written English for successful academic work at the university level. Prereq: for students who (1) are not native speakers of English and who (2) have studied English as a second language prior to being enrolled in the UW Centers.

Mathematics

MAT 081 Topics in Geometry. 1-3 non-degree cr. Designed for students who have not had high school geometry. Includes methods of proof, properties of simple plane figures, congruence and similarity. Course does not carry degree credit.

MAT 085 Topics in Geometry. 2-3 non-degree cr. Designed for students who have not had high school geometry. Includes methods of proof, properties of simple plane figures, congruence and similarity. This course is offered through a contractual arrangement with the local WTCS institution.

MAT 087 Topics in Geometry. 2-3 non-degree credits. Designed for students who have not had high school geometry. Includes methods of proof, properties of simple plane figures, congruence and similarity. This course is offered by the campus TRIO/minority/disadvantaged program.

MAT 090 Basic Mathematics. 2-3 non-degree cr. Designed for students with minimum algebra background or who have been away from mathematics for several years. Subject areas to be covered include arithmetic of whole numbers, fraction and decimals, ratios and percents and basic algebraic concepts. Prepares the student for MAT 091.

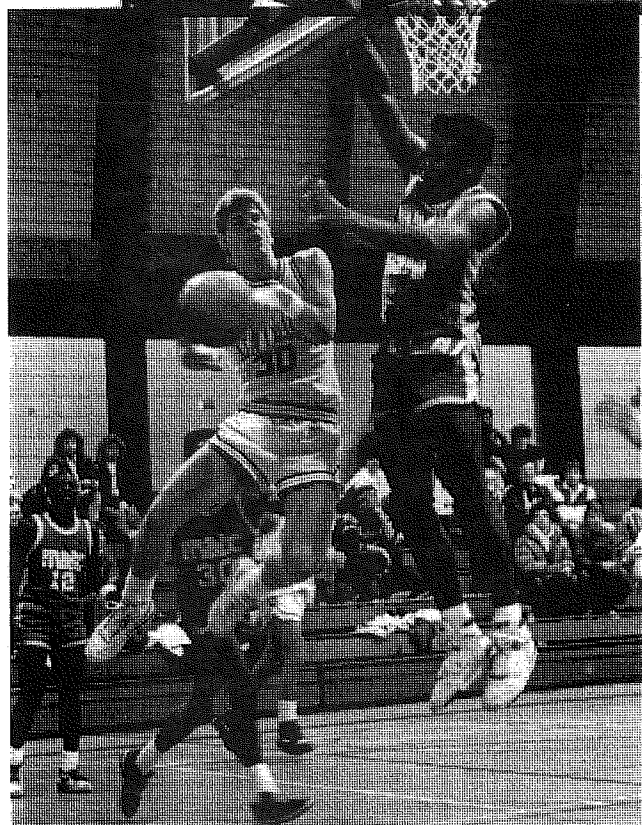
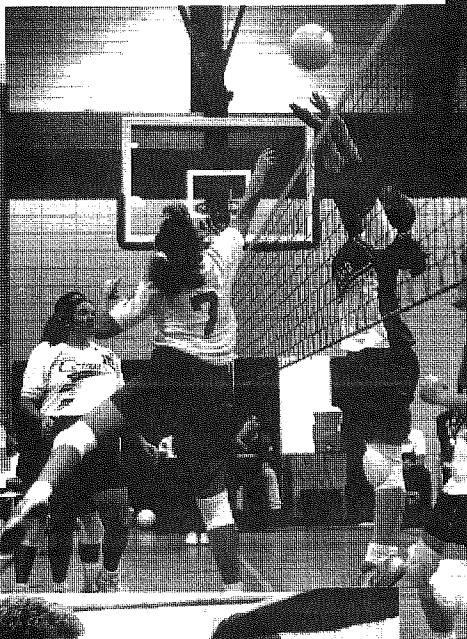
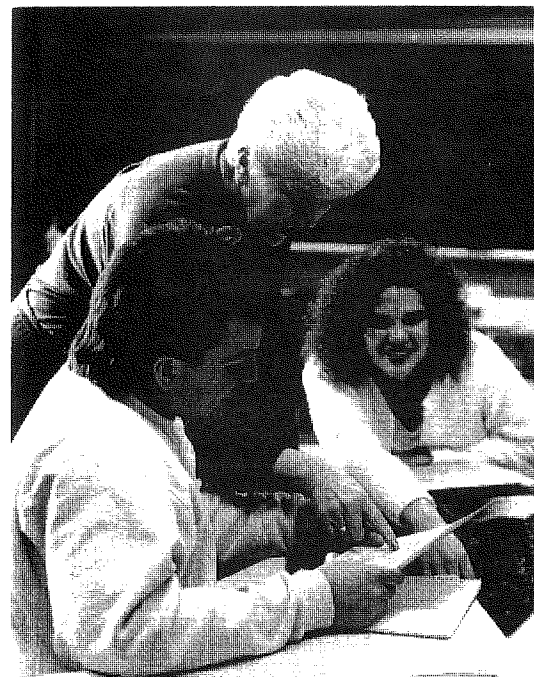
MAT 091 Elementary Algebra. 2-4 non-degree cr. Intended for students with little or no previous algebra. Topics include the real number system and operations with real numbers and algebraic expressions, linear equations and inequalities, polynomials, factoring and introduction to quadratic equations. Course does not carry degree credit.

MAT 092 Basic Mathematics. 2-3 non-degree cr. Designed for students with minimum algebra background or who have been away from mathematics for several years. Subject areas to be covered include arithmetic of whole numbers, fraction and decimals, ratios and percents and basic algebraic concepts. Prepares the student for MAT 095. This course is offered through a contractual arrangement with the local WTCS institution.

MAT 094 Basic Mathematics. 2-3 non-degree cr. Designed for students with minimum algebra background or who have been away from mathematics for several years. Subject areas to be covered include arithmetic of whole numbers, fraction and decimals, ratios and percents and basic algebraic concepts. Prepares the student for MAT 097. This course is offered by the campus TRIO/minority/disadvantaged program.

MAT 095 Elementary Algebra. 2-4 non-degree cr. Intended for students with little or no previous algebra. Topics include the real number system and operations with real numbers and algebraic expressions, linear equations and inequalities, polynomials, factoring and introduction to quadratic equations. This course is offered through a contractual arrangement with the local WTCS institution.

MAT 097 Elementary Algebra. 2-4 non-degree cr. Intended for students with little or no previous algebra. Topics include the real number system and operations with real numbers and algebraic expressions, linear equations and inequalities, polynomials, factoring and introduction to quadratic equations. This course is offered by the campus TRIO/minority/disadvantaged program.



UW Centers Campuses

Baraboo/Sauk County

Barron County

Fond du Lac

Fox Valley

Manitowoc County

Marathon County

Marinette County

Marshfield/Wood
County

Richland

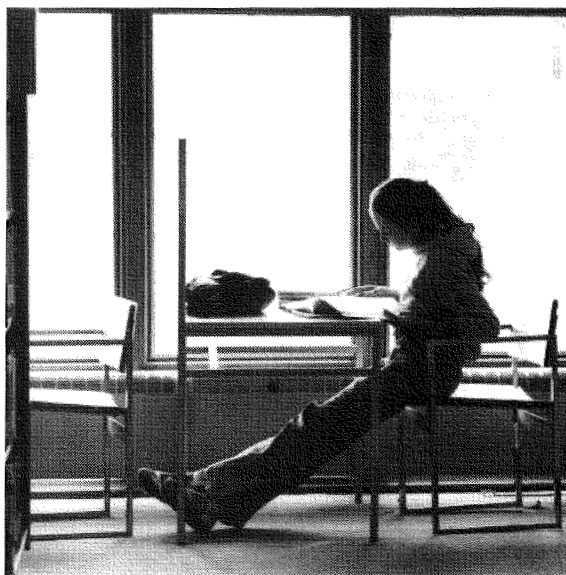
Rock County

Sheboygan County

Washington County

Waukesha County





University of Wisconsin Center **Baraboo/Sauk County**

Location

The University of Wisconsin Center-Baraboo/Sauk County campus is located on 68 scenic hillside acres on the northwest side of Baraboo.

Student body

In fall 1994, 591 students were enrolled, 65 percent of whom were ages 17-24 and 35 percent of whom were age 25 and older. The majority of students are commuters from Sauk, Columbia, Dane, Juneau and Adams counties but an increasing number become Baraboo residents for the academic year.

Facilities

Three buildings make up the campus physical plant. The Administration/Classroom Building houses classroom, administration and faculty offices, computer and natural science laboratories, art studios and greenhouse. The Student Center is the site of student recreational facilities, student government offices, Student Services, bookstore, cafeteria, theater, and music rooms. The Library-Learning Resources Center contains a 34,000-volume library that also is linked via computer to a statewide network of university and college libraries, quiet study areas, and additional classroom and faculty office space. Basketball and tennis courts, fitness and cross country ski trails, and softball and soccer fields provide outdoor recreational opportunities.

Special programs

Academic: In addition to the freshman/sophomore liberal arts and pre-professional academic programs, the campus offers adjunct course work for the associate degree/nursing program, associate degree program at the Federal Corrections Institution at Oxford, and graduate credit courses in education in cooperation with UW-La Crosse.

Scholarships: Friends of the Campus, Inc. Scholarship Program.

Extracurricular: Intramural and/or varsity competition in cross country, tennis, softball, volleyball, bowling. Campus Singers, Jazz Band, Student Association, Outdoor Club, Circle K Club, Photography Club, *The Gauntlet* student newspaper, and drama productions.

Community interest programs: Wide range of Continuing Education courses, Elderhostel, College for Kids, Campus-Community Theater Program, Civic Chorus, Community Band, Brass Ensemble, Duplicate Bridge Club, Baraboo Chess Club, and Baraboo Area Stamp Club.

Aural M. Umhoefer, Dean
Thomas A. Martin, Student Services Director

Student Services Office
1006 Connie Road
Baraboo, WI 53913-1098
608/356-8724

UWC-Baraboo/Sauk County Administration and support services

Umhoefer, Aural M. (1965)

Campus Dean
Director, Oxford College Program
B.A., Rosary College
M.L.S., University of Wisconsin-Madison

Alexander, George M. (1993)

Developmental Skills Specialist, Oxford College Program
B.A., St. John's University
M.A., University of Wisconsin-Madison

Bechtel, Donald L. (1966)

Developmental Skills Specialist, Oxford College Program
B.S., University of Wisconsin-La Crosse
M.A., University of South Dakota
M.A., University of Wisconsin-La Crosse
Ed.D., University of South Dakota

Bredeson, Jim (1989)

Director, Library Learning Resources Center
J.B.A., University of Wisconsin-Madison
M.L.S., University of Wisconsin-Madison

Colby, Marjorie (1990)

Developmental Skills Specialist, Oxford College Program
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Connick, Judith A. (1993)

Academic Advisor, Oxford College Program
B.L.S., University of Wisconsin-Oshkosh
M.S.E., University of Wisconsin-Oshkosh

Davidson, Robert J. (1982)

Director, Student Services, Oxford College Program
B.A., Milton College
M.A., California Polytechnic State University
Ph.D., University of Wisconsin-Madison

Duckworth, Karen M. (1993)

Associate Information Processing Consultant
A.S., UWC-Baraboo/Sauk County

Gerlach, Janice R. (1982)

Senior Student Services Specialist
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Geyer, Sidna (1990)

Outreach Program Manager II, Continuing Education
B.S., Ball State University
M.S., University of Wisconsin-Oshkosh
Ed.S., University of Wisconsin-Stout

Hart, Harlan A. (1990)

Academic Advisor, Oxford College Program
B.S., Southwest Missouri State University
M.S., University of Wisconsin-Stout

Martin, Thomas (1989)

Director, Student Services
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Raught, Linda (1968)

Business Manager

Schell, Mary A. (1987)

Developmental Skills Specialist, Oxford College Program
B.S., University of Minnesota
B.T., Mankato State University

Turner, Lori B. (1993)

Student Services Specialist
B.A., Luther College
M.S., Mankato State University

Vladick, Mark (1972)

Administrative Program Manager II,
Instructional Media Services
B.S., University of Wisconsin-Madison

Whitney, M. Jane (1990)

Administrative Specialist, Oxford College Program
B.A., Grinnell University

Williams, Sylvia R. (1994)

Administrative Program Manager I,
Public Information/University Relations
B.A., Concordia University Wisconsin

Wise, Patricia B. (1991)

Student Services Program Manager I, AODA Program
B.S., University of Wisconsin-Oshkosh
M.S., St. Cloud State University

Faculty

Cole, David W. (1965)

Professor, English
B.A., Oberlin College
M.A., Syracuse University
Ph.D., University of Wisconsin-Madison

Donner, Robert M. (1969)

Associate Professor, Computer Science/Physics
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Drennan, William R. (1981)

Professor, English
B.A., University of Florida
M.A., University of South Florida
Ph.D., University of South Florida

Duckworth, Bruce E. (1977)

Associate Professor, Business
B.S., Colorado State University
M.B.A., University of Minnesota

Dwyer, Helene (1982)

Associate Professor, Philosophy
B.A., College of White Plains
M.A., Fordham University
Ph.D., Fordham University

Eddy, Jennifer J. (1965)

Associate Professor, Chemistry
B.A., Bemidji State University
B.S., Bemidji State University
M.S., Bemidji State University

Etzwiler, David J. (1977)
Assistant Professor, Mathematics/Computer Science
B.A., Saint Joseph's College
M.A., University of Wisconsin-Madison

Floody, Dale R. (1978)
Associate Professor, Psychology
B.A., Saint John's University (Minnesota)
Ph.D., Rutgers State University

Grant, Kenneth B. (1978)
Professor, English
B.A., De Paul University
M.A., Marquette University
Ph.D., Marquette University

Kiesel, Diann S. (1981)
Assistant Professor, Geology/Geography
B.S., Bowling Green State University
M.A., Bowling Green State University

Kuhlmann, Annette I. (1994)
Assistant Professor, Sociology/Anthropology
Staatsexamen, Technische Universität
M.A., University of Kansas
Ph.D., University of Kansas

Phelps, Janet W. (1969)
Professor, Biological Sciences
B.A., Antioch College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Phelps, Laurence M. (1972)
Associate Professor, Biological Sciences
A.B., Carleton College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Robkin, Eugene E. (1975)
Assistant Professor, Mathematics
B.S., California Institute of Technology
M.A., University of California-Los Angeles
Ph.D., University of California-Los Angeles

Rundio, Stephen J., III (1976)
Associate Professor, Physical Education
A.B., Guilford College
M.Ed., University of North Carolina
Ed.D., University of North Carolina

Solomon, Isaac H. (1977)
Associate Professor, Mathematics
B.S., Rajasthan University, India
M.S., Jodhpur University, India
M.S., Marquette University
Ph.D., University of Wisconsin-Milwaukee

Stich, Gerald L. (1969)
Professor, Music
B.M., University of Wisconsin-Madison
M.M., University of Wisconsin-Madison

Waddell, Mark E. (1980)
Professor, Communication Arts
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Whitney, John A. (1969)
Professor, Art
B.A., Grinnell College
M.F.A., Rochester Institute of Technology

Wright, Madeleine F. (1969)
Professor, French
License-es-Lettres, University of France
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison



Mary H. Somers, Dean
Julie A. Mayrose, Student Services Director

Student Services Office
1800 College Drive
Rice Lake, WI 54868-2497
715/234-8024

University of Wisconsin Center

Barron County

Location

The University of Wisconsin Center-Barron County is located on 110 acres of land south of the city of Rice Lake, which is 60 miles north of Eau Claire and 120 miles northeast of Minneapolis/St. Paul.

Student body

In fall 1994, 493 students were enrolled, 21 percent of whom were age 25 or older. Students at UWC-BC come from northwest Wisconsin and beyond. Many come from towns such as Barron, Cumberland, Rice Lake, Spooner and Chetek.

Facilities

The seven buildings on campus are nestled on partially wooded land along the winding Red Cedar River. The main facilities are Meggers Hall (administration), Ritzinger Hall classrooms, Fine Arts Building, Library, Gymnasium, Student Center and the Physical Plant. Other educational and recreational facilities include the Observatory, Amphitheatre, exercise course, tennis courts, three-hole golf course, baseball diamonds and soccer field, as well as wetlands/prairie restoration and wildlife habitat study areas.

Special programs

Academic: An evening Associate Degree Program, observatory sessions, educational trips, tutoring services, Humanities Day, Service/Learning and Internship programs, Career Development Center and summer session.

Scholarships: A scholarship program sponsored by Barron County Campus Foundation.

Extracurricular: Intramural and varsity sports, forensics, Student Government Association, Math-Science Club, Phi Theta Kappa national honors fraternity, French Club, Unity Club, Encore (for returning adult students), Delta Psi Omega drama fraternity.

Community Interest Programs: Continuing Education courses, Small Business Development Center (satellite office), summer Kids' Kollege and Theater for the Talented, Fine Arts programs sponsored by Barron County Campus Foundation, theater, Communiversy Band, Communiversy Choir, and art gallery.

UWC-Barron County

Administration and support services

Somers, Mary Hayes (1988)

Campus Dean

B.A., City University of New York Hunter College

M.A., City University of New York Hunter College

Ph.D., City University of New York Graduate School
and University Center

Erpenbach, Michael L. (1994)

Student Services Program Manager

(Educational Opportunity Center)

B.S., St. John's University

M.S., University of Wisconsin-River Falls

Healy, Jeanne (1989)

Student Services Coordinator

B.S., University of Wisconsin-Madison

M.A., University of Wisconsin-Stout

Kapus, Jerry (1991)

Program Manager, Experimental Programs

B.A., Northwestern University

M.A., University of Illinois at Chicago

Ph.D., University of Illinois at Chicago

Lang, Barbara A. (1979)

Administrative Program Manager I, Public Information

Outreach Program Manager I, Continuing Education

Lee, Joyce C. (1994)

Library/Media Director

B.A., University of Wisconsin-Eau Claire

M.A., University of Wisconsin-Madison

Mayrose, Julie A. (1994)

Director, Student Services

B.A., Roanoke College

M.A., Oakland University

Ed.D., Drake University

Mofle, Susan E. (1983)

Developmental Skills Specialist

B.A., Augustana College

M.A., University of Wisconsin-Eau Claire

Nevala, Jon P. (1993)

Student Services Coordinator

B.S., University of Wisconsin-La Crosse

M.S., University of Wisconsin-La Crosse

Rogers, Michael D. (1988)

Business Manager

A.A., University of Wisconsin Center-Barron County

B.S., University of Wisconsin-River Falls

Faculty

Cooksey, Ben F. (1974)

Associate Professor, Biological Sciences

A.A., Northeastern Oklahoma A & M College

B.S., Pittsburgh State University (Kansas)

M.S., Pittsburgh State University (Kansas)

Ph.D., Kansas State University

Crisler, Dale F. (1966)

Associate Professor, Physics

B.S., University of Wisconsin-River Falls

M.S., Vanderbilt University

Ph.D., University of Wyoming

Grivna, Dennis (1969)

Associate Professor, Biological Sciences

B.S., University of Wisconsin-River Falls

M.S., University of Wisconsin-River Falls

Hasman, Robert H. (1972)

Associate Professor, English

B.S., University of Illinois at Urbana-Champaign

B.A., University of Illinois at Urbana-Champaign

M.A., University of Illinois at Urbana-Champaign

Hoelt, Mary E. (1971)

Associate Professor, French/Communication Arts

B.S., University of Wisconsin-Oshkosh

M.S.T., University of Wisconsin-Eau Claire

Koehler, Dennis P. (1991)

Assistant Professor, Business/Economics

B.S., University of Wisconsin-River Falls

B.S., University of Southern Colorado

M.B.A., University of Colorado at Colorado Springs

Komoto, Cary T. (1991)

Assistant Professor, Geography

B.S., University of Minnesota

M.A., University of Minnesota

Ph.D., University of Minnesota

Millevalte, Anthony (1994)

Assistant Professor, Chemistry

B.S., University of Wisconsin-Madison

M.S., University of Wisconsin-Madison

Ph.D., University of Wisconsin-Madison

Mofle, Lawrence D. (1982)

Assistant Professor, Mathematics

B.S., Augustana College

M.A., University of South Dakota

Pannier, James M. (1966)

Professor, Communication Arts

B.A., University of Wisconsin-Eau Claire

M.S., University of Wisconsin-Madison

Ed.D., Montana State University

Parker, Ronald F. (1969)

Associate Professor, Physical Education/Athletics

B.S., University of Wisconsin-La Crosse

M.S., Winona State University

Patrick, Sue C. (1990)

Assistant Professor, History

B.A., University of Texas at Austin

M.A., Texas Tech University

Ph.D., Indiana University

Ruedy, Donald H. (1969)

Professor, Art

B.S., University of Wisconsin-River Falls

M.F.A., University of Wisconsin-Madison

Schilling, David H. (1969)

Associate Professor, Mathematics/Computer Science
B.S., University of Wisconsin-Stevens Point
M.A., San Diego State University

Schmid, Karl N. (1967)

Associate Professor, Mathematics/Computer Science
B.S., University of Wisconsin-River Falls
M.S., Syracuse University

Thompson, Edward G. (1968)

Associate Professor, Music
B.S., University of Wisconsin-River Falls
M.S.T., University of Wisconsin-Superior

Tollefsrud-Anderson, Linda (1981)

Associate Professor, Psychology
B.S., University of North Dakota
Ph.D., University of Texas at Austin



University of Wisconsin Center

Fond du Lac

Location

The University of Wisconsin Center-Fond du Lac is located on 183 acres on the northeast side of Fond du Lac, north of East Johnson Street (Hwy. 23).

Student body

In fall 1994, 649 students were enrolled, 40 percent of whom were age 22 or older. Sixty-eight percent of students attend the campus on a full-time basis.

Facilities

The park-like campus is composed of six buildings that surround a two-acre lake. Facilities include classroom, science, and library-administration buildings; a student center; a physical education/music facility and a heating plant. Outdoor education, physical education and recreation facilities include a botanical laboratory, softball diamonds, an all-weather quarter-mile track and a soccer field. A prairie restoration project is in progress.

Special programs

Academic: Offerings include day and evening credit courses, visiting artist program, study skills workshops and a college success course. The campus' Outcomes Curriculum strives to ensure that students develop basic competencies. The Postsecondary Re-Entry Education Program (PREP) offers an associate degree program at Waupun Correctional Institution. The UW Centers' Library Processing Center is also located on campus.

Scholarships: UW Center-Fond du Lac Foundation offers a large number of academic scholarships, fine arts talentships, new freshmen and adult student scholarships. Local scholarships are also available.

Extracurricular: Phi Theta Kappa national community college honor society, Returning Adult Association, Ambassador's Club, literary magazine, theater program, band and vocal groups, student government, leadership conferences, intramural and varsity sports and personal and career seminars are all a part of campus life.

Community interest programs: Continuing Education courses, lectures and symposiums, town meetings on timely issues, Community/University Day, regional Science Fair, College for Kids, LEAPS, High School Quiz Bowl, High School Literary Award and Fine Arts performances are available to area residents.

Judy Goldsmith, Dean

John Coffin, Student Services Director

Student Services Office
400 Campus Drive
Fond du Lac, WI 54935-2998
414/929-3606

UWC-Fond du Lac

Administration and support services

Judy Goldsmith (1993)

Campus Dean

B.S., University of Wisconsin-Stevens Point

M.A., SUNY-Buffalo

Abbott, Daniel (1983)

Director, Student Services, PREP

B.A., Washington University

M.A., Washington University

Ph.D., University of Wisconsin-Madison

Clausen, Thomas H. (1974)

Administrative Program Manager I, Public Information

Administrative Program Manager II, Media Services

B.S., University of Wisconsin-Oshkosh

M.S., University of Wisconsin-Stout

Coffin, John E. (1993)

Director, Student Services

B.A., Western Illinois University

M.A., Governors State University

Koch, Paul G. (1969)

Director, Library

UW Centers Library Processing Center

B.S., University of Wisconsin-Madison

M.S., University of Wisconsin-Milwaukee

Krump, Marilyn J. (1988)

Business Manager

B.A., College of Saint Benedict

M.B.A., Edgewood College

Nicoud, Melisa (1985)

Associate Academic Librarian

Library Processing Center

B.A., New Mexico Highlands University

M.A.L.S., University of Wisconsin-Milwaukee

Niesen, Yvonne (1989)

Academic Librarian

UW Centers Library Processing Center

B.A., University of Wisconsin-Oshkosh

M.L.S., University of Arizona

Rediske, Cynthia (1988)

Associate Developmental Skills Specialist, PREP

B.S., Marian College of Fond du Lac

Faculty

Armstrong, George M. (1968)

Associate Professor, Biological Sciences

B.S., University of Wisconsin-Madison

M.N.S., University of Oklahoma

Ph.D., University of Oklahoma

Balthazor, Ellen M. (1969)

Assistant Professor, English

B.A., Saint Norbert College

M.A., Marquette University

Barisonzi, Judith A. (1976)

Associate Professor, English

B.A., Radcliffe College

M.A., University of Wisconsin-Madison

Ph.D., University of Wisconsin-Madison

Bolick, William A. (1965)

Assistant Professor, Psychology

B.A., University of Mississippi

M.A., University of Mississippi

Bowser, Joan M. (1969)

Assistant Professor, English

B.A., South Dakota State University

M.A., University of Wyoming

Dennis, Donald D. (1970)

Associate Professor, History

B.A., Westminster College

M.A., University of Utah

Ph.D., University of Utah

Griffiths, William P. (1968)

Associate Professor, Art

B.S., Western Michigan University

M.F.A., University of Wisconsin-Madison

Hayes, Elizabeth, (1968)

Associate Professor, Biological Sciences

B.A., Maryhurst College

M.S., Marquette University

Heil, John B. (1970)

Associate Professor, Physics

B.S., Beloit College

M.S., University of Wisconsin-Madison

Ph.D., University of Wisconsin-Madison

Hilfiger, John J. (1990)

Assistant Professor, Music

B.S., University of Rochester

M.S., Temple University

M.M., State University of New York at Binghamton

Ph.D., University of Iowa

Knar, Richard A. (1968)

Assistant Professor, Mathematics

B.S., University of Wisconsin-Eau Claire

M.S.T., Rutgers University

Kosted, Judith A. (1970)

Assistant Professor, Communication Arts

B.S., Southern Illinois University at Carbondale

M.S., Southern Illinois University at Carbondale

Ness, Harald M. (1969)

Associate Professor, Mathematics

B.S., University of Wisconsin-Superior

M.A., Central Michigan University

Nofz, Michael P. (1978)

Associate Professor, Sociology
B.A., University of Illinois at Chicago
M.A., Northern Illinois University
Ph.D., University of Illinois at Urbana-Champaign

Polodna, Carolyn R. (1990)

Assistant Professor, Business
B.S., University of Wisconsin-Parkside
M.S., University of Wisconsin-Whitewater

Rigterink, Roger J. (1973)

Professor, Philosophy
B.A., Carleton College
Ph.D., University of Wisconsin-Madison

Shaw, John G. (1967)

Assistant Professor, Mathematics
B.S., University of Wisconsin-Madison
M.S., University of Notre Dame

Wall, Roger (1978)

Assistant Professor, Political Science
B.A., Millikin University
M.A., University of Stockholm, Sweden
Ph.D., University of Stockholm, Sweden

Wifler, Carla J. (1974)

Associate Professor, Chemistry
B.S., University of Wisconsin-Oshkosh
M.S., Purdue University



University of Wisconsin Center

Fox Valley

Location

The University of Wisconsin Center-Fox Valley is located on a 41-acre campus in Menasha, three miles from the north shore of Lake Winnebago.

Student body

In fall 1994, 1,315 students were enrolled, 45 percent of whom are adult learners. There is a mix of full-time and part-time students.

Facilities

The campus' modern facilities include a fine arts gallery, planetarium, fine arts theater, art and music studios, fieldhouse, radio and television studios, and child care center. The campus also has a soccer field, tennis courts and natural areas.

Special programs

Academic: Evening courses, honors program, tutoring program, math and English preparatory courses, undergraduate research opportunities and career exploration services.

Scholarships: The UW Fox Cities Foundation annually awards up to 50 scholarships to new, continuing and transferring students.

Extracurricular: Student association, intramural and intercollegiate athletics, cheerleaders, campus newspaper, television productions, radio station, literary magazine, interest clubs (business, drama, English, political science, and nontraditional students), and a variety of other student activities.

Community interest programs: Continuing Education courses, Aaron Bohrod Fine Arts Gallery, drama productions, lecture and fine arts events, planetarium programs and music department concerts.

James W. Perry, Dean

Rhonda Uschan, Student Services Director

Student Services Office
P.O. Box 8002
1478 Midway Road
Menasha, WI 54952-8002
414/832-2620

UWC-Fox Valley Administration and support services

Perry, James W. (1993)
Campus Dean
Associate Professor, Biology
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Alderson, James M., Jr. (1988)
Student Services Specialist
B.A., University of Wisconsin-Oshkosh
M.F.A., Indiana University

Baur, James (1992)
Associate Information Processing Consultant

Boegh, Priscilla (1994)
Student Services Coordinator
B.A., University of Wisconsin-Stout
M.S., University of Wisconsin-La Crosse

Eagon, James B. (1980)
Business Manager
B.S., University of Wisconsin-Stevens Point

Eagon, Wendy (1983)
Director of Child Care
B.S., University of Wisconsin-La Crosse
M.S., University of Wisconsin-Oshkosh

Fogle, Jill M. (1986)
Recreation Specialist
B.S., University of Wisconsin-La Crosse

Frantz, Thomas E. (1981)
Administrative Program Manager I, Media Services
B.A., Thiel College
M.S., Clarion University of Pennsylvania

Gibas, Eugene A. (1984)
Outreach Program Manager II, Continuing Education
Associate Professor, UW-Extension
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Jensen, Jacqueline F. (1990)
Student Services Coordinator, Student Activities
B.S., University of Wisconsin-Green Bay
M.S., University of Wisconsin La Crosse

Kain-Breese, April L. (1978)
Director, Library
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Madison

Rabe, Carla (1994)
Student Services Coordinator
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Oshkosh

Rickert, Brenda J. (1984)
Senior Student Services Coordinator
B.S., University of Wisconsin-La Crosse
M.S., University of Wisconsin-La Crosse

Schultz, Maxwell D. (1986)
Administrative Program Manager I, Public Information
B.S., University of Wisconsin-Stout

Sevenich, Jennifer (1994)
Student Services Program Manager I - AODA
B.S., University of Wisconsin-La Crosse

Shaw, Jeremy (1991)
Administrative Program Manager I - Public Information
B.A., Shimer College
M.A., University of Iowa

Uschan, Rhonda S. (1988)
Director, Student Services
B.S., Kentucky State University
M.P.A., Kentucky State University

Wirth-Brock, Wendy (1994)
Associate Academic Librarian
B.A., University of Wisconsin-Milwaukee
M.L.S., University of Wisconsin-Milwaukee

Faculty

Allen, Malcolm D. (1990)
Assistant Professor, English
B.A., University of Lancaster, England
M.A., Louisiana State University
Ph.D., Pennsylvania State University

Anderson, Kenneth (1965)
Associate Professor, Communication Arts
B.S., Lawrence University
M.S., University of Wisconsin-Madison

Argyros, Ellen (1994)
Assistant Professor, English
B.A., Swarthmore College
M.A., Brandeis University
Ph.D., Brandeis University

Brey, James A. (1982)
Assistant Professor, Geology/Geography
A.A., University of Wisconsin Center-Sheboygan County
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Bultman, William J. (1991)
Assistant Professor, Computer Science
B.S., Marquette University
M.S., University of Illinois at Chicago
Ph.D., University of Illinois at Chicago

Collins, Michael (1975)
Assistant Professor, Sociology
B.S., Loyola University of Chicago
M.A., University of Notre Dame

Gazzola, Angelo C., Jr. (1981)
Associate Professor, Business/Economics
B.S., University of Wisconsin-Green Bay
M.S., University of Wisconsin-Oshkosh

Gunawardena, Chitra (1988)
Assistant Professor, Mathematics
B.S., University of Peradeniya, Sri Lanka
M.S., University of Peradeniya, Sri Lanka
Ph.D., Michigan State University

Hauxhurst, James (1976)
Associate Professor, Biological Sciences
B.A., University of California-Santa Barbara
M.A., University of California-Berkeley
Ph.D., University of California-San Diego

Hayes, Patrick (1976)
Associate Professor, Business/Economics
B.B.A., Eastern New Mexico University
M.B.A., Eastern New Mexico University

Hieser, Rex (1978)
Associate Professor, Psychology
B.S., Michigan State University
M.A., University of Iowa
Ph.D., University of Iowa

Hintz, Anne M. (1984)
Associate Professor, Foreign Languages
B.A., College of Mount Saint Vincent
Ph.D., Yale University

Hrubesky, Donald (1973)
Professor, English
B.A., Saint Norbert College
Ph.D., Kansas State University

Jordahl, David (1981)
Assistant Professor, Music
B.Mus.Ed., Gustavus Adolphus College
M.A., University of Iowa

Keepers, Jerry (1969)
Assistant Professor, Mathematics
B.S., University of Wisconsin-Oshkosh
M.S., Brown University
M.S., University of Wisconsin-Milwaukee

Mason, Carol (1960)
Professor, Anthropology
B.A., Florida State University
M.A., University of Michigan-Ann Arbor
Ph.D., University of Michigan-Ann Arbor

McLaren, Theda B. (1977)
Assistant Professor, Communication Arts
B.A., Beloit College
M.A., University of Montana

Miller, Michael (1989)
Assistant Professor, Business
B.S., The Ohio State University
M.B.A., Bowling Green State University

Minock, Michael (1971)
Professor Emeritus, Biological Sciences
B.A., Stanford University
M.A., University of California-Northridge
M.S., University of Nebraska-Omaha
Ph.D., Utah State University

Nyman, Terry (1976)
Associate Professor, Mathematics
B.A., Western Michigan University
M.A., Western Michigan University
Ph.D., University of Massachusetts at Amherst

O'Brien, Michael (1972)
Professor, History
B.A., University of Notre Dame
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Potash, Marc (1977)
Associate Professor, Psychology
B.A., Utica College of Syracuse University
M.A., Western Kentucky University
M.A., Carleton University
Ph.D., Carleton University

Putman, Daniel (1976)
Professor, Philosophy
B.A., Marquette University
Ph.D., University of Southern California

Sharma, Virendra (1969)
Professor, Physics/Astronomy
B.S., Agra University, India
M.S., Agra University, India
Ph.D., Colorado State University

Spencer, Michael (1971)
Associate Professor, Physical Education
B.S., University of Wisconsin-La Crosse
M.S., University of California-Los Angeles

Stahl, Neil (1969)
Associate Professor, Mathematics
B.A., Indiana University
Ph.D., Brown University

Varma, Badri (1983)
Associate Professor, Mathematics
M.Sc., Aligarh Muslim University, India
Ph.D., Simon Fraser University, Canada

Watt, Jerald (1981)
Associate Professor, Engineering
B.S., Michigan Technological University
M.S., University of Southern California
Ph.D., Michigan Technological University

White, Larry (1969)
Associate Professor, Political Science
A.A., Independence Community College (Kansas)
B.S.Ed., Pittsburg State University (Kansas)
M.S., Pittsburg State University (Kansas)
D.A., Idaho State University

Zetzman, Franklin K. (1989)
Assistant Professor, Art
B.F.A., University of Wisconsin-Eau Claire
M.F.A., University of Wisconsin-Madison

Zimmerman, Lynda (1974)
Assistant Professor, Music
B.M.E., University of Wisconsin-Eau Claire
M.M., East Texas State University



University of Wisconsin Center

Manitowoc County

Location

The University of Wisconsin Center-Manitowoc County is located on the southeastern edge of Manitowoc. The 40-acre campus is bound by Lake Michigan on the east and a 78-acre wooded park on the south.

Student body

In fall 1994, 509 students were enrolled. A significant percent are 25 years old or older. Both full-time and part-time students are enrolled. Students from every high school in Manitowoc County attend UWC-MC, as do students from Brown, Calumet, Door, Kewaunee, Oconto and Sheboygan counties.

Facilities

Two large multi-purpose buildings connected by an enclosed second floor walkway make up the campus. East Hall houses classrooms, a lecture hall, fine arts room, art gallery, library, bookstore, science labs, weight room, greenhouse, cafeteria-lounge and offices. West Hall includes a physical education facility, computer lab, geography/geology lab, music rehearsal rooms, child care service, classrooms and faculty offices. The grounds include a weather station, sand volleyball court, fire pit and play area for the child care service.

Special programs

Academic: Evening associate degree program, AODA program, remedial mathematics and English, and a student tutoring service, a math and writing lab and a computerized Transfer Information System.

Scholarships: Numerous community and UWC-Manitowoc County Foundation scholarships are available for new and returning students.

Extracurricular: Newspaper, student senate, UWC-Manitowoc County Ambassadors, non-traditional student association, business club, and intramural and varsity sports.

Community interest programs: Continuing Education courses, College for Kids, Upward Bound Program, campus/community band, chorus and theater, jazz ensemble, art exhibits in the East Hall Gallery and a speakers bureau.

Roland A. Baldwin, Dean
Michael A. Herrity, Student Services Director

Student Services Office
705 Viebahn Street
Manitowoc, WI 54220-6699
414/683-4707

UWC-Manitowoc County

Administration and support services

Baldwin, Roland A. (1984)

Campus Dean
B.A., Brigham Young University
M.A., Brigham Young University
Ph.D., University of Wisconsin-Madison

Bjerke, Robert A. (1973)

Director, Library
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
M.A., University of Minnesota-Twin Cities
Ph.D., University of Wisconsin-Madison

Harrison, Nancy R. (1990)

Program Manager I, Upward Bound
B.S., University of Wisconsin-Stout
M.S., University of Wisconsin-Milwaukee

Herrity, Michael A. (1987)

Director, Student Services
B.S., University of Iowa
M.A., University of Northern Iowa
Ed.D., Oklahoma State University

Lamberg, Laurie A. (1990)

Advisor, Upward Bound
B.A., Carroll College

Mueller, Walter C. (1992)

Associate Information Processing Consultant
A.S., University of Wisconsin Center-Manitowoc County
B.S., University of Wisconsin-Green Bay

Palmer, Kathleen M. (1990)

Outreach Program Manager I, Continuing Education
B.S., Mankato State University

Peters, Bruce D. (1980)

Business Manager
B.S., University of Wisconsin-Stevens Point

Pfeffer, Jane L. (1982)

Administrative Program Manager I, Public Information
B.A., Regis College

Skubal, Susanne M. (1976)

Senior Student Services Coordinator
B.A., University of Wisconsin-Milwaukee
M.A., University of Wisconsin-Milwaukee

Faculty

Arendt, Michael J. (1971)

Professor, Music
B.M., Saint Norbert College
M.M., Wichita State University

Ball, Neil M. (1968)

Associate Professor, Chemistry
B.S., University of New Hampshire
M.S., University of New Hampshire
Ph.D., University of Wisconsin-Madison

Corrado, Lawrence C. (1969)

Associate Professor,
Physics/Engineering/Computer Science
B.S., De Paul University
M.S., Arizona State University
Ph.D., Arizona State University

Crowley, Maureen E. (1989)

Assistant Professor, Psychology
B.A., Rutgers University
M.S., Purdue University
Ph.D., Purdue University

Demmon, William E. (1970)

Assistant Professor, Mathematics
B.S., South Dakota School of Mines and Technology
M.S., South Dakota School of Mines and Technology

Domin, Daniel S. (1993)

Assistant Professor, Chemistry
B.S., Illinois Benedictine College
M.S., Purdue University
Ph.D., Purdue University

Emmett, Paul J. (1978)

Associate Professor, English
B.S., Loyola University
M.S., Illinois Institute of Technology
M.A., Loyola University
Ph.D., University of Chicago

Flannery, Richard F. (1978)

Professor, Political Science
A.B., Syracuse University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Graetz, Kenneth R. (1974)

Associate Professor, Art
B.S., University of Wisconsin-Milwaukee
B.S., University of Wisconsin-Milwaukee
M.F.A., University of Wisconsin-Milwaukee

Gratz, David K. (1978)

Associate Professor, English
B.A., Wesleyan University
M.A., Syracuse University
Ph.D., Syracuse University

Hart, Charles R. (1982)

Associate Professor, Biological Sciences/Chemistry
B.S., University of Wisconsin-Eau Claire
M.S., University of Iowa
Ph.D., University of Iowa

Helgeland, Catherine H. (1977)

Assistant Professor, Geography/Geology
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Hsieh, Wen-jen (1993)

Assistant Professor, Economics
B.A., Fu-jen Catholic University, Taiwan
M.A., National Taiwan University
Ph.D., Columbia University

Leone, Catherine L. (1989)

Assistant Professor, Anthropology/Sociology
B.A., University of California-Berkeley
M.A., Washington State University
Ph.D., Washington State University

Schindl, Karl F. (1993)

Assistant Professor, Business
B.S., Northern Illinois University-DeKalb
M.S., Northern Illinois University-DeKalb

Schuh, Martha (1982)

Associate Professor, Mathematics
A.B., Oberlin College
M.A., University of Illinois at Urbana-Champaign

Singh, Bhagat (1970)

Professor, Mathematics/Computer Science
B.S., Agra University, India
M.S., Agra University, India
M.S., University of Illinois at Urbana-Champaign
Ph.D., University of Illinois at Urbana-Champaign

Sontag, Charles R. (1967)

Professor, Biological Sciences
B.S., Carroll College
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Trask, Kerry A. (1972)

Professor, History
B.A., Hamline University
M.A., University of Minnesota
Ph.D., University of Minnesota

Van Der Vaart, Richard L. (1986)

Associate Professor, Physical Education
B.S., University of Wisconsin-La Crosse
M.A., Western Michigan University

White, V. Alan (1981)

Professor, Philosophy
A.B., Northwest Nazarene College
M.A., University of Tennessee, Knoxville
Ph.D., University of Tennessee, Knoxville



University of Wisconsin Center

Marathon County

Location

The University of Wisconsin Center-Marathon County has a six-and-one-half acre campus in Wausau, adjacent to Marathon Park. Wausau is in north central Wisconsin, about 140 miles north of Madison.

Student body

In fall 1994, 1,047 students were enrolled, 601 women and 446 men, 69 percent full-time and 31 percent part-time. Student age varies from 17 to older than 70. The campus draws most of its students from Marathon, Langlade, Lincoln, Shawano, Portage and Taylor counties.

Facilities

UWC-Marathon County has a residence hall which houses 162 students. Other buildings include a science hall with extensive lab facilities; an art studio; a fieldhouse with a racquetball court, weight room, swimming pool and gymnasium; and a classroom-office complex with a theater, a computerized library, student center, bookstore, planetarium, greenhouse, cafeteria, learning laboratory and computer laboratory.

Special programs

Academic: Honors program for academic achievers, basic skills courses, tutoring, Freshman Seminar, Learning Lab services, outreach nursing degree completion and extended degree.

Scholarships: Annually, more than \$50,000 worth of scholarships are awarded on the basis of academic achievement or potential.

Extracurricular: Lecture and Fine Arts Series, lecture forum, intercollegiate and intramural sports, show choir, jazz ensemble, concert band, concert choir, theater productions, Student Government Association, Ambassador Program, Activities Programming Board, and a variety of clubs and special-interest organizations.

Community interest programs: A wide range of personal enrichment and professional development classes, College of the Emeriti for those age 50 and older, College for Kids, international study/tours and international dinner lectures.

G. Dennis Massey, Dean
Gregory S. Brown, Student Services Director

Student Services Office
518 South 7th Avenue
Wausau, WI 54401-5396
715/845-9602

UWC-Marathon County Administration and support services

Massey, Dennis G. (1991)
Campus Dean
B.A., Johns Hopkins University
M.A., Johns Hopkins University
Ph.D., University of Cincinnati

Brown, Gregory S. (1992)
Director, Student Services
B.S., Clarion University of Pennsylvania
M.A., Bowling Green State University

Inger, Paula R. (1993)
Recreation Specialist
B.S., University of Wisconsin-Stevens Point
M.A. University of Wisconsin-La Crosse

Kasten, Patricia M. (1984)
Advisor, Extended Degree/High School Relations
B.S., University of Wisconsin-Stevens Point

Keeffe, Kevin G. (1986)
Student Services Specialist
B.S., University of Wisconsin-Madison

Koch, James (1970)
Business Manager
B.A., University of Wisconsin-Madison
M.B.A., University of Wisconsin-Madison

Lokre-McNutt, Cynthia S. (1983)
Student Services Coordinator,
High School Relations/Lecture and Fine Arts
A.A., Santa Barbara City College
B.F.A., University of Southern California
S.S.I., University of Southern California
M.A., University of Illinois at Urbana-Champaign

Palmateer, Judy M. (1972)
Director, Library
A.A., Port Huron Junior College
B.A., Eastern Michigan University
M.A., Western Michigan University

Roll, Todd (1991)
Associate Academic Librarian
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Runkel, John (1964)
Senior Student Services Coordinator
B.A., Lawrence University

Saeger, Susan K. (1993)
Outreach Program Manager I, Continuing Education
B.A., University of Wisconsin-Eau Claire
M.A., University of Wisconsin-Milwaukee

Sobush, Sonya M. (1993)
Residence Hall Manager
B.S., UW-Stevens Point
M.Ed., Wichita State University

Stuplich, Richard (1992)
Associate Information Processing Consultant

Wittkopf, Judith (1992)
Administrative Program Manager I, Public Information
B.A., University of Wisconsin-Madison

Faculty

Abshear-Seale, Lisa (1992)
Assistant Professor, English
B.A., University of California-Santa Barbara
B.A., University of California-Santa Barbara
M.A., University of California-Santa Barbara
Ph.D., University of California-Santa Barbara

Barrington, Byron (1960)
Professor, Psychology
B.S., University of Wisconsin-Madison
M.S., University of Chicago
Ph.D., University of Chicago

Barta, Terese M. (1993)
Assistant Professor, Biological Sciences
B.S., University of Wisconsin-Madison
M.S., University of California-Riverside
Ph.D., University of Wisconsin-Madison

Borger, Gary A. (1971)
Associate Professor, Biological Sciences
B.S., Pennsylvania State University
M.S., Pennsylvania State University
Ph.D., University of Wisconsin-Madison

Brown, Mark T. (1986)
Associate Professor, Philosophy
B.A., Baker University
B.S.E., University of Kansas
M.A., University of Kansas
M.Phil., University of Kansas
Ph.D., University of Kansas

Burger, Angela (1965)
Professor, Political Science
B.A., Furman University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Case, Joel C. (1982)
Associate Professor, Chemistry
B.S., University of Minnesota-Twin Cities
Ph.D., Kansas State University

Chevalier, Joseph E. (1966)
Associate Professor, French
B.A., Southern University
M.A., University of Wisconsin-Madison

Dahle, Richard W. (1963)
Associate Professor, Art
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Day, William F. (1981)
Associate Professor, Music
B.M.E., University of Dubuque
M.A., University of Iowa

Elder, William G. (1993)
Assistant Professor, Psychology
B.A., University of Texas at Dallas
Ph.D., University of Texas Southwestern Medical Center
at Dallas

Evangelista, Fe S. (1993)
Assistant Professor, Mathematics
B.S., Ateneo de Manila University (Philippines)
M.S., University of Minnesota
Ph.D., University of Illinois-Chicago

Fleming, Thomas M. (1978)
Associate Professor, Art
A.A., Harrisburg Area Community College
B.F.A., Pennsylvania State University
M.F.A., University of Minnesota

Free, Marvin D. (1985)
Associate Professor, Sociology
B.B.A., Baylor University
M.B.A., Baylor University
M.A., Baylor University
Ph.D., University of Denver

Gibbs, David C. (1982)
Associate Professor, Computer Science
A.B., San Diego State University
M.S., San Diego State University
Ph.D., University of Wisconsin-Madison

Gonzalez, Frank (1981)
Associate Professor, Engineering/Mathematics
B.S., University of Florida
M.S., University of Florida
Ph.D., University of Florida

Grdinic, Marcel R. (1966)
Professor, Chemistry
M.S., University of Zagreb, Yugoslavia
Ph.D., University of Zagreb, Yugoslavia

Grinde, Harlan (1963)
Assistant Professor, History
B.A., Saint Olaf College
M.A., University of Wisconsin-Madison

Grossnickle, Nevin (Ned) E. (1989)
Assistant Professor, Biological Sciences
B.S., University of Michigan-Ann Arbor
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Madison

Hamilton, M. Bellamy (1972)
Professor, Music
B.A., Oberlin College
B.Mus., Oberlin College
M.F.A., Carnegie Mellon University
Ph.D., University of Wisconsin-Madison

Hemenway, Clare T. (1990)
Assistant Professor, Mathematics
B.A., Clark University
M.S., University of Virginia

Hendricks, Bryan L. (1973)
Associate Professor, Psychology
B.A., Kearney State College
M.A., University of Illinois at Urbana-Champaign
Ph.D., University of Illinois at Urbana-Champaign

Hessert, Nancy A. (1975)
Associate Professor, Spanish
B.S., Northwestern University
M.A., University of Wisconsin-Madison

Hillary, Michael L. (1986)
Lecturer, Sociology
B.A., Northwestern University
M.A., Columbia University
M.Ph., Columbia University

Hosler, Douglas E. (1972)
Associate Professor, Philosophy
B.A., Oberlin College
M.A., Yale University
Ph.D., University of Pittsburgh

Kelly, John W. (1963)
Associate Professor, Chemistry
B.S., Southwest Nazarene College
M.S., University of Mississippi

Koupelis, Theodoros (1992)
Assistant Professor, Physics
B.S., Aristotelion University of Thessaloniki, Greece
M.A., University of Rochester
Ph.D., University of Rochester

Lippi, Ronald D. (1989)
Assistant Professor, Anthropology
B.Aero.E., University of Minnesota-Twin Cities
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Lorence, James J. (1966)
Professor, History
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Madison

Maheswaran, Murugesapillai (1986)
Professor, Mathematics
B.S., University of Ceylon, Sri Lanka
Ph.D., University of Cambridge, England

Martin, Paul A. (1994)
Assistant Professor, Mathematics
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

McBee, Keith L. (1983)
Assistant Professor, Business
B.S., West Virginia University
M.A., West Virginia University

Milani, Hamid (1982)
Professor, Economics
B.A., Tehran College of Insurance, Iran
M.A., Western Illinois University
Ph.D., University of Wisconsin-Milwaukee

Montgomery, Keith (1991)

Assistant Professor, Geography/Geology
B.S., University of Glasgow, Scotland
M.S., University of Waterloo, Canada
Ph.D., University of Waterloo, Canada

Okray, Peter A. (1970)

Associate Professor, English
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Olson, Larry O. (1962)

Assistant Professor, Mathematics
B.S., University of Wisconsin-La Crosse
M.S., University of Wisconsin-Madison

Osypowski, Edward T. (1971)

Associate Professor, Physics
B.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Madison

Pierce, Frank L. (1964)

Associate Professor, German
A.B., Franklin & Marshall College
M.A., University of Colorado

Quinn, Robert S. (1963)

Associate Professor, Communication Arts
B.F.A., Chicago Art Institute-Goodman School of Drama
M.F.A., Chicago Art Institute-Goodman School of Drama
Ph.D., University of Wisconsin-Madison

Rudolph, Sarah J. (1991)

Assistant Professor, Communication Arts
B.A., University of Wyoming
M.A., Indiana University at Bloomington
Ph.D., University of Wisconsin-Madison

Salli, Arne J. (1964)

Associate Professor, Biological Sciences
B.S., University of Wisconsin-Superior
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Stalder, Shubhangi S. (1993)

Assistant Professor, Mathematics
B.S., Sir Parshurambhau College (India)
M.S., University of Pune (India)
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Stremiau, Duane L. (1967)

Associate Professor, Physical Education
B.S., University of Wisconsin-Madison
M.S., University of Colorado-Boulder
Ph.D., University of Wisconsin-Madison

Ware, Linda L. (1964)

Associate Professor, English
B.A., Ohio Wesleyan University
M.S., University of Wisconsin-Madison

Whitney, J. D. (1969)

Professor, English
B.A., University of Michigan-Ann Arbor
M.A., University of Michigan-Ann Arbor



University of Wisconsin Center

Marinette County

Location

The scenic 36-acre University of Wisconsin Center-Marinette County campus is located on the shores of Lake Michigan's Green Bay. Downtown Marinette and downtown Menominee, Michigan, are both within a five-minute drive of campus.

Student body

In fall 1994, 441 students were enrolled, 41 percent of whom are age 22 or older. Students attend the campus on a full-time or part-time basis. Almost one third of the students are Menominee County residents who, because of a reciprocal tuition agreement, pay Wisconsin resident tuition rates.

Facilities

The hub of student life is the student union-lounge-cafeteria wing of the main administration building. Science laboratories and a computer classroom are contained in a second wing. Art facilities include a 392-seat theater, gallery, visual arts studios and photographic laboratories. The library building, which contains a computer laboratory, overlooks the bay. Campus computers also have Internet access linking them to worldwide information resources. Completing the four-building complex is the Max E. Peterson Field House with gym, Nautilus room and six-lane swimming pool.

Special programs

Academic: Learning Communities, math, English, computer and science tutors, interdisciplinary computer-assisted instructional programs, open computer laboratory, basic skills courses, continuing education programs, international student programs, graduate courses from UW-Green Bay and Northern Michigan University.

Scholarships: Talentship Grants based on academic potential and leadership sponsored by UW-Marquette Foundation.

Extracurricular: Phi Theta Kappa national junior college honors fraternity, intramural and varsity sports, Student Senate, Student Ambassadors, student newspaper, writers' club, ski club, international club and other special interest organizations.

Community interest programs: Theatre on the Bay productions (including summer series), faculty lecture series, Communiiversity Band and West Shore Chorale.

Nancee I. Bailey, Interim Dean
Stephen P. Richer, Student Services Director

Student Services Office
750 W. Bay Shore
Marinette, WI 54143-4299
715/735-4301

UWC-Marquette County Administration and support services

Bailey, Nancee I. (1994)

Interim Dean
Associate Professor, Art
B.F.A., Ohio University
M.F.A., Ohio University

Jones, Jane C. (1987)

Outreach Program Manager I, Continuing Education
B.A., University of Wisconsin-Stevens Point

La Pierre, Carol J. (1966)

Business Manager

Molle, Maureen F. (1988)

Administrative Specialist, CASS Program
Development Skills Specialist, ESL
Administrative Program Manager I, Public Information
B.A., University of Minnesota-Twin Cities
M.A., Tennessee State University

Richer, Stephen P. (1983)

Director, Student Services
B.S., Northern Michigan University
M.A., Northern Michigan University

Robins, Roderick R. (1987)

Student Services Coordinator
A.A., Nicolet Area Technical College
B.S., University of Wisconsin-La Crosse
M.S., University of Wisconsin-La Crosse

Scofield, Constance V. (1985)

Director, Library
A.A., Hibbing State Junior College
B.A., University of Minnesota-Twin Cities
M.A., University of Wisconsin-Oshkosh

Faculty

Bassiouni, M. Salah (1992)

Assistant Professor, Sociology/Anthropology
B.A., Ain Shams University, Egypt
M.A., Ain Shams University, Egypt
Ph.D., Alexandria University, Egypt
Ph.D., Northwestern University

Bedrosian, Allen J. (1969)

Professor, Chemistry/Physics
B.S., University of Massachusetts at Amherst
Ph.D., Rutgers State University

Bugaj, Albert M. (1989)

Associate Professor, Psychology
B.A., Wheeling College
M.S., Purdue University
Ph.D., Purdue University

Espenscheid, Lyle L. (1967)

Assistant Professor, Mathematics
B.S., Wheaton College
M.A., University of Northern Iowa

Giebler, David J. (1981)

Associate Professor, Music
B.M., Fort Hayes State College
M.M., University of Wisconsin-Madison

Hemr, Constance L. (1978)

Assistant Professor, Mathematics
B.A., Eastern Michigan University
M.A., Eastern Michigan University

Holman, Katherine S. (1990)

Instructor, English
B.A., University of North Carolina
M.A., University of Southwestern Louisiana

Johnson, Wendel J. (1969)

Professor, Biological Sciences
B.S., Michigan State University
M.S., Michigan State University
Ph.D., Purdue University

Kowalski, Dorothy T. (1983)

Associate Professor, Physical Education
Athletic Director
B.S., Ithaca College
M.S., University of Wisconsin-La Crosse

LaMalfa, James T. (1969)

Associate Professor, Art
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison

Oitzinger, Jane H. (1983)

Associate Professor, English/Philosophy
B.A., University of Florida
M.S., University of Florida
Ph.D., University of Florida

Richards, Charles W. (1969)

Associate Professor, Chemistry
B.S., University of Wisconsin-Stevens Point
M.S., University of Oklahoma

Williams, Herbert L. (1966)

Associate Professor, Communication Arts
B.A., Mount Union College
M.A., University of Wisconsin-Madison



Carol McCart, Dean
James Nelson, Student Services Director

Student Services Office
2000 West 5th Street
Marshfield, WI 54449-0150
715/389-6530

University of Wisconsin Center **Marshfield/ Wood County**

Location

The University of Wisconsin Center-Marshfield/Wood County is located on 96 acres in the city of Marshfield.

Student body

In fall 1994, 555 students were enrolled, 27 percent of whom are age 25 or older. Students attend on both a full-time and part-time basis.

Facilities

Major buildings at the Center include the W.W. Clark Administration Building; Aldo Leopold Science Building; A.G. Felker Student Center; Fine Arts Building complex with the Learning Resource Center, Lecture-Performance Hall, music rehearsal rooms, and art studios; the Gymnasium; and University Apartments for student housing. Outdoor recreational facilities include lighted tennis courts, soccer fields, football field, baseball diamond, golf green and the 26-acre university arboretum.

Special programs

Academic: Evening Associate Degree Program, Outreach Program courses and freshman/sophomore program leading to a nursing degree.

Scholarship: Scholarships based on academic and leadership qualities, returning adult student incentive scholarships, and Ambassador Program scholarships for student representatives.

Extracurricular: Student Senate, intramural and varsity sports, Jazz Ensemble, Band, Choir, Swing Ensemble, drama, student newspaper, Computer Club, Inter-Varsity Christian Fellowship Club, and Nursing Association.

Community interest programs: Continuing Education Program, Campus-Community Players theater group, Marshfield/Wood County Symphony Orchestra, Performing Arts Series events, Visiting Artist Series, special topic lectures by faculty and visiting lecturers and cultural field trips.

UWC-Marshfield/Wood County

Administration and support services

McCart, Carol (1991)

Campus Dean

B.S., Northeast Missouri State University

M.A., Southern Illinois University at Edwardsville

Ph.D., Pennsylvania State University

Adams, Sue (1993)

Student Services Coordinator

B.A., Washington State University

M.S., Southern Illinois University

Ph.D., Oregon State University

Allmandinger, Barbara (1982)

Outreach Program Manager I, Continuing Education

Boldon, Wanda (1990)

Recreation Specialist, Athletics

A.S., University of Wisconsin Center-Richland

B.S., University of Wisconsin-Platteville

M.S., University of Wisconsin-LaCrosse

Erickson, Thomas (1989)

Director, Library

B.A., King's College

M.L.S., University of Michigan-Ann Arbor

Frazer, Georgette (1993)

Outreach Program Manager I, Continuing Education

B.A., Goddard College, Vermont

M.S., University of Wisconsin-Madison

M.S., University of New Hampshire-Durham

Gould, Elizabeth (1993)

Performing Arts Series Coordinator

B.A., DePauw University

M.A., University of Wyoming

Hendler, Peter (1968)

Business Manager

B.S., University of Wisconsin-Stevens Point

Nelson, James (1993)

Director, Student Services

B.A., Grand Valley State

M.A., Fairfield University

Neumann, Jerry L. (1973)

Administrative Program Manager II, Media Services

A.S., University of Wisconsin Center-

Marshfield/Wood County

A.S., North Central Technical College

Sokolowski, Neil (1971)

Administrative Program Manager I, Public Information

B.S., University of Wisconsin-Milwaukee

M.A., Marquette University

Faculty

Alexander, James D. (1964)

Professor, English

B.A., Brooklyn College

M.A., Notre Dame University

M.A., University of Minnesota-Twin Cities

Ph.D., University of Minnesota-Twin Cities

Allen, Ivalah (1992)

Lecturer, Music

B.M.E., Wichita State University

M.M., Wichita State University

Bitner, Thomas (1969)

Associate Professor, Geography/Geology

B.S., University of Wisconsin-Superior

M.A., Indiana State University

Boldon, Wanda (1990)

Associate Lecturer, Physical Education

A.S., University of Wisconsin Center-Richland

B.S., University of Wisconsin-Platteville

Brown, Mark T. (1986)

Assistant Professor, Philosophy

B.A., Baker University

B.S.E., University of Kansas

M.A., University of Kansas

M.P., University of Kansas

Christensen, Richard L. (1966)

Associate Professor, Mathematics

B.S., University of Wisconsin-Stevens Point

M.A., Northwestern University

Danou, Constantine C. (1971)

Assistant Professor, Sociology

B.A., Illinois State University

M.A., Illinois State University

Detwyler, Natalia T. (1987)

Lecturer, Spanish

D.I., Herten State Pedagogical Institute, U.S.S.R.

Frazer, Georgette (1979)

Associate Professor, Business/Economics

B.A., Goddard College

M.S., University of New Hampshire

M.S., University of Wisconsin-Madison

Hall, Philip K. (1964)

Professor, Chemistry

B.A., Augustana College

M.A., University of Wisconsin-Madison

Halloran, Donal W. (1965)

Assistant Professor, Biological Sciences

B.S., University of Massachusetts at Amherst

M.Ed., University of Massachusetts at Amherst

Harrington, John (1968)

Associate Professor, Physical Education/Athletics

B.S., University of Wisconsin-Madison

M.S., University of Wisconsin-Madison

Hensch, Shirley (1990)

Assistant Professor, Psychology
B.Comm., University of Alberta, Canada
M.S., University of Alberta, Canada
Ph.D., University of Alberta, Canada

Hoehn, Janis (1991)

Lecturer, Biological Sciences
B.S., Purdue University
M.Ed., University of Missouri-Columbia

Kingston, Kitty (1988)

Assistant Professor, Art
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison

Kleiman, Jeffrey D. (1988)

Assistant Professor, History
B.A., Lindenwood College
M.A., University of Cincinnati
Ph.D., Michigan State University

Marty, Thomas G. (1967)

Associate Professor, Chemistry
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Peterson, James R. (1966)

Associate Professor, Physics
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Rindfleisch, Gregory A. (1966)

Professor, Communication Arts
B.A., Mankato State University
M.A., Mankato State University

Shenouda, Salah M. (1974)

Associate Professor, Business/Economics
B.S., Alexandria University, Egypt
M.A., Eastern Michigan University
M.A., Eastern Michigan University
Ed.S., Eastern Michigan University

Sokolowski, Neil E. (1971)

Senior Lecturer, Communication Arts/English
B.S., University of Wisconsin-Milwaukee
M.A., Marquette University

Steinert, Daniel (1993)

Instructor, Music
B.A., University of Wisconsin-Oshkosh
M.M., Westminster Choir College

Stewart, Betty B. (1985)

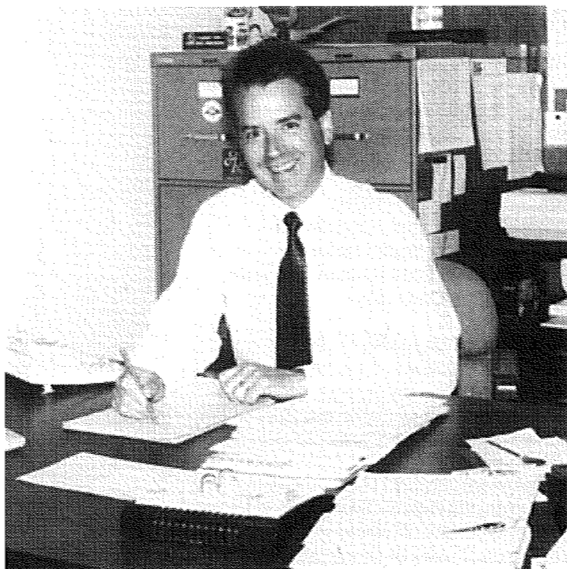
Associate Professor, Mathematics
B.A., Roberts Wesleyan College
M.Ed., California University of Pennsylvania

Sundheim, Paul (1991)

Assistant Professor, Mathematics
B.A., University of California-Santa Barbara
M.A., University of California-Santa Barbara
Ph.D., University of Texas at Austin

Tharp, Julie (1992)

Assistant Professor, English
B.S., Mankato State University
M.A., Mankato State University
Ph.D., University of Minnesota-Twin Cities



Dion Kempthorne, Dean
John Poole, Student Services Director

Student Services Office
1200 Highway 14 West
Richland Center, Wisconsin 53581-1399
608/647-6186

University of Wisconsin Center **Richland**

Location

The University of Wisconsin Center-Richland campus is located in the southwestern Wisconsin city of Richland Center, midway between La Crosse and Madison, on U.S. Highway 14.

Student body

In fall 1994, 397 students were enrolled, with approximately one-third age 22 or older. The campus draws students primarily from Richland, Grant, Iowa, Juneau and Sauk counties, but the student body includes people from throughout Wisconsin, various states and several different countries.

Facilities

The 135-acre campus has six main buildings: the Miller Memorial Library, Wallace Student Center, Classroom Building, Science Building, Roadrunner Gymnasium and the Administration Building. Also located on campus is the Symons Recreation Complex which houses a heated swimming pool, whirlpool, sauna, two racquetball courts, weight-training area and a multi-purpose room. Directly adjacent to the campus are two student apartment buildings, Edith Rice Symons Hall and Deans Hall, providing housing for 58 students. Outdoor facilities include an athletic field, a Wellness Trail, tennis and basketball courts, a demanding cross-country course and an area for winter recreational activities.

Special programs

Academic: Tutoring services; study skills workshop; and Youth for Understanding (YFU), a cooperative program that brings students from the former Soviet Union to study at UWC-R.

Scholarships: More than 70 scholarships ranging from \$200-\$1,000 are available through the Richland Campus Foundation Scholarship Program.

Extracurricular: Varsity and intramural sports, student senate, student newspaper, concert association, dance or other social event at least monthly.

Community interest programs: Continuing Education Office courses for people of all ages, campus-community theater, campus-community band, community choir, lecture series. Students in the YFU program add an international flavor to the campus atmosphere.

UWC-Richland

Administration and support services

Kemphorne, Dion (1990)

Campus Dean
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Gentes, Linda (1986)

Outreach Program Manager I, Continuing Education
B.S., University of Illinois at Urbana-Champaign

Goering, Stein (1988)

Associate Information Processing Consultant
B.A., Bethel College, Kansas

Gollata, James A. (1987)

Director, Library
B.S., University of Wisconsin-Oshkosh
M.A.L.S., University of Wisconsin-Oshkosh

Krueger, Tracy (1983)

Student Services Specialist, High School Relations
B.S., University of Wisconsin-Superior
M.S., Winona State University

Poole, John (1971)

Director, Student Services
B.S., University of Wisconsin-Platteville

Thompson, Dorothy (1985)

Associate Administrative Specialist,
Public Information and Student Activities
A.A., University of Wisconsin Center-Richland
B.G.S., University of Wisconsin-Green Bay

Vanderhyden, Connie (1990)

Student Services Program Manager I, YFU
B.A., Lawrence University

Wentz, Barbara (1969)

Business Manager
A.S., University of Wisconsin Center-Richland

Faculty

Aagaard, James K. (1976)

Assistant Professor, Music
A.A., Waldorf College
B.A., Saint Olaf College
M.A., University of Northern Iowa

Albrecht, John F. (1976)

Assistant Professor, Chemistry
B.S., Arkansas State University
M.Div., Austin Presbyterian Seminary
M.S., Tulane University

Armstrong, Margaret (1990)

Assistant Professor, Psychology
B.A., University of Chicago
M.A., University of California-San Diego
Ph.D., University of California-San Diego

Blackmore, Floyd (1969)

Associate Professor, Biological Sciences
B.S., University of Illinois at Urbana-Champaign
Ph.D., University of Illinois at Urbana-Champaign

Bower, Jerry (1967)

Associate Professor, History
B.S., University of Wisconsin-Stevens Point
M.A., Michigan State University
Ph.D., Michigan State University

Bullock, Marnie (1992)

Assistant Professor, English
B.A., Southern Illinois University at Carbondale
B.A., Southern Illinois University at Carbondale
M.F.A., University of Montana

Cavanaugh, Clifton (1979)

Associate Professor, Physics/Computer Science
B.S., Morningside College
M.S., The Ohio State University

Deckert, Garrett (1967)

Associate Professor, Geology/Geography
B.S., University of Wisconsin-La Crosse
M.A.T., Indiana University

Dwyer, Helene (1990)

Associate Professor, Philosophy
B.A., College of White Plains
M.A., Fordham University
Ph.D., Fordham University

Fellows, Patricia (1980)

Associate Professor, Physical Education
B.S., Michigan State University
M.S., Purdue University

Haney, Emil B. (1979)

Professor, Economics
B.S., The Ohio State University
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Haney, Wava (1979)

Professor, Sociology

B.S., The Ohio State University

M.S., University of Wisconsin-Madison

Ph.D., University of Wisconsin-Madison

Hirschy, Robert A. (1967)

Associate Professor, Biological Sciences

B.S., Wheaton College

M.S., University of Wisconsin-Madison

Larson, Doran (1992)

Assistant Professor, English

B.A., University of California-Santa Cruz

M.A., State University of New York-Buffalo

Ph.D., State University of New York-Buffalo

Lutz, Zoie Eva (1991)

Assistant Professor, Communication Arts

M.S., University of Wisconsin-LaCrosse

M.F.A., University of Wisconsin-Madison

Penkoff, Ronald (1987)

Professor, Art

B.F.A., Bowling Green State University

M.A., The Ohio State University

Sriskandarajah, Jeganathan (1985)

Assistant Professor, Mathematics

B.S., University of Sri Lanka

M.S., University of Sri Lanka

M.S., University of Delaware

Stredulinsky, Edward (1990)

Assistant Professor, Mathematics

B.S., University of Alberta, Canada

Ph.D., Indiana University



Jane Crisler, Dean
Gregory L. Smith, Student Services Director

Student Services Office
2909 Kellogg Avenue
Janesville, WI 53546-5699
608/758-6523

University of Wisconsin Center **Rock County**

Location

The University of Wisconsin Center-Rock County is located in Janesville, 40 miles south of Madison and 80 miles southwest of Milwaukee.

Student body

In fall 1994, 873 students were enrolled, 51 percent of whom are age 22 or older. There is a mix of full-time and part-time students.

Facilities

The 50-acre commuter campus includes Hyatt-Smith Hall, which houses the administration offices, cafeteria, student lounge, backstage lounge and video-conference center; Andrews and Williams Halls, large classroom buildings which house the science laboratories, Academic Skills Center, computer lab and the 65,000 volume library; and Wells Cultural Center, with a 250-seat theater, a gymnasium, art gallery, and the art, music and drama departments.

Special programs

Academic: Daytime and evening Associate Degree Program; Academic Skills Center including tutoring, college orientation workshop for pre-college students or interested adults; course work leading to bachelor's and master's degrees in business in cooperation with UW-Extension and UW-Whitewater, and extensive film library.

Scholarships: New and continuing students planning to enroll for six or more credits are eligible to apply for a variety of scholarships. Selection is based on academic achievement and leadership ability.

Extracurricular: Special support group for adult students, intercollegiate sports, student newspaper, student government, theater groups, various clubs, jazz ensemble, band and mixed chorus.

Community interest programs: Lecture & Fine Arts programming, community band, theater events, videoconferencing, College for Kids, and non-credit courses offered through the Continuing Education Office.

UWC-Rock County

Administration and support services

Crisler, Jane E. (1991)
Campus Dean
A.B., Indiana University
M.A., Indiana University
Ph.D., University of Wisconsin-Madison

Greenler, Karen (1991)
Student Services Coordinator
B.A., University of Wisconsin-Green Bay
M.F.A., University of Wisconsin-Madison

Hall, Joyce (1992)
Student Services Coordinator
A.A., University of Wisconsin Center-Rock County
B.S., University of Wisconsin-Whitewater

Horn, Robert M. (1967)
Student Services Coordinator
B.S., University of Wisconsin-Madison
M.S., Pennsylvania State University

Hourigan, Timothy (1991)
Developmental Skills Specialist
Minority/Disadvantaged Program
B.A., University of California-Santa Cruz
M.S., University of Wisconsin-Milwaukee

Johnson, Katherine D. (1994)
Project AHEAD Coordinator
B.A., Beloit College

Krebs, Loretta (1989)
Senior Advisor, Minority/Disadvantaged Programs
B.A., The Ohio State University
M.Ed., Kent State University

Lenox, Gary J. (1966)
Director, Library
B.A., University of Minnesota-Twin Cities
M.A., University of Wisconsin-Madison

Maloney, Maryann J. (1981)
Developmental Skills Specialist
Minority/Disadvantaged Program
B.A., Northern Michigan University
M.A., Northern Michigan University

Pillard, Diane S. (1984)
Administrative Program Manager I, University Relations
Outreach Program Manager I, Continuing Education
B.S., University of Wisconsin-Whitewater
M.S., University of Wisconsin-Whitewater

Schlais, Mary J. (1994)
Instructional Program Manager 1,
Minority Disadvantaged Programs
B.A., University of Northern Iowa
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Smith, Gregory L. (1984)
Director, Student Services
B.A., University of Wisconsin-Eau Claire
M.A., Arizona State University
Ph.D., University of Wisconsin-Madison

Wildeck, Steven C. (1993)
Business Manager
B.S., University of Wisconsin-Madison
M.B.A., University of Wisconsin-Madison

Faculty

Allen, Duane L. (1969)
Associate Professor, Philosophy
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Amundson, Delyle S. (1969)
Assistant Professor, Mathematics
B.S., University of Wisconsin-Platteville
M.S., University of Wyoming

Atwood, Daniel (1977)
Associate Professor, English
B.A., University of Wisconsin-Madison
M.A., George Washington University
Ph.D., The Ohio State University

Berke, Richard E. (1962)
Professor, English
B.A., University of Illinois at Urbana-Champaign
M.A., University of Wisconsin-Madison

Brandes, Stuart D. (1967)
Professor, History
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Cutsinger, Loran (1989)
Assistant Professor, Anthropology
B.A., University of Michigan-Ann Arbor
M.A., Washington State University
Ph.D., Washington State University

Fiorina, Frank J. (1967)
Associate Professor, French
B.S., Southern Illinois University at Carbondale
M.A., University of Wisconsin-Madison

Fuller, Mark (1991)
Assistant Professor, Mathematics
B.A., University of California-Berkeley
M.S., University of Massachusetts at Amherst
Ph.D., University of Massachusetts at Amherst

Galindo, Rose Marie (1991)
Assistant Professor, Spanish
B.A., University "Jose' Simeon Canas," El Salvador
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Goding, Lloyd A. (1970)
Professor, Chemistry
B.S., University of New Mexico
M.S., University of New Mexico
Ph.D., University of New Mexico

Groth, Philip G. (1981)
Associate Professor, Sociology
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Hackenberger, Steven (1989)
Assistant Professor, Anthropology
B.A., University of Tulsa
M.A., Washington State University
Ph.D., Washington State University

Holt, Robert C. (1968)
Professor, Music
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Madison

Hornbostel, Julia E. (1966)
Professor, English
B.A., Florida State University
M.A., Indiana University

Jones, George (1992)
Assistant Professor, Economics
B.S., University of Wisconsin-Stevens Point
M.S., Southern Illinois University
Ph.D., Southern Illinois University

Kinnaman, Theodore D. (1966)
Professor Emeritus, Music
B.M., Northwestern University
M.M., Northwestern University

Kostka, Kimberly L. (1993)
Assistant Professor, Chemistry
B.S., University of Wisconsin-River Falls
M.S., Carnegie Mellon University
Ph.D., Carnegie Mellon University

LaBrie, Janet (1988)
Associate Lecturer, English
B.A., University of Wisconsin-Whitewater
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Lampe, Gregory (1978)
Assistant Professor, Communication Arts
B.S., Slippery Rock University of Pennsylvania
M.A., Northern Illinois University

Liss, Frederick M. (1970)
Associate Professor, Mathematics
B.A., University of Notre Dame
M.A., University of Wisconsin-Madison

Merrill, Edward (1991)
Associate Professor, Biological Sciences
B.A., Drew University
M.S., University of Wisconsin-Madison
Ph.D., University of California-Berkeley

Mory, Peter R. (1966)
Associate Professor, Physical Education
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Murray, David G. (1962)
Associate Professor, Physics
B.A., Carleton College
M.S., University of Wisconsin-Madison

Reinhardt, Linda C. (1982)
Associate Professor, Psychology
B.A., College of Saint Catherine
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Schlais, Harold E. (1972)
Professor, Mathematics
B.S., University of Wisconsin-Oshkosh
M.A., Arizona State University
Ph.D., Arizona State University

Scott, Everett D. (1969)
Professor, Art
B.F.A., University of Utah
M.A., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison

Storch, Robert D. (1969)
Professor, History
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Weinberg, Mark S. (1983)
Associate Professor, Communication Arts
B.A., Wilkes College
M.A., State University of New York College at New Paltz
M.F.A., University of Minnesota-Twin Cities
Ph.D., University of Minnesota-Twin Cities

Weitzel, Paul J. (1993)
Assistant Professor, Business
B.S., University of Pittsburgh
M.B.A., University of Wisconsin-Madison

Williams, Barbara J. (1969)
Professor, Geography
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Wimmer, Mary Alice (1967)
Professor, Art
B.F.A., Saint-Mary-of-the-Woods College
M.S., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison



University of Wisconsin Center

Sheboygan County

Location

The University of Wisconsin Center-Sheboygan County is located on a 73.5-acre site on the western edge of the city of Sheboygan.

Student body

In fall 1994, 518 students were enrolled, 31 percent of whom are age 25 or older. Part-time students make up 43 percent of the student population. Both full-time and part-time students are enrolled.

Facilities

The campus includes a main building, learning resources building, fine arts building with a theater, physical education building and observatory. The grounds include tennis courts, areas for field sports, and a natural terrain for cross-country track and skiing.

Special programs

Academic: Evening Associate Degree Program, evening academic/career counseling, tutoring and Phi Theta Kappa scholastic honorary.

Scholarships: UW-Sheboygan County Foundation Talent Grants and other scholarships ranging from \$100 to \$1,000.

Extracurricular: Campus newspaper, intramural and varsity sports, literary magazine and special interest groups.

Community interest programs: Continuing Education Extension short courses and workshops, University Theatre drama productions, wind ensemble concerts, choir concerts, lecture and fine arts events and classic film series.

G. Kathleen O'Connor, Dean

Betsy L. West, Student Services Director (on leave)
Linda Gleason, Acting Student Services Director

Student Services Office
One University Drive
Sheboygan, WI 53081-4789
414/459-6633

UWC-Sheboygan County Administration and support services

O'Connor, G. Kathleen (1992)

Campus Dean
B.A., Stanford University
M.A., Washington University
Ph.D., Washington University

Ellair, Jeffrey A. (1994)

Director, Library
B.A., Hillsdale College
M.I.L.S., University of Michigan-Ann Arbor

Gleason, Linda (1988)

Acting Director, Student Services
B.S., Viterbo College
M.S.E., University of Wisconsin-La Crosse

Harrison, Nancy R. (1990)

Instructional Program Manager I, Upward Bound
B.S., University of Wisconsin-Stout
M.S., University of Wisconsin-Milwaukee

Lee, Eric K. (1992)

Adviser, Pathways to Opportunity
B.A., Viterbo College
M.E.-P.D., University of Wisconsin-La Crosse

Mortenson, Thomas L. (1976)

Business Manager
B.S., Rockford College

Quicker, Sharon R. (1973)

Administrative Specialist, Library
B.A., Lakeland College

Strakulski, Peter C. (1979)

Administrative Program Manager I, Public Information
Outreach Program Manager I, Continuing Education
B.S., Boston University
M.S., Cardinal Stritch College

West, Betsy L. (1974) (on leave)

Director, Student Services
B.A., University of Iowa
M.A., University of Iowa

Faculty

Ball, Neil M. (1968)

Associate Professor, Chemistry
B.S., University of New Hampshire
M.S., University of New Hampshire
Ph.D., University of Wisconsin-Madison

Browne, Bruce C. (1985)

Associate Professor, Communication Arts
B.A., College of Wooster
M.A.T., College of Wooster
M.F.A., University of Massachusetts at Amherst

Buser, Mary M. (1987)

Assistant Professor, Psychology
B.S., University of Wisconsin-Whitewater
M.A., University of Manitoba, Canada
Ph.D., University of Manitoba, Canada

Flannery, Richard F. (1978)

Professor, Political Science
A.B., Syracuse University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Gates, John L. (1969)

Professor, Music
B.M., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Grittinger, Thomas F. (1968)

Professor, Biological Sciences
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Milwaukee

Gross, James F. (1971)

Associate Professor, Computer Science
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Heidt, James G. (1967)

Associate Professor, Geography
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Henke, Diana L. (1992)

Assistant Professor, Business
B.A., University of North Dakota
M.S., University of Wisconsin-Milwaukee

Hsieh, Wen-jen (1993)

Assistant Professor, Economics
B.A., Fu-jen Catholic University
M.A., National Taiwan University
Ph.D., Columbia University

Homstad, Alice A. (1975)

Associate Professor, Spanish
B.A., University of Wisconsin-Whitewater
M.S., University of Wisconsin-Milwaukee
M.A., University of Wisconsin-Milwaukee

Jarosch, Richard M. (1966)

Associate Professor, Chemistry
B.S., University of Wisconsin-Eau Claire
M.S., University of Iowa

Kaeppel, Albert R. (1965)

Assistant Professor, Physics
B.Ed., University of Wisconsin-Whitewater
M.S., New Mexico Highlands University

Karn, Edwin D. (1965)

Associate Professor, History
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Korb, Kenneth W. (1961)

Professor, Geography
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Louzecky, David J. (1972)

Professor, Philosophy
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Margrett, Robert J. (1969)

Associate Professor, English
B.A., St. John Fisher College
M.A., Niagara University

Marquardt, Lee C. (1964)

Assistant Professor, Mathematics
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Meidam, Miles T. (1969)

Associate Professor, Anthropology/Sociology
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Milicia, Joseph, Jr. (1976)

Professor, English
B.A., Case Western Reserve University
M.A., Columbia University
Ph.D., Columbia University

Peneski, Thomas J. (1969)

Assistant Professor, Mathematics
B.A., Rockhurst College
M.A., University of Wisconsin-Madison

Snyder, John J. (1969)

Associate Professor, Physical Education/Athletics
B.S., University of Wisconsin-Platteville
M.S., University of Washington

Tobin, G. Jean (1976)

Professor, English
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Zemba, James E. (1967)

Professor, Art
B.S., Western Michigan University
M.F.A., Cranbrook Academy of Art



Joel Rodney, Dean
Nancy Henderson, Student Services Director

Student Services Office
400 University Drive
West Bend, WI 53095-3699
414/335-5201

University of Wisconsin Center

Washington County

Location

The University of Wisconsin Center-Washington County is situated on 87 glacier-sculpted acres on the southwest side of West Bend, one block west of the intersection of the US 45 bypass and State Hwy. 33. West Bend is located 30 minutes from metropolitan Milwaukee.

Student body

In the fall of 1994, 670 students were enrolled, 30 percent of whom are age 22 or older. Both full-time and part-time students are enrolled. The campus draws students from more than 30 area high schools and four surrounding counties.

Facilities

The campus has four fully-connected buildings with classrooms, science laboratories and a greenhouse, theater, gymnasium, ceramic and art studios, music ensemble and practice rooms, a piano lab, photography darkroom, food co-op and cafeteria, bookstore, student union and faculty and administrative offices. In addition, there is an observatory and athletic fields. The library contains an extensive collection of books, periodicals and recordings, and is linked to the University of Wisconsin computerized catalog system. More than 30 computers are available in the adjoining two student computer labs. UWC-WC is linked to other campuses through the CentersNet computer network. A state-of-the-art multimedia classroom is available for use by all classes.

Special programs

Academic: Honors Program, Learning Communities, evening courses, special topics and lecture series.

Scholarships: In 1994, more than \$73,000 in scholarships and awards were presented to entering, continuing and transferring students.

Co-curricular: Varsity and intramural sports, Phi Theta Kappa national junior college honorary society, student government association, student newspaper, literary magazine, business club, Theatre-on-the-Hill performance troupe, musical ensembles, foreign language club and other special interest groups.

Community Interest Programs: Continuing Education courses, "College for Kids," campus-produced musicals and plays, community symphony and chorus, fine arts and lectures series, comedy-at-noon programs, tours and trips.

UWC-Washington County

Administration and support services

Rodney, Joel M. (1990)
Campus Dean
B.A., Brandeis University
Ph.D., Cornell University
Cert, IEM, Harvard University

Bigler, Nancy (1976)
Administrative Program Manager I, Library
B.S., Ball State University
M.A., Ball State University

Butschlick, Debbie I. (1985)
Student Services Specialist, Student Activities
Recreation Specialist, Athletics
A.A., University of Wisconsin Center-Washington County
B.S., Cardinal Stritch College
M.B.A., Cardinal Stritch College

Dziedzic, Cathleen A. (1976)
Business Manager
B.S., University of Wisconsin-Eau Claire

Fitz, Thomas R. (1967)
Director, Library
Assistant Professor
A.B., Southwestern College
M.D.V., Drew University
S.T.M., Drew University
M.A., University of Denver

Henderson, Nancy E. (1991)
Director, Student Services
B.A., University of Denver
M.A., University of Denver
M.A., California Polytechnic State University-San Luis Obispo

Kauth, Barbara B. (1993)
Student Services Coordinator
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Laabs, Joan B. (1989)
Outreach Program Manager I, Continuing Education
B.A., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Reineke, Carol R. (1991)
Administrative Program Manager I, University Relations
B.S., University of Wisconsin-Platteville
M.A., University of Wisconsin-Milwaukee

Tallman, Charles H. (1992)
Associate Information Processing Consultant
A.A., UWC-Washington County

Faculty

Bigler, Clair E. (1975)
Associate Professor, English
B.A., Ball State University
M.A., Ball State University
Ph.D., University of Wisconsin-Madison

Brigham, Thomas J. (1968)
Associate Professor, Physical Education/Athletics
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Britton, Gary L. (1967)
Professor, Mathematics
B.A., Dakota Wesleyan University
M.S., South Dakota School of Mines and Technology
D.A., University of Northern Colorado

Brodie, Susan D. (1984)
Associate Professor, English
B.A., University of Vermont
M.A., Northeastern University
Ph.D., University of Nebraska-Lincoln

Brodsky, Carol J. (1968)
Assistant Professor, English
B.S., Marquette University
M.A., Marquette University

Browner, Tara B. (1993)
Instructor, Music
A.A., Sierra Community College
B.A., California State University-Sacramento
M.M., University of Colorado
M.A., University of Michigan

Cahill, Michael E. (1974)
Associate Professor, Physics
B.S., Manhattan College
M.S., University of Illinois at Urbana-Champaign
Ph.D., University of Illinois at Urbana-Champaign

Cahill, Rotraut C. (1974)
Associate Professor, Mathematics/Computer Science
B.A., Rutgers State University
M.A., University of Rochester
Ph.D., University of Illinois at Urbana-Champaign

Cleek, Richard K. (1970)
Associate Professor, Geography/Computer Science
B.A., University of Texas at Austin
M.A., University of Texas at Austin

Diamanti, Joseph M. (1965)
Associate Professor, Chemistry
B.S., King's College
M.S., University of Vermont

Dommissie, Edwin J. (1967)
Associate Professor, Geography
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Ford, Bradford A. (1982)
Assistant Professor, Communication Arts
B.A., Wayne State University
M.F.A., University of Southern Mississippi

Frey, John T. (1991)

Assistant Professor, Chemistry
B.S., Marquette University
Ph.D., Iowa State University

Gibeau, Peter W. (1992)

Assistant Professor, Music
B.M., Oberlin Conservatory
M.M., University of Arkansas Main Campus (Fayetteville)
Ph.D., University of Wisconsin-Madison

Gomes, Lawrence J. (1979)

Associate Professor, Business/Economics
B.A., Dacca University, Bangladesh
M.A., Dacca University, Bangladesh
M.A., Cleveland State University
Ph.D., Wayne State University

Gross, Thomas C. (1966)

Professor, Art
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
M.F.A., University of Wisconsin-Milwaukee

Hamilton, Margaret M. (1992)

Assistant Professor, Psychology
B.A., University of Pennsylvania
M.A., Johns Hopkins University
Ph.D., Johns Hopkins University

Huehner, David R. (1972)

Associate Professor, History
B.A., University of Illinois at Urbana-Champaign
M.A., University of Illinois at Urbana-Champaign
Ph.D., University of Illinois at Urbana-Champaign

Peterson, Mark C.E. (1988)

Assistant Professor, Philosophy
B.A., University of South Alabama
M.A., University of Toronto, Canada
Ph.D., University of Toronto, Canada

Peterson, Roger D. (1981)

Associate Professor, Mathematics
B.A., Northwestern University
Ph.D., The Ohio State University

Prasad, Sarada V. (1984)

Associate Professor, Business
B.A., University of Madras, India
M.S., University of Wisconsin-Milwaukee

Rissel, Hilda (1991)

Assistant Professor, Foreign Languages
B.S., Georgetown University
M.S., Georgetown University
Ph.D., Georgetown University

Roby, Patricia C. (1990)

Assistant Professor, English
B.A., University of Maryland
M.A., Marquette University
Ph.D., Marquette University

Saad, Sami M. (1972)

Professor, Biological Sciences
B.S., American University of Beirut, Lebanon
M.S., American University of Beirut, Lebanon
Ph.D., University of Wisconsin-Madison

Schaefer, Wayne F. (1977)

Associate Professor, Biological Sciences
B.S., Brigham Young University
M.S., University of Wisconsin-Milwaukee
Ph.D., Brigham Young University

Thorn, J. Michael (1986)

Assistant Professor, History
B.A., Oxford University, England
M.A., University of South Carolina
M.B.A., University of Missouri-Columbia
Ph.D., University of Wisconsin-Madison

Vachuska, Colleen A. (1990)

Assistant Professor, Mathematics
B.S., Mankato State University
M.S., Marquette University
Ph.D., Marquette University

Wall, G. Roger (1978)

Assistant Professor, Political Science
B.A., Millikin University
M.A., University of Stockholm, Sweden
Ph.D., University of Stockholm, Sweden

Wilhite, Margaret R. (1990)

Instructor, Sociology
B.A., Oberlin College
M.A., Oberlin College



Mary S. Knudten, Dean
Paul H. Jones, Student Services Director

Student Services Office
1500 University Drive
Waukesha, WI 53188-2799
414/521-5210

University of Wisconsin Center

Waukesha County

Location

At approximately the geographic center of Waukesha County, the University of Wisconsin Center-Waukesha County is located on the western edge of the city of Waukesha on 86 acres of land. It is one mile south of Interstate 94 at the Hwy T South exit.

Student body

In fall 1994, 2,293 students were enrolled, 30 percent of whom are age 25 or older. There is a mix of full-time and part-time students.

Facilities

Campus buildings are grouped to form a central mall. Northview Hall, the Administration Building, the Library and the Commons are joined and define the northeast corner of the mall. The Field House, Southview Hall, and the Fine Arts Center create the southern border of the mall, which is open on the west. The facilities include classrooms, science laboratories, a computer lab, a greenhouse, a 337-seat theater and art gallery, a gymnasium and exercise room, athletic field, cafeteria and bookstore. UWC-Waukesha County also operates a field station 10 miles southwest of the campus on Hwy 18 at Waterville.

Special programs

Academic: Evening associate degree program, Learning Laboratory, off-campus courses, Honors program, Pre-college Hispanic program, cooperative nursing program with Milwaukee County Hospital School of Nursing and Community Outreach.

Scholarships: Friends & Alumni Foundation Scholarship Program with awards ranging from \$100 to \$1,500.

Extracurricular: Intramural and varsity sports, special interest clubs, student government, campus student radio station and newspaper, Adult Student Alliance, Fallfest, Winter Carnival and Spring Carnival.

Community interest programs: Fifty Minutes lecture series, Wilderness University lecture series, foreign film series, holiday Madrigal dinners and performances, Lunt-Fontanne Ensemble (theater), Jazz Ensemble, Symphonic Band, Swing Choir and UW-Extension continuing education programs.

UWC-Waukesha

Administration and support services

Knudten, Mary S. (1981)

Campus Dean
A.B., University of Kansas
M.A., Valparaiso University
Ph.D., University of Chicago

Cleek, Margaret (1978)

Associate Campus Dean
B.A., University of Illinois at Chicago
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Ayal, Dahlia (1994)

Advisor
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Bracco, Donald (1984)

Outreach Program Manager II, Continuing Education
Associate Professor, University of Wisconsin-Extension
B.S., University of Wisconsin-La Crosse
M.S.T., University of Wisconsin-La Crosse

Brown, Janet (1977)

Instructional Program Manager III, Student Support Services
B.A., Knox College
M.S., Chicago State University
Ph.D., University of Wisconsin-Milwaukee

Cavanaugh, Jane (1984)

Academic Librarian, Library and Media Services
B.S., University of Wisconsin-Milwaukee
M.L.S., University of Wisconsin-Milwaukee

Connor, Sarah C. (1978)

Senior Developmental Skills Specialist,
Student Support Services
B.S., University of Wisconsin-Stevens Point
M.E., University of Wisconsin-Whitewater

Eichman, Steven J. (1993)

Business Manager
B.B.A., University of Wisconsin-Whitewater
M.S.E., University of Wisconsin-Whitewater

Eisenmann, Kurt G. (1981)

Associate Director, Student Services
B.A., Westmar College
M.S., University of Wisconsin-Madison

Flesia, Faye A. (1969)

Director, Library and Media Services
B.S., Northland College
M.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Milwaukee

Hansen, Jolene H. (1979)

Senior Developmental Skills Specialist,
Student Support Services
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Milwaukee

Heerts, Daniel D. (1994)

Instructional Specialist, Theatre
B.A., Viterbo College

Jones, Paul H. (1982)

Director, Student Services
B.A., Trinity College
M.A., University of Iowa
Ed.S., University of Iowa

Kelsey, Penny (1988)

University Relations Specialist
B.A., Marquette University

Kreienbrink, Marjorie A. (1986)

Developmental Skills Specialist,
Student Support Services
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Luedtke, Judy (1984)

Senior Student Services Coordinator
B.A., Carthage College
M.S., University of Wisconsin-Milwaukee

O'Hara, Ann K. (1993)

Associate Academic Librarian
B.A., Marquette University
M.L.I.S., University of Wisconsin-Milwaukee

Paaske, Vicki (1991)

Associate Administrative Specialist,
Student Support Services
B.S., Marquette University

Paque, Lynn (1971)

Administrative Program Manager II, Public Information
A.A., University of Wisconsin Center-Waukesha County
B.A., University of Wisconsin-Milwaukee
M.A., Marquette University

Rowe, Mary S. (1989)

Advisor, Student Services
B.A., Milliken University
M.S., University of Wisconsin-Whitewater

Sanchez, Juan Pedro (1994)

Student Services Specialist
B.A., University of Wisconsin-Madison

Spleas, Denise L. (1987)

Administrative Program Manager I,
Library and Media Services
B.A., University of Northern Iowa
M.A., University of Northern Iowa

Walczyk, Jane (1994)

Associate Student Services Specialist
B.A., University of Wisconsin-Milwaukee

Weber, David J. (1990)

Associate Information Processing Consultant
Computer Center
A.S., University of Wisconsin Center-Waukesha County

Yakel, Sally (1994)

Developmental Skills Specialist
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Ziegert, Susan (1994)

Developmental Skills Specialist, Student Support Services
B.S., University of Wisconsin-Platteville
M.A., Cardinal Stritch College

Faculty

Andrews, Susan L. (1968)
Professor, Psychology
B.S., Miami University (Ohio)
Ph.D., University of Chicago

Bermant, Robert I. (1976)
Associate Professor, Psychology
A.B., Drew University
M.A., University of Kansas
Ph.D., University of Kansas

Braun, Eugene K. (1969)
Associate Professor, Biological Sciences
B.S., Northern Illinois University
M.S., Northern Illinois University

Burger, Josef (1964)
Associate Professor, Political Science
J.U.C., (Law), Charles University, Czechoslovakia
B.S., Montana State University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Calhoun, Robert F. (1963)
Professor, English
B.A., University of Virginia
M.A., University of Virginia

Calkins, Charles F. (1993)
Visiting Professor, Geography
B.S., Carroll College
M.A., University of Oklahoma
Ph.D., University of Nebraska

Cheney, James (1972)
Associate Professor, Philosophy
B.A., University of California-Berkeley
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Cleek, Margaret (1978)
Associate Professor, Psychology
B.A., University of Illinois at Chicago
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Cooley, Kenneth W. (1968)
Associate Professor, Philosophy
B.A., Phillips University
M.A., Wichita State University
Ph.D., Southern Illinois University at Carbondale

Copoulos-Selle, Stephanie (1974)
Associate Professor, Art
B.F.A., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
M.F.A., University of Wisconsin-Milwaukee

D'Souza, Malcolm (1993)
Assistant Professor, Chemistry
B.S., University of Bombay
M.S., University of Bombay
M.S., Northern Illinois University
Ph.D., Northern Illinois University

Davis-Benavides, Christopher (1994)
Assistant Professor, Art
B.F.A., University of Wisconsin-Milwaukee
M.F.A., University of Wisconsin-Milwaukee

Dernehl, Nancy L. (1968)
Associate Professor, Biological Sciences
B.A., University of Wisconsin-Milwaukee
M.A., University of Michigan-Ann Arbor

Dills, Robert M. (1968)
Assistant Professor, Economics
B.A., University of Iowa
M.S., University of Wisconsin-Madison

Dolphin, Carol Z. (1978)
Associate Professor, Communication Arts
B.A., Alverno College
M.A., Marquette University

Essuman, Joe W. (1986)
Associate Professor, Economics
B.A., University of Cape Coast, Ghana
M.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Ewens, Jane E. (1971)
Associate Professor, Psychology
B.A., University of Santa Clara
M.A., University of Houston
Ph.D., University of Houston

Fischer, Carol A. (1976)
Associate Professor, Business
B.B.A., University of Wisconsin-Madison
M.B.A., University of Wisconsin-Madison

Fox, Harvey S. (1974)
Associate Professor, Mathematics
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Gutschow, Ronald P. (1969)
Associate Professor, Mathematics
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Habib, Asif D. (1989)
Assistant Professor, Chemistry
B.S., University of the Punjab, Pakistan
M.S., University of the Punjab, Pakistan
Ph.D., Catholic University of America

Hackenberger, Steven (1989)
Assistant Professor, Anthropology
B.A., University of Tulsa
M.A., Washington State University
Ph.D., Washington State University

Hundhausen, David F. (1965)
Associate Professor, Communication Arts
B.S., University of Wisconsin-Madison
M.A., University of Iowa

Hurst, Craig (1993)
Assistant Professor, Music
B.M., Boise State University
M.M.E., North Texas State University
Ph.D., University of North Texas

Janis, Martha G. (1982)
Associate Professor, Business
B.B.A., University of Wisconsin-Milwaukee
M.B.A., University of Wisconsin-Milwaukee

Johnson, Marlin P. (1967)
Associate Professor, Biological Sciences
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Kaufman, Gladis M. (1982)
Associate Professor, Anthropology
B.A., Wayne State University
M.A., Wayne State University
Ph.D., Wayne State University

Keller, Carla (1971)
Associate Professor, Biological Sciences
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Klingbeil, Jerrold L. (1967)
Associate Professor, Physical Education
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Knight, John H. (1969)
Associate Professor, Philosophy
B.A., University of Montana
M.A., The Ohio State University

Kosler, Karl A. (1983)
Associate Professor, Mathematics
B.A., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Kromarek, Kent (1983)
Assistant Professor, Mathematics
B.S., South Dakota School of Mines and Technology
M.S., University of Wisconsin-Milwaukee

Lange, James A. (1966)
Associate Professor, German
B.A., University of Michigan-Ann Arbor
M.A., University of Michigan-Ann Arbor
Ph.D., University of Wisconsin-Madison

Matthias, Andrea (1968)
Professor, Music
B.M., Lawrence University
M.M., Indiana University

McNulty, R. Blakely (1968)
Assistant Professor, History
B.A., University of South Carolina
M.A., University of South Carolina

Moss, Frederick K. (1966)
Associate Professor, English
B.A., Olivet College
M.A., Ohio University
Ph.D., University of Wisconsin-Madison

Murnan-Smith, Betty (1966)
Senior Lecturer, Associate Professor Emeritus, English
B.A., Butler University
M.A., University of Iowa

Naim, Shamim (1985)
Associate Professor, Geography
B.A., University of Allahabad, India
M.A., University of Allahabad, India
Ph.D., Oregon State University

Nair, Sasidharan (1984)
Associate Professor, Computer Science
B.S., Kerala University, India
M.S.C., Revishankar University, India
M.S., Ohio University

Nelson, Neal D. (1983)
Associate Professor, Physical Education/Athletics
B.S., University of Wisconsin-La Crosse
M.A., Adams State University

Otu, Joseph (1992)
Assistant Professor, Physics
B.S., University of Nigeria, Nigeria
M.S., Simon Fraser University, Canada
Ph.D., University of Alabama

Parker, Alan (1976)
Professor, Biological Sciences
B.S., Eastern Illinois University
M.S., Eastern Illinois University
Ph.D., University of Illinois at Urbana-Champaign

Pierre, Gerald J. (1975)
Assistant Professor, English
B.A., Saint John's University (Minnesota)
M.A., University of Minnesota-Twin Cities
Ph.D., University of Minnesota-Twin Cities

Rodriguez, Cecilia M. (1985)
Associate Professor, Spanish
B.A., University of Costa Rica, Costa Rica
M.A., University of Kansas
Ph.D., University of Kansas

Rodriguez, Luis G. (1989)
Assistant Professor, Engineering
B.S., Monterrey Institute of Technology, Mexico
M.S., Monterrey Institute of Technology, Mexico
Ph.D., University of Wisconsin-Madison

Rohe, Randall E. (1983)
Professor, Geography
B.A., Carroll College
M.A., University of Colorado at Boulder
Ph.D., University of Colorado at Boulder

Rozga, Margaret M. (1982)
Associate Professor, English
B.A., Alverno College
M.A., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Rozga, Therese A. (1968)
Associate Professor, Communication Arts
B.S., John Carroll University
M.A., Marquette University

Ryan, Mary F. (1968)

Associate Professor, Physical Education/Athletics
B.S., University of Illinois at Urbana-Champaign
M.S., University of Wisconsin-Madison

Sadler, Walter L. (1962)

Associate Professor, Mathematics
B.A., Alfred University
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Shah, Ghulam M. (1970)

Professor, Mathematics
B.A., Kashmir University, India
M.A., Aligarh University, India
LL.B., Aligarh University, India
Ph.D., University of Wisconsin-Milwaukee

Sithole, Rejoice Dorothy (1990)

Assistant Professor, Sociology
B.A.S.W., University of Zululand, South Africa
M.S.W., Washington University
Ph.D., Washington University

Skryja, David D. (1976)

Associate Professor, Biological Sciences
B.A., University of Nebraska at Omaha
M.S., University of Wyoming
Ph.D., Arizona State University

Stave, Shirley A. (1993)

Assistant Professor, English
B.A., Concordia College
Ph.D., University of Minnesota

Stonitsch, J. Peter (1976)

Assistant Professor, Mathematics
B.S., University of Notre Dame
M.S., University of Notre Dame
Ph.D., University of Notre Dame

Tien, Hung-Mao H. (1968)

Professor, Political Science
B.A., Tunghai University, Taiwan
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Toenes, Sara J. (1966)

Associate Professor, French
B.A., University of North Carolina
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Udovich, Gary J. (1976)

Associate Professor, Chemistry
B.S., Carroll College
Ph.D., University of Wyoming

Weast, Donald E. (1969)

Professor, Sociology
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Werner, Steven E. (1974)

Associate Professor, History
B.A., Lawrence University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Wickliffe, Morris E. (1976)

Associate Professor, Physics
B.S., Arkansas Polytechnic College
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Zanichkowsky, Elizabeth M. (1993)

Assistant Professor, English
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Zessin, Bruce D. (1969)

Associate Professor, English
A.B., University of California-Los Angeles
M.S., University of Wisconsin-Madison
Ph.D., University of California-Los Angeles

Zweifel, Philip (1976)

Associate Professor, English
B.A., Saint John's University (Minnesota)
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

University of Wisconsin Centers 1995-96 Academic Year Calendar

Semester I

Registration August 28-31, Sept. 1
Labor Day Holiday September 4
First day of classes September 5
Thanksgiving recess November 23-24
Last day of classes December 18
Study days December 16-17
Examinations December 19-23

Semester II

Registration January 10-12, 16-17
Martin Luther King Holiday January 15
First day of classes January 18
Spring vacation March 18-22
Good Friday April 5
Last day of classes May 13
Study days May 11-12
Examinations May 14-17, May 20

The University of Wisconsin Centers does not discriminate on the basis of age, race, religion, creed, color, handicap, gender, sexual orientation, developmental disability, national origin, ancestry, marital status, arrest record, or conviction record in employment or in admission to and treatment in its educational programs and activities as required by state and federal laws and regulations. Inquiries concerning the application of AA/EEO procedures may be directed to the Affirmative Action Office, 780 Regent Street, Madison, WI 53708-8680, 608/262-2578.

The University of Wisconsin Centers reserves the right to change any regulation or requirement at any time during a student's attendance. This catalog does not constitute a contract between a student attending a University of Wisconsin Center and the institution. The sole purpose of this catalog is to provide students with information on course listings, requirements, and regulations in effect at the time of publication.

Index

- Abbreviations, associate degree designations, 24
- Abbreviations, departmental, 24
- Academic Calendar, 104
- Academic credit, 13
- Academic progress for financial aid eligibility, 9
- Academic standing, 18
- Academic withdrawal,
 - financial aid obligations, 10, 12
- Accreditation, i
- Adding courses, 12
- Addresses by campus, i
- Administration, UW Centers central office, vii
- Administration, UW System, vi
- Admission policy, 1
- Admission requirements, 1
- Advanced Placement, 14
- Advanced standing credit, 14
- Aid to Families with Dependent Children, 7
- American College Test (ACT), 1, 2
- Americans with Disabilities Act (ADA), 1
- Anthropology, 25
 - Anthropology, Biological, 25
 - Anthropology, Cultural: Topical and Area, 25
 - Anthropology, General, 25
 - Anthropology, Linguistic, 25
 - Anthropology, Prehistorical, 25
- Application for admission, 3
- Application for financial aid, 7
- Art, 26
- Associate degree transfer, 21
- Associate of Arts and Science Degree, 22
- Astronomy, 28
- Auditing a class, 13
- Auditors, 4
- Bacteriology, 28
- Baraboo/Sauk County, UWC, 63
- Barron County, UWC, 66
- Biology, 28
- Board of Regents, UW System, vi
- Board of Visitors, UW Centers, vi
- Botany, 29
- Business, 29
- Calendar, Academic, 104
- Calculation of financial aid, 8
- Campus locations, i
- Chemistry, 30
- Class attendance, 11
- College Level Examination Program (CLEP), 14
- Communication Arts, 31
- Computer Science, 32
- Concurrent registration, 11
- Course descriptions, 24
- Credit load, 13
- Dean's List, 16
- Degree requirements, 22
- Disciplines, 23
- Distance Education Courses, 24
- Distinctive programs, viii
- Dropping courses, 12
- Economics, 33
- Education, 34
- Eligibility for financial aid, 5
- Employment, 7
- Engineering, 34
 - Engineering Graphics, 34
 - Engineering Mechanics, 34
- English 102 exemption, 14, 23
 - Non-degree Credit Courses, 59
- English and Literature, 35
- Family Educational Rights
 - and Privacy Act of 1974, 19, 20
- Final examinations, 17
- Final grades, 17
- Financial aid, 5
- Financial aid, types, 6
- Fond du Lac, UWC, 69
- Foreign Language
 - French, 37
 - German, 41
 - Spanish, 56
- Forestry, 37
- Fox Valley, UWC, 72
- French, 37
- Frequently asked questions, iv
- General education requirements, 22
- Geography, 39
- Geology, 40
- German, 41
- Grade appeal policy, 17
- Grade point average, 16
- Grade point requirements, 18
- Grading system, 16
- Grants, 6
- High risk and waiting list admissions categories, 2
- High school students, 4
- History, 42
- History of the UW Centers, vi
- Incomplete grade, 16
- Independent study (correspondence course through UW Extension), 11
- Interdisciplinary Studies, 44
- International students, 4
- Joint admission, 3
- Late registration, 12
- Learning Resources, 59
- Lecture (University) Forum, 45

Loans, 6
Manitowoc County, UWC, 75
Marathon County, UWC, 78
Marinette County, UWC, 82
Marshfield/Wood County, UWC, 84
Mathematics, 45
 105 Proficiency, 14, 23
 Non-degree Credit Courses, 60
Matriculating special students, 4
Meteorology, 46
Mid-term grades, 17
Mission of the UW Centers, ii
Music, 46
Music, Applied, 48
Natural Resources, 49
Nontraditional students, 4
Oxford College Program, viii
Pass/fail courses, 13
Pathways to Opportunity, viii
Pell Grant, 6
Philosophy, 49
Physical Education and Athletics, 50
Physics, 52
Physiology, 52
Placement testing, 1
Political Science, 53
Postsecondary Re-entry Education Program
 (PREP), viii
Probation and suspension, 18
Project Excel, viii
Psychology, 54
Re-admission, 19
Registration, 11
Registration hold policy, 11
Repeating a course, 13
Resident status for tuition purposes, 5
Returning students, 3
Richland, UWC, 87
Rock County, UWC, 90
Satisfactory academic progress for financial aid, 9
Scholarships, 6
Sheboygan County, UWC, 93
Sociology, 55
Spanish, 56
Special students, 4
Stafford loans, 6
Structure of the UW Centers, vi
Student classification, 13
Student guidelines, 19
Student records, rights of access, 19
Student Services Offices,
 addresses and telephone numbers, i
Student Support Services Programs, viii
Students with disabilities, 1
Suspension status, 18-19
Table of Contents, iii
Telephone numbers, by campus, i
Transcript request, 3, 21
Transfer from a UW Center, 21
Transfer into a UW Center, 3
Tuition and fees, 5
Types of financial aid, 6
UW-Extension Independent Study, 11
UW/WTCS Uniform Policy Statement
 on Credit Transfer, 3
Veterans' benefits, 7
Veterans' programs, certification for, 10
Vocational Rehabilitation Grants, 7
Washington County, UWC, 96
Waukesha County, UWC, 99
Wildlife, 58
Wisconsin Higher Education Grant, 6
Withdrawal, 12
Women's Studies, viii, 58
Work-Study, 7
Zero credit courses, 13
Zoology, 58

UWC—Baraboo/Sauk County
UWC—Barron County
UWC—Fond du Lac
UWC—Fox Valley
UWC—Manitowoc County
UWC—Marathon County
UWC—Marinette County
UWC—Marshfield/Wood County
UWC—Richland
UWC—Rock County
UWC—Sheboygan County
UWC—Washington County
UWC—Waukesha County

