



University of Wisconsin Centers

1988-89 Catalog
Volume I





University of Wisconsin Centers

***1988-89 Catalog
Volume I***



UW Centers campuses



UWC-Baraboo/Sauk County

Student Services Office
1006 Connie Road
Baraboo, WI 53913
(608) 356-8351

UWC-Barron County

Student Services Office
1800 College Drive
Rice Lake, WI 54868
(715) 234-8176

UWC-Fond du Lac

Student Services Office
Campus Drive
Fond du Lac, WI 54935
(414) 929-3608

UWC-Fox Valley

Student Services Office
1478 Midway Road
Menasha, WI 54952
(414) 832-2620

UWC-Manitowoc County

Student Services Office
705 Viebahn Street
Manitowoc, WI 54220
(414) 683-4707

UWC-Marathon County

Student Services Office
518 South 7th Avenue
Wausau, WI 54401
(715) 845-9602

UWC-Marinette County

Student Services Office
750 W. Bay Shore
Marinette, WI 54143
(715) 735-7470

UWC-Marshfield/Wood County

Student Services Office
2000 West 5th Street
Marshfield, WI 54449
(715) 387-1147

UWC-Richland

Student Services Office
Highway 14 West
Richland Center, Wisconsin 53581
(608) 647-6186

UWC-Rock County

Student Services Office
2909 Kellogg Avenue
Janesville, WI 53545
(608) 755-2823

UWC-Sheboygan County

Student Services Office
One University Drive
Sheboygan, WI 53081
(414) 459-3733

UWC-Washington County

Student Services Office
400 University Drive
West Bend, WI 53095
(414) 338-5201

UWC-Waukesha County

Student Services Office
1500 University Drive
Waukesha, WI 53188
(414) 521-5210



Table of Contents

UW Centers	3
Locations	
Addresses	
Telephone numbers	
Frequently asked questions	6-7
UW System	8
Board of Regents	
System administration	
UW Centers	8-9
Central office administration	
History	
Structure	
Board of Visitors	
Distinctive programs	10-11
Admission, Tuition and Fees,	
Financial Aid	12-19
Registration, Academic Procedures,	
Regulations	20-28
Transfer	29
Degree Requirements	30-32
Baraboo/Sauk County	33
Barron County	34
Fond du Lac	35
Fox Valley	36
Manitowoc County	37
Marathon County	38
Marinette County	39
Marshfield/Wood County	40
Richland	41
Rock County	42
Sheboygan County	43
Washington County	44
Waukesha County	45
Academic calendars	46
Index	47

In cover photo, Alice Homstad, member of the Spanish faculty, confers with a UWC—Sheboygan County student.

Catalog graphic design by Camilla Klyve.

How to use this catalog

Although you are enrolled at a specific UW Center, the policies and procedures are the same for students at each of the 13 UW Centers throughout Wisconsin. This catalog provides you with an overview of admissions, registration and financial aid procedures, as well as academic regulations and programs at the UW Centers. By reading this catalog, you will find what the institution can offer you as well as what is expected of you as a student.

Information on individual campuses, course descriptions and listings of campus faculty and staff are included in Volume II of this catalog, to be published in August 1988.

Assistance in developing your course of study and in planning for transfer to other institutions is available from an advisor in your UW Center Office of Student Services, or you may be referred to a faculty advisor who will assist in planning your academic program.

Additional information on co-curricular activities, financial aid, special academic programs, and special features of your UW Center is available in the campus Office of Student Services.

Our commitment to you

The University of Wisconsin Centers, a collection of 13, locally owned campuses located throughout the state, is proud of its transfer mission within the University of Wisconsin System. The UW Centers freshman/sophomore curriculum is aimed at providing 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 developed 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 your upperclassman years to experience activities 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.

Excellence in teaching, personal interest, 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 have been constructed by local county and/or city government, and the UW Centers are vital educational and cultural resources for area residents.

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

A. The UW Centers is one institution, consisting of 13 freshman/sophomore campuses, and is one of 15 institutions in the UW System. Also included are 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. Credits earned at a UW Center are University of Wisconsin credits and will transfer to other UW institutions and to colleges and universities across the country. However, it is important that you consult with the Student Services Office at your UW Center for detailed information about specific program requirements at other UW institutions and Wisconsin's private colleges. You should seek the help of an advisor as you plan your program of study. Ask about special articulation agreements and joint admission, which may

ease your transfer to UW institutions and private colleges.

Q. Will starting at a UW Center and then transferring to complete my bachelor's degree be an advantage?

A. Yes. Studies by UW universities show that UW Centers students do well when they transfer. In fact, many earn higher grade point averages after transferring than they did at the UW Center. Also, at some universities, students who transfer from UW Centers have been found to earn higher grade point averages than students who begin at that university.

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 or have a high school equivalent certificate, such as a GED, your chances of being accepted are good. However, if 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 give special consideration to applicants who have been out of high school for more than two years and to veterans. Because there will be frequent changes in the UW Centers admission policy in the next three years, you should consult the admissions section of this catalog for the specific policy which will affect you.

Q. How do I apply?

A. Applying is simple. Obtain an application form 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 along with 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 offer a liberal arts associate degree. Beginning Fall Semester 1988, the UW Centers will offer a new Associate of Arts and Science Degree. The associate degree can be an advantage when you transfer to complete your bachelor's degree. In fact, all University of Wisconsin institutions will accept the new associate degree of the UW Centers as fulfilling the university-wide, college and school general education breadth 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 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 place 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 Center 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 believe in the importance of a mix of ages and experiences in a university classroom. Because over 34 percent of UW Centers students are over age 25, faculty members and advisors are particularly aware of the special needs of non-traditional students. You will find orientation programs, services or organizations for students like yourself. 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 has always 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. Is housing available in communities where UW Centers are located?

- A. Off-campus housing is available in every UW Center community. On-campus housing is available at UWC-Marathon, and private residence facilities for students are located near UWC-Marshfield/Wood, UWC-Barron, and UWC-Richland.

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. Who 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 Office of Student Services on 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

Ruth C. Clusen, Green Bay
Erroll B. Davis, Jr., Madison
Ody J. Fish, Hartland
Ness Flores, Waukesha
M. William Gerrard, Madison
Herbert J. Grover, Madison
Camilla R. Hanson, Mellen
Paul E. Hassett, Madison
Frank H. Heckrodt, Appleton
John M. Jarvis, Milwaukee
Esther Luckhardt, Horicon
 -pending State Senate confirmation
Thomas L. Lyon, Shawano
Albert O. Nicholas, Milwaukee
Frank L. Nikolay, Abbotsford
Paul R. Shilling, Milwaukee
Obert J. Vattendahl, Milwaukee
Laurence A. Weinstein, Madison

System administration

Kenneth A. Shaw, President
Katherine C. Lyall, Executive Vice President
Eugene P. Trani, Vice President for Academic Affairs
Ray Marnocha, Acting Vice President for Business
 and Finance
Paul Brown, Vice President for Physical Planning and
 Development
Ronald C. Bornstein, Vice President for University
 Relations

University of Wisconsin Centers

UW Centers central office administrative staff

Portch, Stephen R. (1986)
Chancellor
B.A., University of Reading, England
M.A., Pennsylvania State University
Ph.D., Pennsylvania State University

Kaplan, Arthur M. (1985)
Vice Chancellor
B.A., University of Maine
M.A., Boston University
Ph.D., Cornell University

Kucera, Antone F. (1966)
Assistant Chancellor for Administrative Services
B.A., Loras College
M.Ed., DePaul University

Lattin, Patricia H. (1984)
Associate Vice Chancellor
B.S., Memphis State University
M.A., Memphis State University
Ph.D., University of Kentucky

Liechty, Thornton A. (1975)
Associate Vice Chancellor
B.A., Haverford College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Anhalt, James A. (1969)
Coordinator, Business Services
B.S., University of Wisconsin-Madison

Edlebeck, Daniel J. (1985)
Registrar
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Milwaukee

Hinz, JoAnn M. (1985)
Assistant to the Chancellor for University Relations
B.S., University of Wisconsin-River Falls

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

History of the UW Centers

The roots of the UW Centers extend back 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 UW (Madison campus). Later, other UW Centers were added by institutions of the former Wisconsin State Universities. 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 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 10,800 students, including the largest number of freshmen in the UW System. More than 33 percent of the enrollment is over age 24, making the non-traditional student an important component of the student body. UW Centers are effective in meeting the needs of adult learners who are seeking life-long 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.

Faculty and Academic Staff governance is organized through campus collegiums, the UW Centers Senate, the institution-wide Academic Staff Advisory Committee, 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, two Associate Vice Chancellors, the Assistant Chancellor for Administrative Services, and their staffs. A central headquarters for the Chancellor and the administrative staff is located in Madison.

Board of Visitors

Thomas M. Alby, UWC-Fox Valley
Joseph S. Berger, Jr., UWC-Fond du Lac
Charles W. Conrardy, Jr., UWC-Sheboygan County
Gail L. Fox, UWC-Manitowoc County
Janet L. Hubbell, UWC-Washington County
Terry O. Leigh, UWC-Marinette County
Thomas H. Mihal, UWC-Waukesha County
John W. Mommsen, UWC-Barron County
James E. Olson, UWC-Richland
Allen J. Paschen, UWC-Baraboo/Sauk County
Beatrice A. Ptacek, UWC-Marshfield/Wood County
Gerald D. Viste, UWC-Marathon County
Joan M. Waite, UWC-Rock County



Distinctive programs

Central American Programs. UWC-Marathon County in Wausau and UWC-Richland in Richland Center are the sites of programs for Central American students. Both programs are funded by the U.S. Agency for International Development and are administered by Georgetown University in Washington, D.C.

The Central American Peace Scholarships (CAPS) Program at UWC-Marathon and the Central American Scholarship Program (CASP) at UWC-Richland are offered to Central American students on the basis of their academic and leadership potential. After studying for two years at UWC-Marathon, CAPS students transfer (usually to other UW institutions) to complete work on bachelor's degrees before returning to their countries. After two years at UWC-Richland, CASP students return to their home countries to continue their education or to work at professional or management training jobs.



In addition to enrolling in the regularly offered liberal arts courses of the UW Centers, CAPS and CASP students place special emphasis on improving their English skills. Trips to major U.S. cities, homestays and local volunteer projects are ways the program helps the Central American students learn about American society. At the same time, these students bring a cultural diversity to the UW Centers which is critical to a liberal arts education.

Developmental Education Program. The Developmental Education Program is located at UWC-Rock County, UWC-Waukesha County, and UWC-Baraboo/Sauk County (at the Federal Correctional Institution-Oxford), and is 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 Developmental Education Program are to improve the college skills of eligible students and retain those students to graduation (associate degree) or transfer them to colleges and universities where they may earn the bachelor's degree. The program is supported by UW Centers funding in addition to a grant from the U.S. Department of Education Special Services for Disadvantaged Students.

UWC-Baraboo/Sauk County Oxford College Program. This program is located at the Oxford Federal Correctional Institution. Inmates who are eligible for admission to the UW Centers enroll as matriculating students. In addition to regular freshman/sophomore credit programming, the Oxford College Program offers an on-site college library. Through the UW Centers Development Education Program, students are provided with intensive academic advising and special assistance in reading, writing and mathematics skills. Junior/ senior level courses leading to a baccalaureate degree are offered by UW Stevens Point.

In addition to funding from student financial aid, the Oxford College Program is supported by the Federal Bureau of Prisons, the UW Centers and UW System Administration.

Postsecondary Re-Entry Education Program (PREP). This program provides inmates in Wisconsin state correctional institutions with the opportunity to obtain the knowledge and skills that will facilitate successful re-entry into society and the world of work. In addition to offering the UW Centers associate degree program, PREP emphasizes college skills, computer literacy and career skills, as well as workshops and counseling dealing with re-entry skills. Cultural programs and lectures are presented to broaden students' awareness of humanistic values and appreciation of cultural works.



Faculty from various UW Centers campuses travel to the correctional institutions to teach.

PREP is offered to those incarcerated at Kettle Moraine, Taycheedah and Waupun Correctional Institutions who are eligible for admission to the UW Centers. In addition to funding from student financial aid, including special Talent Incentive Program grants, PREP is supported by the UW System Administration, the UW Centers and the Wisconsin Division of Corrections.

Summer Session in London. The UW Centers, in cooperation with the American Institute for Foreign Study (AIFS), offers an eight week, eight credit summer program in London. Students enroll in two courses taught by UW Centers faculty and a course in British culture, taught by a British professor. The curriculum varies, and the courses offered are appropriate to London. All courses earn UW Centers credit.

UW Centers students are housed in AIFS residence buildings with other students from throughout the world and have the opportunity to participate in specially arranged tours and cultural events in London and the surrounding area. Contact your Student Services Office for more information.

Women's Studies. Women's Studies is an academic discipline aimed at both a better understanding of women and developing new theories and tools for a more comprehensive study of women. Women's Studies courses examine past and present scholarship about women, challenge the traditional disciplines in their conventional disregard of women, and raise questions about women's subordination in relationships and society.

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, Philosophy, 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



Admission policy

Anyone who desires a University education will be considered for admission to a University of Wisconsin Center. However, if your high school record, placement test score 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 discretionary admission."

Placement testing

An admission test is not required; however, you will be required to take English and mathematics placement tests (without charge) prior to registering as a freshman, in order to aid program advisors.

Beginning Fall Semester 1989, the American College Test (ACT) will be required of all incoming University of Wisconsin freshmen. The test will be used for academic advising, career planning and placement test interpretation. If you plan to enroll at a UW Center during the 1988-89 academic year, you are advised to take either the ACT or the Scholastic Aptitude Test (SAT) for these purposes.

Admission Requirements

Fall 1988

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

1. Have graduated from a recognized high school, have a G.E.D., or present other evidence of ability to begin university work.
2. Have completed at least nine high school credits in any of the following areas: English (3 credits recommended), speech, foreign language, natural science, social science and mathematics (2 credits, other than general mathematics, recommended). Those who earned the G.E.D. are assumed to have met this requirement.

If you fail to meet these requirements, you may appeal to the UW Center Director of Student Services for an exemption. Particular consideration will be given to applicants who have been out of school for two or more years or who have served at least 180 days active duty in the armed services.

Admission Requirements

Spring 1989 through Spring 1991

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

1. Have graduated from a recognized high school, have a G.E.D., or present other evidence of ability to begin university work.
2. Meet the following 11 high school academic unit distribution requirements: 4 English credits, 3 Social Science credits, 2 Mathematics credits, and 2 Natural Science credits. Those who earned the G.E.D. are assumed to have met these requirements.
3. Beginning Fall Semester 1989, all applicants will be required to 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 who have been out of school for two or more years, who have served at least 180 days active duty in the armed services, or who graduated from high school before Fall 1988.

High risk and discretionary admission

Beginning Fall Semester 1988 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. G.E.D.
3. High school academic course deficiencies

Special programming will include:

1. 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 C grade average with 12 or more credits.

If you do not wish to register under the above 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 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 \$10 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 until 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 aids and their preferred schedule of courses.

Transfer into a UW Center

If you attended another college before applying for admission to a UW Center, you must complete the same application form used by prospective freshmen and submit transcripts from your high school and all colleges you attended. If you maintained a C grade average (2.00 on a 4.00 scale) at your previous college(s), you will be admitted. If you had less than a C average, the UW Centers academic regulations

(probation, suspended standards) will be used to determine your acceptance and probation status, if any.

You must submit official transcripts from all colleges attended even if you do not wish to claim credit for the work. Failure to do so could result in your being dismissed from the UW Center.

If you are a transfer student with less than a C average, particularly during the 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 class.

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, regardless of whether you received 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.

Returning students

If you weren't enrolled at a UW Center the previous semester (excluding Summer Session) you must file a University of Wisconsin System application for admission form 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 close of your last semester of enrollment at the UW Center you must seek permission from the Office of Student Services to re-enter.

Foreign students

The admission requirements outlined in the catalog do not apply to students who are not residents of the United States. Foreign applicants are admitted on the basis of superior scholastic ability as demonstrated by school records and certificates and on their ability to effectively use and understand the English language. Foreign applicants must also provide proof of their ability to pay all their expenses while they are students.

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

Special students

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. They must also have the recommendation of their high school principal. 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.

Non-matriculated students. Anyone may enroll for up to six credits of course work without submitting previous educational records. Those who plan to seek a degree must submit educational records after completing six hours of course work before they will be permitted to enroll in additional courses. If the student wishes to continue taking courses, a UW System Application for Undergraduate Admission must be submitted. Exceptions may be made for other non-matriculated students who are not seeking a degree.

Auditors. The UW Centers encourages adults to audit courses. All auditors must have approval of the instructor teaching the course in order to be admitted. Approval is usually granted unless admitting auditors will increase the classroom space requirements or costs of instruction. Wisconsin residents who are 62 years old or older, or 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.

Nontraditional students. The UW Centers encourages adults to apply for admission and work toward a degree, audit courses or simply take courses for enrichment. In 1987, over 33 percent of the students in the institution were over age 24. The adult enrollment varies from one UW Center to another but all the campuses have adult students in class.

Resident status for tuition purposes

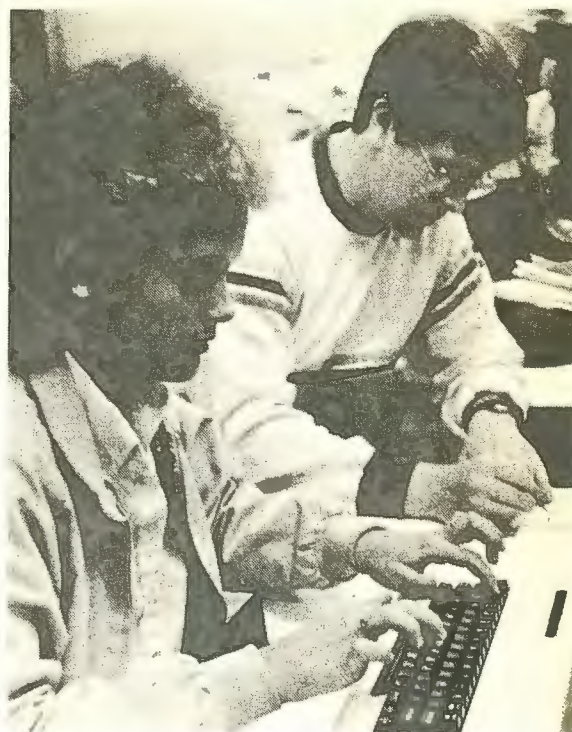
Regulations determining residency status for University of Wisconsin admission and tuition are in the Wisconsin Statutes. You are classified as a resident or non-resident when you are admitted to the UW System.

If you do not qualify as a resident of Wisconsin, you must pay non-resident tuition in addition to student fees. Residency regulations for tuition purposes differ from those established for voting, paying taxes, etc.

If you are a Minnesota resident, you may qualify for in-state tuition by applying to the Minnesota Higher Education Coordinating Commission, Suite 400, Capitol Square, 550 Cedar St., St. Paul, Minn. 55101.

If you have been a resident of Menominee County, Michigan for one year prior to your enrollment date, you may enroll at UWC-Marquette County as a Michigan-Wisconsin compact student. This compact agreement permits you to pay the resident tuition rate at UWC-Marquette County only.

If you are classified as a non-resident for tuition purposes and feel that classification is incorrect, contact your campus Office of Student Services.



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 1987-88 tuition and fees range from \$675 to \$719 per semester for full-time students who carry 12 or more credits; full-time, non-resident students fees range from \$2,054 to \$2,098 per semester. Part-time students, defined as those carrying 11 or fewer credits, pay from \$56 to \$60 per credit if they are residents and from \$171 to \$175 per credit if they are non-residents. Since 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. You must either pay your fees in full or enter into a formal partial payment agreement if one is offered by the campus.

Full-time students who fail to make the appropriate arrangements by the end of the first week of classes will face the following additional assessments:

- \$30 if fees are paid in the second week of classes
- \$45 if fees are paid in the third or fourth week of classes
- after the fourth week of classes, students will be assessed \$45 and their registration will be cancelled.

Part-time students who fail to make the appropriate financial arrangements face the following additional assessments:

- \$2.50/credit up to a maximum of \$30 if fees are paid in the second week of classes
- \$3.75/credit up to a maximum of \$45 if fees are paid in either the third or fourth week of classes
- after the fourth week of classes, students will be assessed the maximum penalty and their registration will be cancelled.

The UW Centers assesses two additional fees; there is a \$2/copy charge for transcripts and a \$5 bad-check charge plus any additional charges levied by the student's bank. Any student who owes the University money will be denied the issuance of a transcript.

Under special circumstances, a student may be granted a short-term payment deferral by the UW Center in order to extend the time to pay fees and to avoid the financial penalties. The most common reason for a payment deferral is when anticipated student financial aid checks are delayed. Contact the UW Center Student Services Office for information.

Students must complete an official withdrawal process through the Office of Student Services in order to establish an official date of withdrawal 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.

Fee and tuition refunds for the Fall and Spring Semesters will be made according to the following schedule:

Before or during:

1st week of classes	100% refund
2nd week of classes	80% refund
3rd week of classes	60% refund
4th week of classes	40% refund
After 4th week of classes	No refund

If fees have not been paid before withdrawal, cancellation of registration or dropping of credits, the Fall and Spring Semester payment schedule will be as follows:

Full-time students:

1st week of classes	No charge
2nd week of classes	\$30 plus 20% of original fee
3rd week of classes	\$45 plus 40% of original fee
4th week of classes	\$45 plus 60% of original fee
After 4th week of classes	\$45 plus full fee

Part-time students:

1st week of classes	No charge
2nd week of classes	\$2.50/credit to a maximum of \$30 plus 20% of original fee
3rd week of classes	\$3.75/credit to a maximum of \$45 plus 40% of original fee
4th week of classes	\$3.75/credit to a maximum of \$45 plus 60% of original fee
After 4th week of classes	\$3.75/credit to a maximum of \$45 plus full fee

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 done in the Madison office. In addition, each campus has one or more staff members who serve as financial aid advisors. These advisors are located in the Student Services Office on each campus. They can assist you in all areas of the financial aid process. They will 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 you must meet the following criteria.

1. You must be a United States citizen or be a permanent resident of the U.S. Foreign students are ineligible for aid.
2. You must carry at least six credits per semester (or three credits in the summer).
3. You must demonstrate financial need. There are some exceptions to this general rule. See the next section on types of aid for more details.
4. You must not have defaulted on any educational loan or owe a repayment on any previous federal grant provided to you by any post-secondary institution.
5. You must maintain satisfactory academic progress as outlined later in this section.
6. If you already have a baccalaureate degree you are not eligible for grant funds. However, you may be eligible for loans or the work-study program if you are 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 you must repay; and employment, which pays you for time worked on a job. There are also scholarship funds, which are similar to grants, and some miscellaneous benefits that can assist in financing your education. The sections below provide more information on the various types of funds available.

Grants

Grants are financial assistance to undergraduates which you do not have to repay (unless you withdraw from school). The amount of a specific grant will depend primarily on your financial need as well as on the availability of funds.

Pell Grants are the most common source of federal grant funds to low income undergraduates. The federal government determines a student's eligibility and award amount, which can range from \$200 to \$2700 per academic year.

Supplemental Educational Opportunity Grants (SEOG) are federal funds which are awarded to high need students according to institutionally specified guidelines. They can range from \$100 to \$4000 per academic year, although awards over \$1000 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 \$1800 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 \$1800 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 \$1800 per academic year.

Differentially Abled Grants are state awards for Wisconsin residents who have an auditory or visual impairment. These range from \$200 to \$1800 per academic year.

Minority grants are available through the state for Wisconsin residents who are of Black, Hispanic, Native American, or Southeast Asian heritage. These are based on both financial need and academic merit. Awards range from \$200 to \$2000 per academic year.

Scholarships

Scholarships are gifts from community, private, and campus sources. They may be based on academic merit or financial need or both. Campus foundations and local businesses provide in excess of \$197,000 in merit-based scholarships annually for students of the 13 UW Centers. No repayment is required. Contact your high school counselor and your campus Student Services Office for information on local scholarships.

Loans

Loans are awards which must be repaid after you graduate or discontinue study. Some loans are based on financial need. Others are not.

Perkins Loans (formerly National Direct Student Loans, NDSL) provide federal funds of up to \$4500 for the first two years of study. You must show financial need and be enrolled half-time to qualify. Interest does not accrue on your 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 simple interest annually. Provisions for deferring or cancelling payments are available.

Guaranteed Student Loans (GSL) are federal loans through banks and other lending agencies. You must show financial need and be enrolled half-time to qualify. Undergraduates may borrow up to \$2625 per year for the first two years of study and up to a maximum of \$17250 for their undergraduate career. The eight percent annual interest doesn't accrue nor does repayment begin until you are no longer enrolled at least half-time. Provisions for deferring payments are available. Contact your campus financial aid advisor for more information.

Parents Loans for Undergraduate Students (PLUS) 2 are variable interest rate loans made to parents of dependent students to help finance their children's education. The interest rate varies according to a federal index but cannot exceed 12 percent. These loans are NOT based on financial need. 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. Parents may borrow up to \$4000 annually for each child in college up to a maximum of \$20,000 for the child's undergraduate career. Provisions for deferring payments are available. For more information contact the financial aid advisor in the Student Services Office.

Supplemental Loans for Students (SLS) are variable interest rate loans made to independent students to help finance their education. The interest rate varies according to a federal index but cannot exceed 12 percent. These loans are NOT based on financial need. Up to \$4000 may be borrowed annually to a cumulative undergraduate maximum of \$20,000. Interest is NOT paid by the federal government. Repayment begins within 60 days after the money is disbursed to the student. Deferment provisions are available. Contact your campus financial aid advisor for more information.

Employment

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

College Work Study is a federal program offering employment to students who show financial need. Jobs are usually part-time, though students may work full-time during the summer.

Regular student employment opportunities are available on campus. Students working in this program do not need to show financial need.

Other aid and benefit programs

In addition to the various federal and state financial aid programs described above, the following additional sources of funding can assist you in financing your education.

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 your local Veterans Administration Office or your 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. Without AFDC many students with children could not afford to return to college. Contact your county social services office for additional information.

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

Applying for financial aid

There are a variety of forms you must complete in order to receive financial aid. All forms must be on file before a determination of aid eligibility can be made. Read the section below to determine what forms you need to complete. The forms are available at the Student Services Office on each campus. The FAF, FFS, and UW System Application for Undergraduate Admission also are available at all high school guidance offices.

1.) All students

- a. Submit a UW Centers Financial Aid Application (FAA) to your campus Student Services Office.
- b. File a need analysis document, either the Financial Aid Form (FAF) from the College Scholarship Service or the Family Financial Statement (FFS) from American College Testing. Instructions and a pre-addressed mailing envelope are provided with each form. Be sure to indicate on the form that you wish to apply for a Pell Grant and the Wisconsin Higher Education Grant (if you are a state resident). Four to six weeks after you file the FAF or FFS you will receive an acknowledgement from the processor. Keep this for your records—DO NOT submit your acknowledgment to the campus Student Services Office or the UW Centers central Financial Aid Office.
- c. At about the same time you receive the acknowledgment from the processor you will receive a Student Aid Report (SAR) from the U.S. Department of Education indicating your eligibility for the Pell Grant. Submit ALL copies of the SAR to your campus Student Services Office WHETHER OR NOT you are eligible for a Pell grant.
- d. There may be other forms required of you by the UW Centers central Financial Aid Office. You will be informed by mail of any additional forms or information needed.

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. Be sure to complete the questions regarding financial aid.

3.) Transfer students

In addition to the requirements of all students in #1 above, you must also:

- a. Submit a UW System Application for Undergraduate Admission to your campus Student Services Office. Be sure to complete the questions regarding financial aid.
- b. Send a Financial Aid Transcript (FAT) to each post-secondary institution you have attended. This is required regardless of whether you received financial aid at your previous institution(s).



When to apply for financial aid

Some aid sources are limited. Therefore you 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 will be given funding priority and will be the first to hear about their financial aid eligibility.

YOU MUST APPLY FOR FINANCIAL AID EACH YEAR. Eligibility does NOT carry over from one academic year to the next.

How awards are calculated

All awards, except PLUS and SLS loans and some scholarship funds, are made on the basis of financial need. Financial need is defined as the difference between your actual cost of an academic year of college and the amount you and your family are expected to contribute to that cost. The determination of your expected contribution is based on the information provided on your need analysis document.

Standard budgets are developed by the UW Centers central Financial Aid Office to cover all 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 financial aid award will equal the calculated need of the student. While individual expenses will vary, awards for the 1988-89 academic year will be based on the estimates used in the Budgets section.

Following is an example of how a financial aid award is determined. A detailed explanation of the formula used to determine the expected family contribution is outlined in "Meeting College Costs," a pamphlet published by the College Scholarship Service and available from high school guidance counselors.

Budgets

The figures below represent estimates of the budgets used by UW Centers for single students for academic year 1988-89. At the time this publication was printed, exact figures were not determined. Amounts may vary up or down. To estimate costs for 1989-90 multiply the amounts for 1988-89 by 1.05.)

1988-89 Budget Components	Student Living with Parents	Student Living Away from Parents
Tuition and fees*	\$1430	\$1430
Books and Supplies	\$ 340	\$ 340
Rent and Utilities	\$ 360	\$1890
Food	\$1140	\$1180
Transportation	\$ 550	\$ 550
Miscellaneous**	\$ 580	\$ 940
Total Budget	\$4400	\$6330

* 1) Non-resident costs are substantially higher. Add approximately \$2900 unless you are covered by a tuition reciprocity agreement with Minnesota or Menominee County, Mich.

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

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

Sample case

Four-member family (2 parents, 2 children, one parent working, one child in college)

Total 1987 earned income (before taxes).....\$24,000.
Total assets (including equity in home).....\$20,000.

Estimated expected parents contribution.....\$ 1,050.
Estimated expected student contribution.....\$ 750.
Total expected family contribution.....\$ 1,800.

	With Parents	Away From Parents
Total budget	\$4400	\$6330
Less total family contribution	- 1800	- 1800
Financial need	\$2600	\$4530

Every effort is made to offer you financial aid to cover your financial need. The greater your need, the more aid you are likely to be offered. Aid awards may be a combination of grants, loans, and employment. All awards are likely to have offers 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 parents is going to show more need than one living with parents, the higher need will probably include a higher loan amount and, therefore, additional educational indebtedness will likely result for those who live away from home.

Satisfactory academic progress for financial aid eligibility

In addition to the academic standards of the UW Centers, you must maintain satisfactory progress according to the standards listed below if you wish to retain your financial aid eligibility. Your entire academic record at the UW Centers, including semesters for which you did not receive financial aid, will be evaluated to determine your eligibility.

1. If you initially enroll for six or more credits in a semester, you may receive aid for up to five academic years (10 semesters). If you enroll for fewer than six credits in a semester you are not eligible for aid and your academic progress will not be evaluated during that semester.

2. You must meet the following academic standards for each even-numbered semester of your attendance. The credit requirements for each even-numbered semester are listed in the schedule below. Regardless of whether you begin to attend in the fall or spring semester, or if you skip one or more semesters and then re-enter, your academic progress will be measured after each even-numbered semester of your attendance based on the number of successfully completed credits. A successfully completed credit is one in which you earn a grade of D or better. Note: Summer sessions are not counted as semesters of attendance. However, credits earned during summer sessions will be added to your total credits earned when determining academic progress.

Semesters completed	2	4	6	8	10
Credits successfully completed	12	24	36	48	60

3. If you do not earn the minimum number of credits per semester as outlined above, you will be ineligible to receive aid. An exception to this is discussed in 9 below.

4. Your eligibility may be reinstated at the end of any semester in which you earn enough credits to satisfy the minimum requirements of the following schedule:

Semesters completed	3	4	5	6	7	8	9
Credits successfully completed	18	24	30	36	42	48	54

5. Remedial courses taken at a UW Center will count in the determination of your academic progress in the same way as all other courses.

6. The credits you earn for any course may be counted only once. If you enroll a second or third time in a course which you have already successfully completed, 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 better.

9. If you lose your financial aid eligibility for failing to meet these requirements, you may appeal the decision to the designated committee at your campus. The committee may allow you to receive financial aid for one additional semester if it finds that there were mitigating circumstances which caused your unsatisfactory academic progress. The Student Services Office at your campus can tell you more about this committee and about satisfactory academic progress.

Academic withdrawal

If you receive financial aid and withdraw from the UW Center, you may owe a repayment on the loans or grants you received. All repayments are calculated based upon the number of weeks you were enrolled, and the cost of education used to determine your award. You will not owe a repayment on grants or loans used to pay tuition, or which were used to pay book costs 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 make repayment will have their records held, and will not be eligible to receive financial aid at any institution until repayment has been made.

If you plan to withdraw and have received financial aid you should first 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.

Registration, Academic Procedures, Regulations

Registration and academic regulations and procedures are subject to change. Your campus Office of Student Services 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.

While registration sessions may be scheduled several months before the actual beginning of classes, each UW Center also has a registration period the week before the beginning of classes. The schedule of classes and specific information on the time, places and dates of registration are available from your campus Office of Student Services.

If you complete a 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 as explained in this catalog. Failure to officially withdraw 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.

Registration hold policy

If you owe the UW Centers a fine, money, materials or are delinquent on payment of a loan obtained through the UW Centers Financial Aid Office, a hold may be placed on your records. That may prohibit you from registering in the future and will prevent issuance of your transcript.

Concurrent registration

You may enroll in courses at more than one UW Center, at a UW Center and another institution in the UW System, or take courses through a UW Center and UW Extension.

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:

- you have paid full load tuition fees at a UW Center.
- your total credits do not exceed the maximum allowed by the UW Center.
- you have obtained written permission to take the course from the campus Student Services Office.

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 Office of Student Services for an independent study list and appropriate forms.

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 fee 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 may combine UW Extension credits with UW Center credits when determining fees and tuition charges.

Late registration

Late registration is governed by the same regulations as adding a course.

Adding courses

You may add a course or courses by completing the appropriate Change of Program/Add card during the first two weeks of a semester, the first week of an eight-week course, and during a proportionate time for shorter courses. The form must be received in the Office of Student Services by the deadline date published in the campus timetable. Your campus may require the signature of your advisor and/or instructor. The date you return the completed form to the Office of Student Services is the effective date used for official records and billing.

You may add a course after the second week of classes of a semester if the change was necessary because you dropped a course and are substituting a lower level course in the same discipline.

Exceptions to the time limit are made only with the written consent of the instructor.

Dropping courses

You may drop a course or courses by completing the Change of Program/Drop card during the first 10 weeks of a semester-long course, the first five weeks of an eight-week course, and a proportionate time for shorter courses. The form must be received in the Office of Student Services by the deadline date published in the campus timetable. Your campus may require the signature of your advisor and/or instructor.

If you fail to complete the drop form and simply stop attending class, you may receive an official grade of F. The date you return the completed drop form to the Office of Student Services is the effective date used for official record and billing purposes. If you drop a class after the third week of classes, a grade of W will be recorded on your official record. Tuition refunds are governed by the UW Board of Regents Fee Schedule, issued annually.

Withdrawal

Withdrawal is termination of your registration in all courses for the semester. Non-attendance does not constitute official withdrawal. You may officially withdraw from the university by:

- a) **Withdrawal Form.** Submitting a completed Withdrawal Form to the Office of Student Services. 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 signature to the Office of Student Services 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. NOTE: A two-day grace period will be allowed to accommodate rural postal dispatches.
- c) **Telephone call.** If this option is utilized, 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 Centers campus that utilizes a textbook rental practice, the official withdrawal process includes the return of the texts to the appropriate office.

You must complete the official withdrawal process in any of the three ways outlined above no later than the 10th week of classes of any semester, the end of the fifth week of an eight-week Summer Ses-

sion, or proportionate time for a shorter session. If you do not withdraw in any of the ways stated above, you will receive grades in all courses for which you were registered.

Your tuition refund is governed by the UW Board of Regents Fee Refund Schedule, issued annually. The date your withdrawal is officially completed or your call is received in the appropriate office is the date used for calculating tuition refunds.

Withdrawal during a semester may result in loss of financial aid eligibility as outlined in the Financial Aid section of this catalog. Contact your Student Services Office for more information about withdrawing.

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 in out-of-class preparation and study each week for each credit.

Student classification

0 - 29 degree credits equal freshman standing 30 or more degree credits equal sophomore standing

Credit load

Freshmen may enroll in a maximum of 17 credits a semester; sophomores may enroll in up to 18 credits. You 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. You must have the approval of your Student Services advisor to enroll in more than the maximum number of credits.

Non-degree credit

Some courses, such as MAT 081 (high school geometry) and 091 (high school algebra) are non-degree credit courses. Non-degree credit courses will not count toward your associate degree and are not used to determine your grade point average. However, such courses taken at a UW Center will be used to determine whether or not you have completed enough course work to maintain satisfactory academic standing.

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 explore a field or subject without worrying about the letter grade you earn. Only the



elective courses which apply toward an associate degree may be taken as pass/fail. 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 GPA.

All students may elect one pass/fail course each semester, including Summer Session. You may elect two pass/fail courses as a freshman and two 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.

Since most universities do not allow pass/fail courses to count toward either a major or general studies requirement, you should not, if you are undecided about your major, take any courses on a pass/fail basis which might later meet degree requirements in your major field.

Instructors in non-degree credit courses listed in the catalog and instructors in LEC (lecture forum) 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 any 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 and do not count toward your GPA. Nor do they 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 GPA or to improve your foundations 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. If you repeat a course to improve your GPA, you must file a Course Repeat Form during the semester in which you repeat the course. If this form has been filed, only the most recent credits attempted and the grade earned are used to compute your cumulative GPA. Courses you repeated at other schools will not affect your UW Center GPA.

If you do not file a Course Repeat Form, all credits attempted and grades earned are used to compute your GPA. Courses you repeat may 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 have not earned six credits toward your degree. Orchestra and Chorus are examples of courses you can take for degree credit more than one time.

You should consult the Office of Student Services if you plan to repeat a course, especially if you are receiving Veterans Administration or Social Security benefits.

Credit by examination

If you are classified as a degree seeking student (freshman or sophomore), you may earn credit for specific courses by taking an examination. The courses for which this applies are determined by the department, and standard examinations such as the College Level Examination Program (CLEP) exams or the College Entrance Examination Board Advanced Placement Examination are used. Credits earned by examination will be recorded on your transcript as such and grades will not be assigned to those courses. If you fail the examination, that failure will not appear on your transcript. Additional information on earning credits by examination is available in your campus Office of Student Services.

Some departments have specific policies regarding credit by examination. If you are interested in earning credit for courses other than those listed below, consult an instructor in the academic department or an advisor in the Office of Student Services. Also, because the UW Centers curriculum is under revision, the following course numbers may change.

Art Department. You may submit portfolios to establish credit in studio-type courses.

Biology Department. You may take a challenge examination in any course offered by the department. If you wish to establish credit by examination, contact a faculty member. The examination may be requested at any time during the semester. If you pass the examination, you will receive credit equal to the credit for the course offered. For example, if you successfully challenge Botany 130, you will receive five credits for the class.

You may receive five credits for BIO 151 if you score four or five on the Biology Exam of the Advanced Placement Program of the College Board. If you earn a grade of five, six or seven on the Higher Level Biology Examination of the International Baccalaureate (IB) Program, you will receive five credits of BIO 151. If you earn a grade of four on the IB exam you won't receive credit but you may earn advanced placement by taking a departmental exam.

Business Department. You may earn four credits in BUS 201 by scoring at or above the 50th percentile on the CLEP Subject Examination in Introductory Accounting.

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

ENG 102 - by scoring at or above the 50th percentile 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 scoring at or above the 60th percentile 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 scoring at or above the 70th percentile 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 scoring at or above the 50th percentile 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 scoring at or above the 50th percentile 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 scoring at or above the 50th percentile 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.

Foreign Language Department. (French, German, Spanish) You may earn credits for the elementary and intermediate courses (101, 102, 201, 202) lower than the first course you complete at your UW Center if you complete that course with a grade of B or better. This policy is strictly enforced; a B- is not acceptable. You may earn a maximum of 16 foreign language credits in this manner. If you wish to earn credits by this method, contact the appropriate instructor at the beginning of the semester.

You may also earn foreign language credit by taking the appropriate CLEP exam and placing in the 90th percentile or above. 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 102 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.

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.

History Department. You may earn six credits in HIS 101 and 102 (United States History) by achieving a score of four or five on the Advanced Placement Examination in U.S. History. With a score of five, six or seven on the Higher Level International Baccalaureate examination, you may also earn six credits in Modern History.

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 better. A grade of C- is not acceptable. To earn credit

by exam, contact a mathematics instructor.

You may earn five credits for MAT 221 if you receive a score of three, four or five on the Advanced Placement Examination Calculus AB exam.

You can earn 10 credits for MAT 221 and 222 if you score three, four or five on the Advanced Placement Examination Calculus BC exam.

If you receive a score of two on the BC exam you will receive five credits for MAT 221.

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 will be awarded, as indicated below, when you score at or above the 50th percentile on established national sophomore CLEP norms.

1. Humanities section - a maximum of six credits.
2. Social sciences section - a maximum of six credits.
3. Natural sciences section - a maximum of six credits. This does not satisfy the lab science requirement for the associate degree.

You will receive no credit for the English or math sections of the CLEP general exam. Nor will you 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.

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	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00

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

CO- Audited course completed.

NC- Audited course not completed.

I- Incomplete

R- Repeat. Used in English 101 and developmental courses 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 record card or transcript for any course dropped after the end of the third week of classes and before the deadline for dropping courses. Only the fact of registration and withdrawal will be recorded when students withdraw from an entire program.

The following symbols are used immediately following the number of credits:

N- Course offered for non-degree credit.

H- Course taken for honors credit.

A- Course was 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. freshmen and sophomores). Courses in which you received a grade of 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 cumulative GPA.

Dean's List

Each UW Centers campus may publish a Dean's List to honor students with high GPAs. 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 earn at least 15 credits with a cumulative average of 3.5 and who carry at least three semester credits used to determine GPAs 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: Grade point average of 3.50 through 3.74
High Honors: Grade point average of 3.75 through 3.99
Highest Honors: Grade point average 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 Office of Student Services. 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. You may remove the Incomplete by repeating the course. In that case, the regulations for repeating a course will apply.

Mid-term and final grades

Interim evaluation of your progress is your instructor's responsibility. The Office of Student Services is responsible for formally notifying you of your progress by the end of the ninth week of classes.

Final grades must be reported by your instructor no more than 72 hours after the final exam. Final grade reports are mailed at the end of each semester or summer session. You are notified of any probationary or suspension action on your final grade report.

Final examinations

Final examinations must be given at designated times. If you have more than two exams on one day or two exams scheduled at the same time, you should make arrangements with one of your instructors to take one examination at an alternate time. If arrangements cannot be made, the instructor in the class with the smaller enrollment will schedule an alternate examination time.

Class attendance

Instructors will inform you of their expectations regarding class attendance. You are responsible for completing all work missed due to an absence 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 Social Security Administration, you are expected to attend all classes. You should consult the Office of Student Services for complete information.

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, and quantity of work satisfactorily completed. It also is measured by the proportion of credit load completed each semester.

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 the student's semester and cumulative GPA is 2.0 or better.

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

Probation and suspension

The UW Centers is concerned about students whose academic achievement seems to indicate 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 feels your academic achievement record to date indicates a need to interrupt your enrollment to reassess and reevaluate 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 suspended, you must obtain the permission of the campus dean in order to register for Summer Session.

You may appeal your 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.

Grade point requirements and actions

1. When a student is in good standing at the beginning of the semester:
 - 1.0 to 1.999 semester GPA will result in probation status.
 - 0.999 or less semester GPA will result in a final probation status.
 - Action will be withheld until at least 6 credits have been attempted in a UW Center.
2. When a student is on probation at the beginning of the semester:
 - 1.00 to 1.999 semester GPA will result in final probation status.
 - 0.999 or less semester GPA will result in a suspension status.
 - 2.0 or better semester GPA but less than a 2.0 cumulative GPA will result in continuation of probation.
 - 2.0 or better semester and cumulative GPA will result in a return to good standing.

A transfer student admitted to a UW Center on probation must earn a 2.0 GPA on a minimum of 15 credits attempted in a UW Center in order to return to good standing.

3. When a student is on final probation at the beginning of the semester:
 - Less than 2.0 semester GPA will result in suspension status.
 - 2.0 or better semester GPA, but less than a 2.0 cumulative GPA, will result in continuation of final probation.
 - 2.0 or better semester and cumulative GPA will result in a return to good standing.

A transfer student admitted to a UW Center on final probation must earn a 2.0 GPA on a minimum of 15 credits attempted in a UW Center in order to return to good standing.

Appeals

Any academic action may be appealed, except probation or final probation. Handling of 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 must file an Application for Undergraduate Admission and secure permission from the Office of Student Services 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.

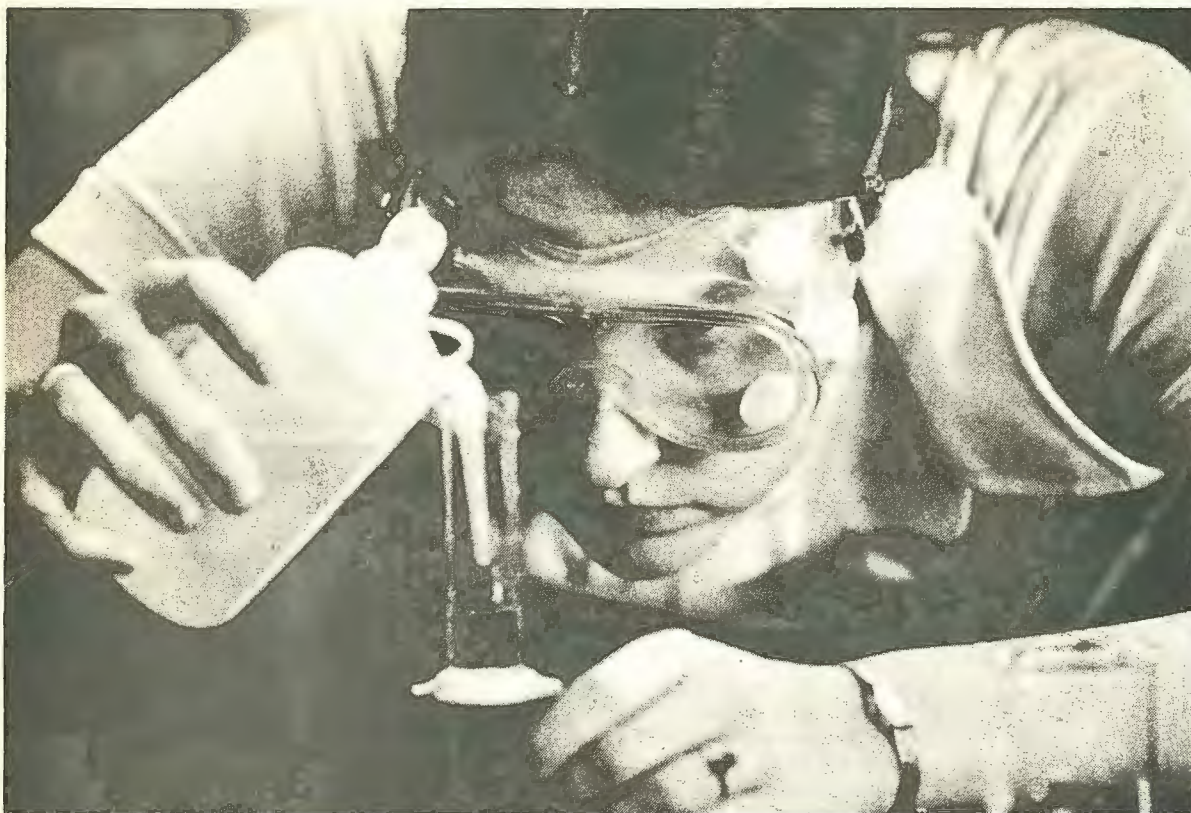
A student who has been out of school for a minimum of three full calendar years may be admitted to a UW Center in good standing, regardless of the student's academic status at the time of departure. For more information, consult the campus Office of Student Services.

If you last attended an institution other than a UW Center and were suspended, you must consult with the Office of Student Services before applying for admission to a UW Center.

Student disciplinary guidelines

All students in the University of Wisconsin System are governed by the Student Disciplinary Guidelines (UWS 17), a copy of which is available in each UW Centers campus library. An advisor from the campus Student Services Office will be glad to explain any part of these guidelines. The following paragraphs outline the manner in which these guidelines will be applied at the UW Centers campuses, but they do not substitute for a reading of the primary document.

Student Disciplinary Procedures 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. Acts which obstruct the UW Centers in fulfilling its mission may result in charges of misconduct and thus subject the student to adjudicative processes.

Misconduct may be termed non-academic or academic. That which is intentional and perpetrated against UW Centers property, personnel or activities is defined as non-academic. Actions which falsify a student's academic performance are considered academic misconduct.

Investigatory procedures vary according to the kind and degree of alleged misconduct. Offenses of a magnitude sufficient to warrant suspension are examined under a formal adjudication procedure. Those offenses which would not warrant suspension are examined under an informal adjudication procedure. Academic misconduct is examined under an academic adjudication procedure.

A student who is suspended or expelled from one institution in the University of Wisconsin System may not enroll in another institution in the System unless the suspension has expired by its own terms or one year has elapsed after the suspension or expulsion.

Whenever charges or appeals are pending, the student charged, unless temporarily suspended, continues to have the same rights and privileges accorded other students. However, grades or diplomas may be withheld pending final determination of the charges; a current transcript will be issued at the re-

quest of the student, but it may contain the notation "Disciplinary Charges Pending".

Implementation of disciplinary procedures can occur at two levels. Because the point of primary contact by the student is at a specific UW Center, most conduct matters are dealt with there. The Chancellor may become involved as the result of an appeal.

Rights of access to student records

You are entitled to review any records, files, documents, and other materials, defined as "education records," maintained by the UW Centers which are directly related 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 January 1, 1975, or (g) confidential letters and statement of recommendation for admission, employment or honorary recognition placed in your records after January 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 along with 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) requests of the student for reinstatement, special permission to withdraw after deadlines, etc. with 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 record of registration and a record of subjects carried 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 inaccurately recorded. You may also 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 notification 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.

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 \$2 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.

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. 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.

No information from your education record will be released to an unauthorized third party, except as provided by law, without a signed release from you. If a judicial order for your education record is issued, you will be notified prior to the release of the information.

Policy against sexual harassment

The University of Wisconsin Centers believes that respect for human dignity is essential to an appropriate university environment. Thus, sexual harassment of students and employees is impermissible and unprofessional conduct and will not be tolerated. Conduct determined to fall within the definition of sexual harassment will be subject to disciplinary action in accordance with applicable due process requirements, including but not limited to, reprimand, temporary suspension, expulsion, or discharge of the harassing individual.

Sexual harassment may be defined as unwelcome sexual advances, requests for sexual favors, and other physical conduct and expressive behavior of a sexual nature where: (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or education; (2) submission to or rejection of such conduct by an individual is used as the basis for academic or employment decisions affecting that individual; or (3) such conduct has the purpose or effect of substantially interfering with an individual's academic or professional performance or creating an intimidating, hostile, or demeaning employment or education environment. (Source: University of Wisconsin Centers Sexual Harassment Policies and Procedures, 1 February 1982.)

Your UW Center Library, Dean's Office, and Student Services Office have copies of the above policy. In addition, a sexual harassment mediation committee exists at your campus to provide you with information.

Transfer

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 study catalogs and other pertinent information from the institution of your choice to determine general and specific major requirements. Consult the campus Office of Student Services for advice about transfer requirements, procedures and plans as early as possible.

Credits earned at a UW Centers campus are University of Wisconsin credits and will be accepted as such by other universities and colleges. Beginning Fall Semester 1988, the new UW Centers Associate of Arts and Science Degree will be accepted by all University of Wisconsin institutions as fulfilling the university-wide, college and school general education breadth 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. However, many UW institutions have a limit of less than 72 credits. 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 coursework (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 Office of Student Services 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, and ask your campus Office of Student Services to provide a financial aid transcript to the transfer university.

Transfer Problems. If you encounter transfer credit problems or other transfer related problems, consult your campus Office of Student Services.

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 (1-800-362-3020).

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 Office of Student Services. Or you may send a letter of request to UW Centers Office of the Registrar, 149 N. Frances St., Madison, WI 53703. There is a \$2 charge for each transcript. No transcript will be furnished to a student who owes a UW Center a fine, money or materials or to a student who has a delinquent account for a loan, such as an NDSL loan, obtained through the UW Centers Financial Aid Office.

Degree Requirements

If you enroll in a UW Center for the first time in or after Fall Semester 1988 and wish to earn an associate degree, you must fulfill the requirements of the Associate of Arts and Science Degree (outlined below).

Associate of Arts and Science Degree

If you first enrolled prior to Fall Semester 1988 and are continuing to attend a UW Center after that time, you may elect to fulfill the requirements of the Associate of Arts and Science Degree. Or, you may elect to pursue the Associate of Arts Degree or the Associate of Science Degree (outlined on pages 31 and 32). There are no provisions for you to receive more than one associate 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.

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 9 credits with at least one course designated as Fine Arts. No more than 6 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. [A student who satisfies the minimal Humanities Breadth Requirement with history may not satisfy the minimal Social Sciences Breadth Requirement with history; the same principle applies to philosophy courses.]

Natural and Mathematical Sciences

A student must earn a minimum of 12 credits in this category. Included in this must be a minimum of 8 credits in at least two disciplines of Natural Sciences (including one laboratory science with an emphasis on scientific methodology) and a minimum of 3 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 9 credits with courses in at least two disciplines. No more than 15 credits in this category may be applied to the breadth requirement of 40 credits. [A student who satisfies the minimal Social Sciences Breadth Requirement with history may not satisfy the minimal

Humanities Breadth Requirement with history; the same principle applies to philosophy courses.]

Integrated Studies

No more than 6 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:

- A. Two courses with a writing and/or speaking emphasis.
- B. Content emphasis (Courses may fulfill both A and one B emphasis, but not two B emphases.)
 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 texts
 4. One two-semester sequence of courses

Associate of Arts Degree Associate of Science Degree

If you enroll in a UW Center for the first time from Fall Semester 1981 through Summer Session 1988 and wish to earn an associate degree, you may fulfill the requirements of the Associate of Arts Degree or the Associate of Science Degree (outlined below). Or, you may elect to fulfill the requirements of the Associate of Arts and Science Degree (outlined on page 30.) There are no provisions for you to receive more than one associate degree.

General requirements

1. A minimum of 60 credits is required.
2. At least 15 of those 60 credits must be completed at a UW Center.
3. You must have a cumulative grade point average (GPA) of 2.0 earned at the campus and 2.0 overall GPA in the credits applied toward your degree.
4. You must be enrolled at the UW Center awarding the degree during the semester in which you complete your degree requirements.

You may elect to receive either the Associate of Arts or the Associate of Science Degree. There are no provisions for you to receive both degrees.

Pass/Fail courses may not be used to fulfill specific degree requirements in English, mathematics, laboratory science, social science or humanities.

However, you may enroll in pass/fail courses as electives to accumulate a total of 60 credits.

Credits earned at a UW Center, transfer credits accepted by a UW Center or credits earned by examination will be evaluated toward your degree requirements. Degree credit restrictions are outlined in course descriptions in Volume II of this catalog.

Course designations for associate degree purposes are those of the UW Centers and do not necessarily coincide with designations at other universities. Contact the Office of Student Services to determine how a particular course will be treated in satisfying requirements for specific programs or a bachelor's degree at another college or university.

Associate of Arts Degree course requirements

1. English. 3 credits in English composition at the English 102 level or above. The prerequisite for ENG 102 is ENG 101, or sufficiently high placement test scores, or consent of the campus English faculty based on demonstrated writing ability. If you are required to take ENG 101 before ENG 102, you may count the credits in ENG 101 as elective credits.

2. Mathematics and Laboratory Science. A minimum of 8 credits. You must enroll in a minimum of one course for credit in each area. All mathematics courses numbered 100 or higher count toward the mathematics requirement. The requirement is waived if you qualify to enter first semester calculus. If mathematics is waived, a minimum of 8 credits is still required in mathematics and laboratory science.

3. Social Sciences. A minimum of 9 credits in courses from at least two disciplines.

4. Humanities. A minimum of 12 credits in courses from at least 2 disciplines. 3 of these credits must be in literature. Courses listed in the catalog carrying the designation HU/LI will count toward the literature requirement.

5. Electives. Meeting the minimum requirements in items 1-4 above totals 32 credits. The remaining credits necessary to reach a total of 60 may be selected from additional courses in mathematics, laboratory science, social sciences and humanities and/or courses listed in the elective area. Elective courses may be selected to satisfy foundation requirements for an intended major pre-professional field.

Associate of Science Degree course requirements:

1. English. 3 credits in English Composition at the English 102 level or above. The prerequisite for Eng. 102 is Eng. 101, or sufficiently high placement test scores, or consent of the campus English faculty based on demonstrated writing ability. Students who are required to take Eng. 101 before Eng. 102 may count the credits in Eng. 101 as elective credits.

2. Mathematics and Laboratory Science. A minimum of 14 credits. A minimum of one course for credit in each. All mathematics courses numbered 105 or higher (except Mathematics 140) count toward the mathematics requirement. The mathematics requirement is waived for those students qualified to enter first semester calculus. If mathematics is waived, a 14-credit minimum is still required in the mathematics and laboratory science areas.

3. Social Sciences. A minimum of 6 credits.

4. Humanities. A minimum of 9 credits from at least 2 disciplines. 3 of these credits must be in literature. Courses carrying the designation HU/LI will be counted toward the satisfaction of the literature requirement.

5. Electives. Meeting the minimum requirements in items 1-4, above, totals 32 credits. The remaining credits necessary to reach a total of 60 may be selected from additional courses in mathematics, laboratory science, social sciences, and humanities, and/or courses listed in the elective area. Elective courses may be selected to satisfy foundation requirements for an intended major or pre-professional field.





Aural M. Umhoefer, Dean
Dennis J. Stroede, Student Services Director

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1006 Connie Road
Baraboo, WI 53913
(608) 356-8351, ext. 45 or 55

University of Wisconsin Center

Baraboo/Sauk County

Location

The University of Wisconsin Center-Baraboo/Sauk County campus is located on 68 hillside acres on the northwest side of Baraboo.

Student body

In fall 1987, 520 students were enrolled: 255 men and 265 women. Sixty-two percent of the student body are recent high school graduates; the remaining 38 percent are over age 24.

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, quiet study areas, and additional classroom and faculty office space. Basketball and tennis courts, 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: Honors Program, liberal arts component of the nursing degree program in cooperation with MATC, associate degree program at Oxford Federal Corrections Institution, and graduate credit courses in Education in cooperation with UW-LaCrosse.

Scholarships: Friends of the Campus, Inc. Scholarship Program.

Extracurricular: Intramural and varsity sports; cross country, tennis, softball, volleyball and bowling.

Community interest programs: Wide range of Continuing Education courses, Elderhostel, College for Kids, Music Clinic, Performing Arts Series, Concerts on the Square, Rogues and Vagabonds—the campus-community theater program, Campus Singers, Civic Chorus, Community Band, Jazz Band, and Brass Ensemble.



John F. Meggers, Dean
Eugene L. Hartmann, Student Services Director
Student Services Office
1800 College Drive
Rice Lake, WI 54868
(715) 234-8176, ext. 430

University of Wisconsin Center

Barron County

Location

The University of Wisconsin Center-Barron County is located 60 miles north of Eau Claire in Rice Lake. The campus is south of the city on 135 acres beside the Red Cedar River.

Student body

In fall 1987, 385 students were enrolled; 169 men and 216 women. There is a mix of full-time and part-time students. There also is an age mix, with 26 percent of the student body over age 24.

Students at UWC-Barron come from all over northwest Wisconsin. Many come from such towns as Barron, Cumberland, Rice Lake, Spooner, and Chetek.

Facilities

There are seven buildings on the campus: Ritzinger Hall, Library, Fine Arts Building, Gymnasium, Student Union, Administration Building and Maintenance Building. The Center shares the library, student center and gymnasium facilities with the Wisconsin Indianhead Technical College, whose campus is adjacent to UWC-Barron.

Special programs

Academic: Observatory, educational trips to Grand Canyon and to France, tutoring services, Humanities Day, and Ritzinger Math-Science Day.

Scholarships: A scholarship program sponsored by Barron County Campus Foundation.

Extracurricular: Intramural and varsity sports, newspaper, forensics, Delta Psi Omega drama fraternity, Student Government Association, Math-Science Club, Phi Theta Kappa national honors fraternity, French Club, and Foreign Born Students.

Community Interest Programs: Continuing Education courses, Summer Kids' Kollege, Fine Arts programs sponsored by Barron County Campus Foundation, theatre, Communiversy Band, Swing Singers, and art gallery exhibits.



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 (414) 929-3608

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 1987, 745 students were enrolled, 375 men and 370 women. Students attend on a full-time and part-time basis. Their ages vary, and 26 percent are over age 24.

Facilities

The six buildings of the Fond du Lac Center are grouped on the shore of a two acre man-made lake. Facilities include classroom, science and library-administration buildings, a student center, a physical education/music facility and the 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.

Special programs

Academic: Day and evening credit courses, 5-year evening Associate Degree schedule, UW Centers Library Processing Center, and UW-Oshkosh graduate practicum site. The UWC-Fond du Lac and the Postsecondary Re-Entry Education Program (PREP) offers associate degree programs at Kettle Moraine and Taycheedah Correctional Institutions.

Scholarships: UW Center Fond du Lac Foundation offers academic scholarships, fine-arts talentships, new freshmen and adult student scholarships. Local scholarships are also available.

Extracurricular: Phi Theta Kappa - national community college honorary society, intramural and varsity sports, student government, social activities, newspaper, informal personal and career seminars, and interest clubs.

Community interest programs: Continuing Education courses, lectures and symposiums, Fine arts performances, annual Madrigal Dinner, and corporate training facilities.



Robert E. Young, Dean
Rick Hillman, Student Services Director

Student Services Office
1478 Midway Road
Menasha, WI 54952
(414) 832-2620

University of Wisconsin Center

Fox Valley

Location

The University of Wisconsin Center-Fox Valley is located on a 33 acre campus between Neenah and Appleton, three miles from the north shore of Lake Winnebago.

Student body

In fall 1987, 1,379 students were enrolled, 616 men and 763 women. There is a mix of full-time and part-time students. Student age covers a wide range, with 37 percent of the student body over age 24.

Facilities

The Centers' two large multi-purpose buildings contain classrooms, cafeteria, library, planetarium, gymnasium, laboratories, radio station, television studio, lecture hall, child care center, fine arts theater, art gallery and quiet study areas. The campus also has a soccer field and tennis courts.

Special programs

Academic: Honors Program, evening courses, off-campus courses, planetarium, child care center, and career exploration courses.

Scholarships: The UW Fox Cities Foundation annually awards 50 scholarships worth approximately \$25,000.

Extracurricular: Student government, intramural and varsity sports, radio station, literary magazine, interest clubs, and newspaper.

Community interest programs: Continuing Education courses, Aaron Bohrod Fine Arts Gallery, community theatre, lecture and fine arts series, and faculty and guest lecture series.



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 bounded by Lake Michigan on the east and a 78-acre wooded park on the south.

Student body

In fall 1987, 498 students were enrolled, 214 men and 284 women. Both full-time and part-time students are enrolled. Student age varies, and 31 percent are over age 24.

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 gives the campus a physical education facility, computer lab, geography/geology lab, music rehearsal rooms, child care service, classrooms and faculty offices. The grounds include a soccer field and weather station.

Special programs

Academic: Evening associate degree program, remedial mathematics, student tutoring service, and on-campus business outreach program with UW-Green Bay.

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, outdoors club, and intramural and varsity sports.

Community interest programs: Continuing Education courses, campus/community band and theater, jazz band, art gallery, lecture and fine arts series, choral group and a speakers bureau.

Roland A. Baldwin, Dean

Michael A. Herrity, Student Services Director

Student Services Office

705 Viebahn Street

Manitowoc, WI 54220

(414) 683-4707



George A. Newtown, Dean
Jordan Nash, Student Services Director
 Student Services Office
 518 South 7th Avenue
 Wausau, WI 54401
 (715) 845-9602

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 1987, 1,163 students were enrolled, 494 men and 669 women. There is a mix of full-time and part-time students. Student age varies, 26 percent of the student body is over age 24. The Center draws most of its students from Marathon, Lincoln, Shawano, Langlade and Clark 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 racketball court, weight room, swimming pool and gymnasium; and a classroom-office complex with fine arts room, library, student center, bookstore, planetarium, greenhouse and cafeteria.

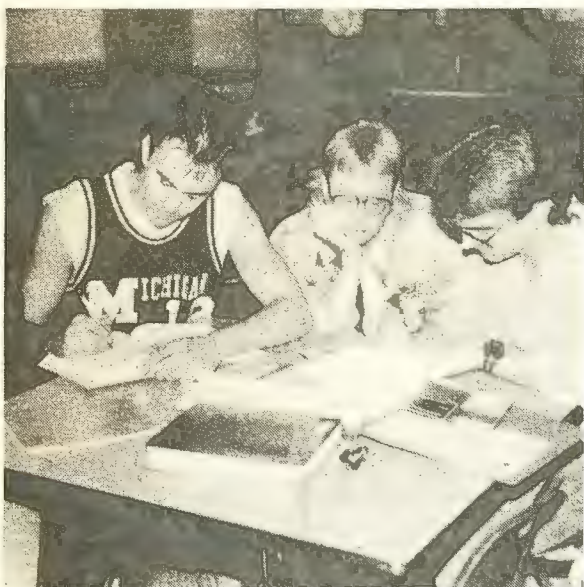
Special programs

Academic: Honors program for academic achievers, and Learning Resource Center consisting of a traditional library plus audio-visual and computer facilities.

Scholarships: Annually, over \$65,000 worth of scholarships are awarded on the basis of academic achievement.

Extracurricular: Lecture and Fine Arts Series, inter-collegiate and intramural sports, show choir, jazz ensemble, concert band, concert choir, Student Government Association (SGA), Ambassador Program, and a variety of clubs and special-interest organizations.

Community interest programs: A wide range of personal enrichment and professional advancement classes; "College of the Emeriti," a new dimension in learning for senior citizens; "College for Kids," a summer enrichment and exploration experience for youth; and international study/tours.



University of Wisconsin Center

Marinette County

Location

The 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 1987, 427 students were enrolled, 137 men and 290 women. Students attend the campus on a full-time and part-time basis. Student ages varies over a broad range with about 39 percent of the student body being over age 24.

Almost one third of the students are Michigan 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 administration-science building. A second wing contains a student center and classrooms. Art facilities include a 394-seat theatre, gallery, visual arts studios and photographic laboratories. The library overlooks the bay. Completing the four-building complex is the Max E. Peterson Field House.

Special programs

Academic: Evening Associate Degree Program, college skills laboratory, off-campus courses, interdisciplinary computer assisted instructional programs, and open computer laboratory.

Scholarships: Talentship Grants based on academic potential and leadership sponsored by UW-Marquette Foundation.

Extracurricular: Phi Theta Kappa-national junior college honorary, intramural and varsity sports, returning adult students' club, ski club, newspaper, and winter carnival.

Community interest programs: Theatre on the Bay productions (including summer series), faculty lecture series, and cross-cultural development activities.

William A. Schmidtke, Dean
Stephen P. Richer, Student Services Director

Student Services Office
750 W. Bay Shore
Marinette, WI 54143
(715) 735-7470



Nancy J. Aumann, Dean
 Herbert Scidmore, Student Services Director
 Student Services Office
 2000 West 5th Street
 Marshfield, WI 54449
 (715) 387-1147

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 1987, 578 students were enrolled, 205 men and 373 women. Students attend on both a full-time and part-time basis. The age range of students varies, and about 41 percent are over age 24.

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 and golf green, and the university arboretum.

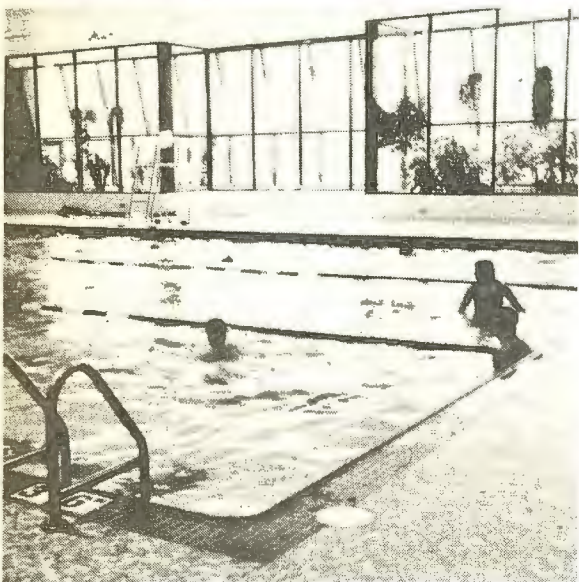
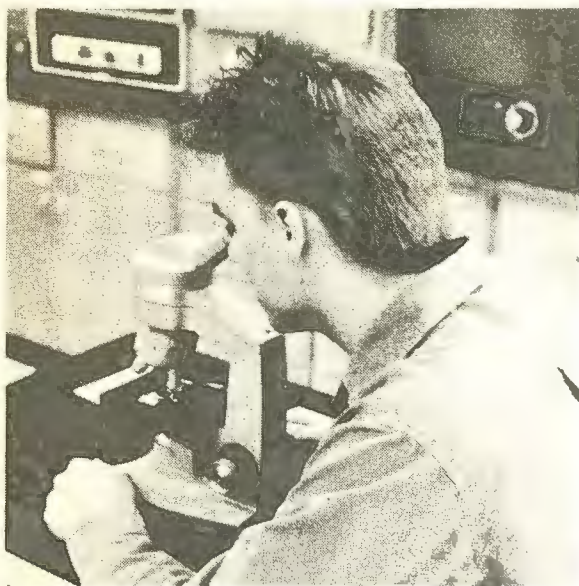
Special programs

Academic: Evening Associate Degree Program, Outreach Program courses offered in Wisconsin Rapids, 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, drama, student newspaper, Business Club, Chess Club, Computer Club, Inter-Varsity Christian Fellowship Club, and Nursing Association.

Community interest programs: Continuing Education Program, Campus-Community Players theatre group, Marshfield/Wood County Symphony Orchestra, Central Chamber Chorale, Performing Arts Series events, Visiting Artist Series, special topic lectures by faculty and visiting lecturers, and cultural field trips.



Thomas R. Oates, Dean
John Poole, Student Services Director

Student Services Office
Highway 14 West
Richland Center, Wisconsin 53581
(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 LaCrosse and Madison, on U.S. Highway 14.

Student body

In fall 1987, 296 students were enrolled, 137 men and 159 women. There is a mix of full-time and part-time students. There also is a mix of ages in the student body, with more than 24 percent of the students over age 24.

The campus draws students from Richland, Sauk, Grant, Iowa, Vernon and Juneau counties.

Facilities

The 135-acre campus has six main buildings including the Miller Memorial Library, Wallace Student Center, General Classroom Building, Science Building, the Roadrunner Gymnasium and the Administration Building. Also located on campus is the John & Edith Symons Recreation Complex which houses a swimming pool, whirlpool, 2 racquetball courts, and a multi-purpose room.

Directly adjacent to the campus is the student apartment building, Edith Rice Symons Hall.

Outdoor facilities include an athletic field, 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 Central American Scholarship Program.

Scholarships: Over 70 scholarships ranging from \$200-\$1000 are available through the Richland Campus Foundation Scholarship Program.

Extracurricular: Varsity intramural sports, cross country ski course, newspaper, Burlap Olympics, and Springfest.

Community interest programs: Continuing Education Office courses for all ages, campus-community theatre, lecture series, and fine art programs.



Thomas W. Waltermann, Dean
Larry Rubin, Student Services Director
 Student Services Office
 2909 Kellogg Avenue
 Janesville, WI 53545
 (608) 755-2823

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 1987, 940 students enrolled, 416 men and 524 women. There is a mix of full-time and part-time students with approximately 37 percent of the students over age 24.

Facilities

The 50-acre commuter campus includes Smith Hall, which houses the administration offices, cafeteria and student center; Andrews Hall, a large classroom building housing the science laboratories and the 65,000 volume library; and the Cultural Center, with a 350-seat theater, a gymnasium, and the art, music and drama departments.

Special programs

Academic: Daytime and evening Associate Degree Program, Skills Development Center including tutoring, college orientation workshop for pre-college students or interested adults, 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, theatre groups, jazz ensemble, and band mixed chorus.

Community interest programs: Lecture & Fine Arts programming, film series, community band, theatre events, Career Center, Business Assistance Center, videoconferencing, College for Kids, and courses offered through the Continuing Education Office.



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 1987, 651 students were enrolled, 322 men and 329 women. Both full-time and part-time students are enrolled. Student age varies and 35 percent are over age 24.

Facilities

The campus includes a main building, learning-resources center, fine arts building with a theatre, observatory, and gymnasium. The grounds provide 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 society.

Scholarships: UW-Sheboygan County Foundation Talent Grants and other scholarships ranging from \$100 to \$750.

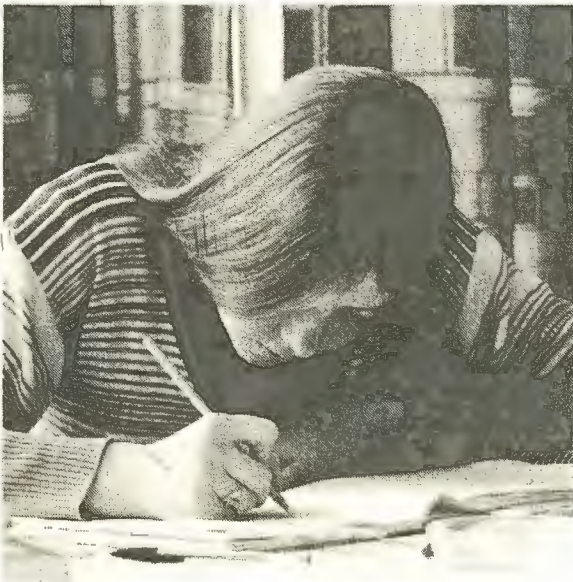
Extracurricular: Campus newspaper, intramural and varsity sports, literary magazine, and special interest groups.

Community interest programs: Continuing Education courses and programs, University Players drama productions, wind ensemble and jazz ensemble concerts, Campus Singers and choir appearances and concerts, lecture and fine arts events, classic film series, and Potpourri musical variety show.

Barbara P. Losty, Dean

Betsy L. West, Student Services Director

Student Services Office
One University Drive
Sheboygan, WI 53081
(414) 459-3733



Robert O. Thompson, Dean
Michael E. Murphy, Student Services Director
 Student Services Office
 400 University Drive
 West Bend, WI 53095
 (414) 338-5201

University of Wisconsin Center

Washington County

Location

The University of Wisconsin Center/Washington County is located on 87 glacier-sculpted acres on the southwest side of West Bend.

Student body

In fall 1987, 784 students were enrolled, 347 men and 437 women. Both full-time and part-time students are enrolled. Student ages cover a wide range, with 24 percent of the student body over age 24.

Although the campus draws students from over 30 Kettle Moraine communities; most students commute ten miles or less to campus.

Facilities

The campus includes classrooms, science laboratories and a greenhouse, an observatory, a 296-seat theatre, gymnasium and athletic field, ceramic and art studios, music ensemble and practice rooms, a piano lab, a new state-of-the-art 24-unit word-processing laboratory, a photography darkroom, a ski area, food coop, bookstore, student recreational areas and faculty and administrative offices. An adjoining library contains an extensive collection of books, periodicals and records as well as computer terminals and a reading/writing lab.

Special programs

Academic: Evening courses, special topics and lecture series, student support services in peer counseling, and basic skills programs.

Scholarships: Thirty-four students received \$30,850 in scholarships and awards in 1987.

Extracurricular: Varsity and intramural sports, Phi Theta Kappa national junior college honorary society, weekly newspaper, literary magazine, Writers Club, Business Club, International Club, and other special interest groups.

Community interest programs: Continuing Education courses, campus-community performance groups in music and theater, lecture and fine arts events and residencies, film series, noon-on-stage programs, tours and trips, vocal and choral ensembles, jazz groups, Moraine Chorus, and Moraine Symphony Orchestra.



Mary S. Knudten, Dean
Paul Jones, Student Services Director
 Student Services Office
 1500 University Drive
 Waukesha, WI 53188 (414) 521-5210

University of Wisconsin Center

Waukesha County

Location

Located in the geographic center of Waukesha County, the University of Wisconsin Center-Waukesha County covers 86 acres and is one mile south of Interstate 94 at the Hwy T exit.

Student body

In fall 1987, 2,460 were students enrolled, 1,140 men and 1,320 women. There is a mix of full-time and part-time students. There also is an age mix among the students, with 33 percent of the student body over age 24.

Facilities

Six of the Waukesha campus buildings are grouped around the campus mall. Northview Hall, the Administration Building, the Library and the Commons are joined on the northeast corner of the campus mall. The Field House, Southview Hall and the Fine Arts Center are situated on the south side of the mall. An athletic field is located on the east side of University Drive. The Center also operates a field station 10 miles southwest of the campus on Hwy 18 at Waterville.

Special programs

Academic: Evening Associate Degree Program, Learning Lab, off-campus courses, Honors Program, Evening Engineering Program, Pre-College Hispanic Program, cooperative nursing program with Milwaukee County General School of Nursing, and Community Outreach.

Scholarships: Friends & Alumni Scholarship Program.

Extracurricular: Intramural and varsity sports, special interest clubs, Student Government Legislature, Adult Students Alliance, Fallfest, Winter Carnival and Spring Carnival.

Community interest programs: Fifty Minutes Lecture Series, Lunch and Learn series, Wilderness University Lecture Series, Foreign Film Series, Madrigal Dinners during Christmas and Easter, Lunt-Fontanne Ensemble (Theatre), Jazz Ensemble, Symphonic Band, and Swing Choir.

1987-88 Academic Year Calendar

Semester I	Calendar A	Calendar B
Regist./Fac. Report	August 26	August 31
First Day of Classes	September 2	
Labor Day	September 7	September 7
First Day of Classes	September 8	
Thanksgiving Recess	November 26-29	November 26-29
Last Day of Classes	December 15	December 16
Study Day	December 16	December 17
Examination Period	December 17-22	December 18-23

Semester II	Calendar A	Calendar B
Regist./Fac. Report	January 20	January 21
First Day of Classes	January 26	January 27
Spring Vacation	March 26-April 3	March 26-April 3
Easter	April 3	April 3
Last Day of Classes	May 16	May 19
Study Day	May 17	May 20
Examination Period	May 18-23	May 23-28

Calendar A Campuses	Calendar B Campuses
Barron	Baraboo/Sauk
Marshfield	Fond du Lac
Sheboygan	Fox Valley
Waukesha	Manitowoc
Marathon	Marinette
	Richland
	Rock
	Washington

1988-89 Academic Year Calendar

Semester I	
Regist./Fac. Report	August 29
Labor Day	September 5
First Day of Classes	September 6
Thanksgiving Recess	November 24-27
Last Day of Classes	December 16
Study Day	December 17
Examination Period	December 18-23

Semester II	
Regist./Fac. Report	January 23
First Day of Classes	January 30
Spring Vacation	March 18-26
Easter	March 26
Last Day of Classes	May 19
Study Day	May 20
Examination Period	May 22-27

1989-90 Academic Year Calendar

Semester I	
Faculty Retreats, Seminars	August 21-25
Registration	August 28-September 1
Labor Day	September 4
First Day of Classes	September 5
Thanksgiving Recess	November 23-26
Last Day of Classes	December 15
Study Day	December 16
Examination Period	December 18-23

Semester II	
Registration	January 10-12; 16-17
Martin Luther King Birthday	January 15
First Day of Classes	January 18
Spring Vacation	March 10-18
Easter Break	April 13-15
Last Day of Classes	May 11
Study Day	May 12
Examination Period	May 14-19

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, 149 N. Frances Street, Madison, WI 53703, (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

Academic Calendars, 46
Academic credit, 21
Academic skills development, 13
Academic standing, 25
Academic withdrawal, financial aid obligations, 19
Accreditation, 1
Adding courses, 20
Addresses, by campus, 3
Administration, UW Centers central office, 8
Administration, UW System, 8
Admission policy, 12
Admission requirements, 12
Aid to Families with Dependent Children, 17
American College Test, 12
Appeals, 26
Application for financial aid, 17
Associate degree transfer, 29
Associate of Arts Degree, 31
Associate of Arts and Science Degree, 30
Associate of Science Degree, 31
Auditors, 14, 22
Baraboo/Sauk County, UWC, 33
Barron County, UWC, 34
Board of Regents, UW System, 8
Board of Visitors, UW Centers, 9
Calculation of financial aid, 18
Central American programs, 10
Class attendance, 25
College Level Examination Program, 24
Concurrent registration, 20
Credit by examination, 22
Credit load, 21
Dean's list, 24
Development Education Program, 10
Distinctive programs, 10
Dropping courses, 21
Eligibility for financial aid, 15
Employment, 16
Final examinations, 25
Financial aid, 15
Fond du Lac, UWC, 35
Foreign students, 13
Fox Valley, UWC, 36
Grade point average, 24
Grade point requirements and actions, 26
Grading system, 24
Grants, 16
Guaranteed Student Loans, 16
High risk and discretionary admission, 13
High school students, 13
History of the UW Centers, 9
Incompletes, 25
Late registration, 20
Loans, 16
Manitowoc County, UWC, 37
Marathon County, UWC, 38
Marinette County, UWC, 39
Marshfield/Wood County, UWC, 40
Mid-term and final grades, 25
Non-matriculated students, 14
Nondegree credit, 21
Nontraditional students, 14
Oxford College Program, 10
Parents Loans for Undergraduate Students, 16
Pass/fail courses, 21

Placement testing, 12
Postsecondary Re-Entry Education Program (PREP), 10
Probation and suspension, 26
Readmission, 26
Registration, 20
Registration hold policy, 20
Repeating courses, 22
Resident status for tuition purposes, 14
Returning students, 13
Richland, UWC, 41
Rights of access to student records, 27
Rock County, UWC, 42
Satisfactory academic progress for financial aid, 18
Scholarships, 16
Scholastic Aptitude Test, 12
Sexual harassment policy, 28
Sheboygan County, UWC, 43
Special students, 13
Structure of the UW Centers, 9
Student Services Offices, addresses and telephone numbers, 3
Student classification, 21
Student disciplinary guidelines, 26
Summer Session in London, 11
Supplemental Loans for Students, 16
Suspension status, 26
Telephone numbers, by campus, 3
Transfer from a UW Center, 29
Transfer into a UW Center, 13
Tuition and fees, 14
Veteran's benefits, 17, 19
Vocational Rehabilitation Grants, 17
Washington County, UWC, 44
Waukesha County, UWC, 45
Withdrawal, 21
Women's Studies, 11
Zero credit courses, 21



University of Wisconsin Centers

1984-85 Catalog
Volume 1
Countdown





University of Wisconsin Centers

***1988-89 Catalog
Volume II***



UW Centers campuses



UWC-Baraboo/Sauk County
Student Services Office
1006 Connie Road
Baraboo, WI 53913
(608) 356-8351

UWC-Barron County
Student Services Office
1800 College Drive
Rice Lake, WI 54868
(715) 234-8176

UWC-Fond du Lac
Student Services Office
Campus Drive
Fond du Lac, WI 54935
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UWC-Fox Valley
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Menasha, WI 54952
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UWC-Manitowoc County
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UWC-Marathon County
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UWC-Marinette County
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UWC-Marshfield/Wood County
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UWC-Richland
Student Services Office
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UWC-Rock County
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UWC-Sheboygan County
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UWC-Washington County
Student Services Office
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West Bend, WI 53095
(414) 338-5201

UWC-Waukesha County
Student Services Office
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Waukesha, WI 53188
(414) 521-5210



Table of Contents

UW Centers	3
Locations	
Addresses	
Telephones numbers	
UW System	6
Board of Regents	
System administration	
UW Centers	7
History	
Structure	
Central administration	
Board of Visitors	
Post-Secondary Education Program	8
Degree Requirements	9-11
Course Descriptions	12-44
UW Centers Campuses	45
UWC-Baraboo/Sauk County.....	46-48
UWC-Barron County.....	49-51
UWC-Fond du Lac.....	52-54
UWC-Fox Valley.....	55-58
UWC-Manitowoc County.....	59-61
UWC-Marathon County.....	62-65
UWC-Marinette County.....	66-67
UWC-Marshfield/Wood County.....	68-70
UWC-Richland.....	71-73
UWC-Rock County.....	74-77
UWC-Sheboygan County.....	78-80
UWC-Washington County.....	81-83
UWC-Waukesha County.....	84-89
Academic Calendars	90
Index	91-92

Cover photo: Thomas Grittinger, professor of Biological Sciences, UWC-Sheboygan County.

Catalog graphic design by Camilla Klyve.

How to use this catalog

This publication, Volume II of the UW Centers Catalog, provides you with Associate Degree requirements, course descriptions, and information about the campuses, faculty and academic staff of each of the 13 UW Centers. 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 Center.

Volume I of the UW Centers Catalog includes an overview of admissions, registration and financial aid procedures, as well as academic regulations and distinctive programs of the UW Centers. Although you are enrolled at a specific UW Center, the policies and procedures are the same for students at all of the 13 UW Centers throughout Wisconsin.

Assistance in developing your course of study and in planning for transfer to other institutions is available from an advisor in your UW Center Office of Student Services, or you may be referred to a faculty advisor who will assist you in planning your academic program.

Additional information on co-curricular activities, financial aid, special academic programs, and special features of your UW Center is available in the campus Office of Student Services.

Our commitment to you

The University of Wisconsin Centers, a collection of 13, locally owned campuses located throughout the state, is proud of its transfer mission within the University of Wisconsin System. The UW Centers freshman/sophomore curriculum is aimed at providing 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 developed 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 your upperclassman years to experience activities 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.

Excellence in teaching, personal interest, enriching experiences and community service—this is our commitment to you.

University of Wisconsin System

Board of Regents

Ruth C. Clusen, Green Bay
Erroll B. Davis, Jr., Madison
Ody J. Fish, Hartland
Ness Flores, Waukesha
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Herbert J. Grover, Madison
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System administration

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Ronald C. Bornstein, Vice President for University Relations

University of Wisconsin Centers

History of the UW Centers

The roots of the UW Centers extend back 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 UW (Madison campus). Later, other UW Centers were added by institutions of the former Wisconsin State Universities. 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 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 10,800 students, including the largest number of freshmen in the UW System. More than 33 percent of the enrollment is over age 24, making the non-traditional student an important component of the student body. UW Centers are effective in meeting the needs of adult learners who are seeking life-long 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.

Faculty and Academic Staff governance is organized through campus collegiums, the UW Centers Senate, the institution-wide Academic Staff Advisory Committee, 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, two Associate Vice Chancellors, 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

Portch, Stephen R. (1986)
Chancellor

B.A., University of Reading, England
M.A., Pennsylvania State University
Ph.D., Pennsylvania State University

Kaplan, Arthur M. (1985)
Vice Chancellor
B.A., University of Maine
M.A., Boston University
Ph.D., Cornell University

Kucera, Antone F. (1966)
Assistant Chancellor for Administrative Services
B.A., Loras College
M.Ed., DePaul University

Lattin, Patricia H. (1984)
Associate Vice Chancellor
B.S., Memphis State University
M.A., Memphis State University
Ph.D., University of Kentucky

Liechty, Thornton A. (1975)
Associate Vice Chancellor
B.A., Haverford College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Anhalt, James A. (1969)
Coordinator, Business Services
B.S., University of Wisconsin-Madison

Edlebeck, Daniel J. (1985)
Registrar
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Milwaukee

Hinz, JoAnn M. (1985)
Assistant to the Chancellor for University Relations
B.S., University of Wisconsin-River Falls

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.
Director of Academic Services
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
J.D., University of Wisconsin-Madison

Board of Visitors

Thomas M. Alby, UWC-Fox Valley
Joseph S. Berger, Jr., UWC-Fond du Lac
Charles W. Conrardy, Jr., UWC-Sheboygan County
Gail L. Fox, UWC-Manitowoc County
Janet L. Hubbell, UWC-Washington County
Terry O. Leigh, UWC-Marquette County
Thomas H. Mihal, UWC-Waukesha County
John W. Mommsen, UWC-Barron County
James E. Olson, UWC-Richland
Allen J. Paschen, UWC-Baraboo/Sauk County
Beatrice A. Ptacek, UWC-Marshfield/Wood County
Gerald D. Viste, UWC-Marathon County
Joan M. Waite, UWC-Rock County

Postsecondary Re-Entry Education Program (PREP)

Following is a list of the faculty, administration and support staff of the Postsecondary Re-Entry Education Program (PREP). Headquartered at the UW Centers central office in Madison, 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 Kettle Moraine, Taycheedah and Waupun Correctional Institutions who are eligible for admission to the UW Centers.

In addition to the faculty and staff listed below, others from various UW Centers travel to the correctional institutions to teach.

Administration and support services

Ross, Jacqueline (1981)
Program Director
B.A., University of Michigan
M.A., University of Michigan
Ph.D., University of Wisconsin-Madison

Abbott, Daniel (1983)
Program Manager, Student Services
B.A., Washington University
M.A., Washington University
Ph.D., University of Wisconsin-Madison

Brey, James (1982)
Director, Student Services
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Fitzer, Pamela (1983)
Advisor
B.A., Lawrence University

Gore, Donald (1987)
Associate Developmental Skills Specialist
B.A., Luther College
M.A., University of Wisconsin-Milwaukee

Griffin, Laura (1986)
Instructional Skills Specialist
B.A., University of Wisconsin-Green Bay

Keckonen, Ann (1983)
Developmental Skills Specialist
B.A., Lawrence University

Faculty and lecturers

Abbott, Daniel (1983)
Lecturer, Sociology
B.A., Washington University
M.A., Washington University
Ph.D., University of Wisconsin-Madison

Brey, James (1982)
Lecturer, Geography/Geology
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Buckley, Karen (1987)
Lecturer, English
B.S., Southern Illinois University
M.A., Southern Illinois University

Buser, Mary (1984)
Lecturer, Psychology
B.S., University of Wisconsin-Whitewater
M.A., University of Manitoba, Canada
Ph.D., University of Manitoba, Canada

Roby, Patricia (1976)
Lecturer, English
B.A., University of Maryland
M.A., Marquette University
Ph.D., Marquette University

Schudson, David (1985)
Lecturer, Computer Science, Mathematics
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Thorn, Michael (1986)
Lecturer, History
B.A., Oxford University, England
Ph.D., University of Wisconsin-Madison

Other PREP faculty are shared with UW Centers campuses.

Degree Requirements

If you enroll in a UW Center for the first time in or after Fall Semester 1988 and wish to earn an associate degree, you must fulfill the requirements of the Associate of Arts and Science Degree (outlined below).

Associate of Arts and Science Degree

If you first enrolled prior to Fall Semester 1988 and are continuing to attend a UW Center after that time, you may elect to fulfill the requirements of the Associate of Arts and Science Degree. Or, you may elect to pursue the Associate of Arts Degree or the Associate of Science Degree (outlined on pages 10 and 11). There are no provisions for you to receive more than one associate 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.

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 9 credits with at least one course designated as Fine Arts. No more than 6 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. [A student who satisfies the minimal Humanities Breadth Requirement with history may not satisfy the minimal Social Sciences Breadth Requirement with history; the same principle applies to philosophy courses.]

Natural and Mathematical Sciences

A student must earn a minimum of 12 credits in this category. Included in this must be a minimum of 8 credits in at least two disciplines of Natural Sciences (including one laboratory science with an emphasis on scientific methodology) and a minimum of 3 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 9 credits with courses in at least two disciplines. No more than 15 credits in this category may be applied to the breadth requirement of 40 credits. [A student who satisfies the minimal Social Sciences Breadth Requirement with history may not satisfy the minimal Humanities Breadth Requirement with history; the same principle applies to philosophy courses.]

Integrated Studies

No more than 6 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:

- A. Two courses with a writing and/or speaking emphasis.
- B. Content emphasis (Courses may fulfill both A and one B emphasis, but not two B emphases.)
 - 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 texts
 - 4. One two-semester sequence of courses

Associate of Arts Degree Associate of Science Degree

If you enrolled in a UW Center for the first time from Fall Semester 1981 through Summer Session 1988 and wish to earn an associate degree, you may fulfill the requirements of the Associate of Arts Degree or the Associate of Science Degree (outlined below). Or, you may elect to fulfill the requirements of the Associate of Arts and Science Degree (outlined on page 9). There are no provisions for you to receive more than one associate degree.

General requirements

1. A minimum of 60 credits is required.
2. At least 15 of those 60 credits must be completed at a UW Center.
3. You must have a cumulative grade point average (GPA) of 2.0 earned at the campus and 2.0 overall GPA in the credits applied toward your degree.
4. You must be enrolled at the UW Center awarding the degree during the semester in which you complete your degree requirements.

You may elect to receive either the Associate of Arts or the Associate of Science Degree. There are no provisions for you to receive both degrees.

Pass/Fail courses may not be used to fulfill specific degree requirements in English, mathematics, laboratory science, social science or humanities. However, you may enroll in pass/fail courses as electives to accumulate a total of 60 credits.

Credits earned at a UW Center, transfer credits accepted by a UW Center or credits earned by examination will be evaluated toward your degree requirements. Degree credit restrictions are outlined in course descriptions in Volume II of this catalog.

Course designations for associate degree purposes are those of the UW Centers and do not necessarily coincide with designations at other universities. Contact the Office of Student Services to determine how a particular course will be treated in satisfying requirements for specific programs or a bachelor's degree at another college or university.

Associate of Arts Degree course requirements

1. **English.** 3 credits in English composition at the English 102 level or above. The prerequisite for ENG 102 is ENG 101, or sufficiently high placement test scores, or consent of the campus English faculty based on demonstrated writing ability. If you are required to take ENG 101 before ENG 102, you may count the credits in ENG 101 as elective credits.

2. Mathematics and Laboratory Science. A minimum of 8 credits. You must enroll in a minimum of one course for credit in each area. All mathematics courses numbered 100 or higher count toward the mathematics requirement. The requirement is waived if you qualify to enter first semester calculus. If mathematics is waived, a minimum of 8 credits is still required in mathematics and laboratory science.

3. Social Sciences. A minimum of 9 credits in courses from at least two disciplines.

4. Humanities. A minimum of 12 credits in courses from at least 2 disciplines. 3 of these credits must be in literature. Courses listed in the catalog carrying the designation HU/LI will count toward the literature requirement.

5. Electives. Meeting the minimum requirements in items 1-4 above totals 32 credits. The remaining credits necessary to reach a total of 60 may be selected from additional courses in mathematics, laboratory science, social sciences and humanities and/or courses listed in the elective area. Elective courses may be selected to satisfy foundation requirements for an intended major pre-professional field.

Associate of Science Degree course requirements:

1. English. 3 credits in English Composition at the English 102 level or above. The prerequisite for Eng.

102 is Eng. 101, or sufficiently high placement test scores, or consent of the campus English faculty based on demonstrated writing ability. Students who are required to take Eng. 101 before Eng. 102 may count the credits in Eng. 101 as elective credits.

2. Mathematics and Laboratory Science. A minimum of 14 credits. A minimum of one course for credit in each. All mathematics courses numbered 105 or higher (except Mathematics 140) count toward the mathematics requirement. The mathematics requirement is waived for those students qualified to enter first semester calculus. If mathematics is waived, a 14-credit minimum is still required in the mathematics and laboratory science areas.

3. Social Sciences. A minimum of 6 credits.

4. Humanities. A minimum of 9 credits from at least 2 disciplines. 3 of these credits must be in literature. Courses carrying the designation HU/LI will be counted toward the satisfaction of the literature requirement.

5. Electives. Meeting the minimum requirements in items 1-4, above, totals 32 credits. The remaining credits necessary to reach a total of 60 may be selected from additional courses in mathematics, laboratory science, social sciences, and humanities, and/or courses listed in the elective area. Elective courses may be selected to satisfy foundation requirements for an intended major or pre-professional field.



Course descriptions

Although no single UW Center offers every course, each campus offers the essential freshmen/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

ANT Anthropology
ART Art
AST Astronomy
BAC Bacteriology (See Biological Sciences)
BIO Biology (See Biological Sciences)
BOT Botany (See Biological Sciences)
BUS Business
CHE Chemistry



COM Communication Arts
CPS Computer Science
ECO Economics (See Business & Economics)
EDU Education
EGR Engineering
ENG English
FOR Forestry (See Biological Sciences, Natural Resources)
FRE French (See Foreign Language)
GEO Geography
GER German (See Foreign Language)
GLG Geology
GRA Engineering Graphics (See Engineering)
HIS History
INT Interdisciplinary Studies
LEA Learning Resource
LEC Lecture Forum
MAT Mathematics
MEC Engineering Mechanics (See Engineering)
MLG Meteorology (See Geology & Meteorology)
MLS Military Science
MUA Music, Applied (See Music)
MUS Music
NAT Natural Resources (See Biological Sciences)
PED Physical Education
PHI Philosophy
PHS Physiology (See Biological Sciences)
PHY Physics
POL Political Science
PSY Psychology
SOC Sociology
SPA Spanish (See Foreign Language)
WIL Wildlife (See Biological Sciences, Natural Resources)
WOM Women's Studies
ZOO Zoology (See Biological Sciences)

Abbreviations for Associate Degree designations:

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

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.

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.*

ANT 291 Topics in Anthropology. 3-4 cr. The topic selected will be in some area of special competence of the instructor. When this course is offered, the specific topic will be indicated in the campus timetable. Prereq: ANT 100, 102, 105 or cons. instr. *

ANT 299 Independent Reading and Research in Anthropology. 1-4 cr. Prereq: ANT 100, 102, 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/4 cr. LS/CC.*

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.*

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, 105, 200 or cons. instr. *SS.*

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, and 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.*

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 the persistence of cultural traditions. *SS/HP/CC.*

ANT 250 Women in Cross-Cultural Perspective. 3 cr. (Same as WOM 250) The study of women in a variety of societies around the world, both past and present. Includes consideration of the sexual division of labor, marriage systems, child rearing, relationships between men and women, and systems of myth and ideology concerning women's roles. *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. Pre req: ANT 100, 105 or cons. instr. *SS/HP/CC.*

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, 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, 105, 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, 200 or cons. instr. *SS/CC.*

ANT 350 Illness and Healing in Anthropological Perspective: Introduction to Medical Anthropology. 3 cr. This course examines the interrelationships between ecology, culture, society, disease and medicine from the beginnings of humankind to the present and includes the study of paleopathology (the analysis of disease found in the fossil record). Using a comparative approach, the course considers how health, illness and disease are defined in a variety of societies and analyzes 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, 102, 105 or cons. instr. *SS/HP/CC.*

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. (This course may be offered in modules during two consecutive semesters). *EL.*

ART 102 Intermediate Drawing. 3 cr. Continuation of ART 101. Lecture—lab. (This course may be offered in modules during two consecutive semesters). *EL.*

ART 103 Drawing II. 3 cr. Advanced drawing problems of expression and form. Lecture—lab. Prereq: ART 102. (This course may be offered in modules during two consecutive semesters). *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. (This course may be offered in modules during two consecutive semesters). *EL*.

ART 113 Layout and Lettering. 3 cr. Letter form and typographic design applied to various modes of visual communication. Lecture—lab. *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. Pr req: 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. ins tr. *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. (This course may be offered in modules during two consecutive semesters). *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, 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. (This course may be offered in modules during two consecutive semesters). *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. (This course may be offered in modules during two consecutive semesters). *EL*.

ART 232 Sculpture II. 3 cr. Advanced work in sculptural expression; traditional and contemporary methods of production. Lecture—lab. Prereq: ART 231. (This course may be offered in modules during two consecutive semesters). *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. Insized 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/4 cr. 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, optical 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, 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. *

BIOLOGICAL SCIENCES

Bacteriology

BAC 101 General Survey of Microbiology. 5 cr. An introduction to the fundamental principles and techniques of microbiology and their application to public health practices. The subjects of pathology, microbial genetics, evolution, taxonomy, anatomy, and metabolic pathways are discussed. 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. 2 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 is approved as meeting the



statutory requirement for Conservation of Natural Resources as 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, and 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, and physiology 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 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. Botanical and geographical history of plants important in the development of civilization and in world economy. Lecture. *EL*.

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 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. *

Natural Resources

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*.

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; selected problems in wildlife conservation. Lecture, lab and field trips. Prereq: Introductory BIO course. *NMS/NS/LS*.

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*.

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 to be alive. Through lecture and laboratory, the student studies the major organ systems of the human and how their 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 subcellular 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. Lecture, demonstrations, and lab. 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)*.

Zoology

ZOO 101 Animal Biology. 5 cr. General biological principles—structure and function of the 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 is approved as meeting the statutory requirement for Conservation of Natural Resources as 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; 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, venereal disease, 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 to be alive. Through lecture and laboratory, the student studies the major organ system of the human and how their structure relates to function. Lecture, demonstration, and lab. Prereq: introductory CHE, BIO courses recommended. *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 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*.

BUSINESS AND ECONOMICS

Business

BUS 101 Intro to Business. 2-3 cr. Introduction to the role of business in the modern political, social, and economic environments: describes career opportunities. *EL*.

BUS 110 Personal Finance. 2-3 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 coursework 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 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 Effective Business Communications. 2-3 cr. Study and practice of the techniques for achieving clarity, brevity, and effectiveness in business writing. Planning, preparation, criticizing of business letters, memoranda,

short and long reports, and manuals of procedure. Prereq: ENG 102. *EL*.

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: one semester of calculus, sophomore standing or cons. instr. *NMS/MS*.

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

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

Economics

ECO 101 Survey of Economics. 3-4 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 204 may not receive credit; if a student takes ECO 203 or 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 such areas 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: sophomore standing 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: sophomore standing 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, 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: one semester of calculus, sophomore standing or cons. instr. *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. *EL*.

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

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

CHEMISTRY

CHE 100 Foundations of Chemistry. 1-3 non-degree cr. Emphasizes fundamental chemical concepts. May be taken before, or concurrently with, CHE 125 or CHE 145. Prereq: none. Intended for students who have had no previous chemistry, or have a limited background in chemistry. Course does not carry degree credit.

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 suitable prerequisite for professional chemistry courses. Prereq: none. *NMS/NS*.

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*.

CHE 125 Introductory Chemistry. 5 cr. A one semester introductory course in college chemistry including an introduction to organic chemistry. Consists of lectures, discussion and laboratories. Primarily for students whose programs require only CHE 125 or CHE 125-203 combination. Concurrent registration in CHE 100 may be required. Students may not count both CHE 125 and 145 toward the natural science or laboratory science requirement for their degree. *NMS/NS/LS*.

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. Concurrent registration in CHE 100 may be required. Students may not count both CHE 125 and 145 toward the natural science or laboratory science requirement for their associate degree. Prereq: demonstrated competency at MAT 105 level or concurrent MAT 105 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 203 constitute a year course with emphasis on organic and biological chemistry for non-science majors. Prereq: CHE 125 or 145 with cons. instr. If taken alone *EL*; *NMS/NS/if combined with 211, LS.*

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.*

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 6-8 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-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 100 Applied Journalism. 1 cr. Practical application of the principles of observing, reporting, writing and editing, photography and management for journalism publications or newscasts. Students work for a campus publication or broadcasting project and submit copies and reports of their work to the instructor for evaluation and critique. *EL*.

COM 101 Introduction to Interpersonal Communication. 3 cr. A course aimed at increasing the student's awareness of how he/she and others communicate and at improving communication with others in one-to-one and small group situations. *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, play reading. Preparation of special programs. 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 speech and an application of these fundamentals in a variety of selected communication experiences. *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 the elements of a theatrical production. *HFA/FA/HP*.

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 **Theater 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*.

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 which examines mass media practices, theories and research. *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. Course treats writing for news media, but spends time 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: Comm. Arts 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. Appreciation of literature through critical analysis and the oral re-creation of literary materials. *EL*.

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 group decision making. Includes critical and creative problems 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*.

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

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 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 teach programming. *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 such topics as program preparation and documentation, time sharing, storage and information retrieval, computer arithmetic and data representation, BASIC, FORTRAN, and COBOL programming. Prereq: MAT 110, 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: MAT 211 or 221 or concurrent registration, previous programming experience or cons. instr. *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, 211 or 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 such things 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 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).*

CPS 250-260 Programming in Computer 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: CPS 110, 111 or 113 or CPS 210, 211 or 213 or cons. instr. *NMS/MS.*

CPS 250 BASIC; CPS 251 FORTRAN; CPS 252 COBOL; CPS 253 Pascal; CPS 254 PL/1; CPS 255 APL; CPS 260 Assembly Language. *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, 211 or 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, digital logic. Prereq: CPS 110, 210 or cons. instr. *

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

ECONOMICS

(See *Business and Economics*)

EDUCATION

EDU 100 Concepts and Issues in Education. 1 cr. Colloquium related to experiences in off-campus classroom placements (EDU 200). 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. Prereq: concurrent EDU 200 registration. *EL*.

EDU 200 Field Experience in Education. 2 cr. 5 hours per week of off-campus experience involving active participation in the program at an educational institution. May be taken only with concurrent registration in EDU 100. *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. 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, emotionally disturbed, and the speech, auditorily, visually, orthopedically, and neurologically impaired. Prereq: PSY 201 or 202; 560 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: PSY 201 or 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. Prereq: 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, moments of inertia of mass. This course will serve the requirements of the several engineering curricula. Prerequisites: 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, concrete properties. Lab required if taken for 4 or 5 credits. Prereq: MEC 201. *EL*.

ENGLISH AND LITERATURE

ENG 101 Composition I. 3 cr. A writing course that focuses on coherent development of paragraphs and short essays, stressing proficiency in sentence structure, grammar, diction, and punctuation. Completion of this course will satisfy the prerequisites for ENG 102 and 250, in lieu of sufficiently high placement test scores. Not open to students eligible for ENG 102 because of their test scores except with cons. instr. *PR*.

ENG 102 Composition II. 3 cr. A rhetoric course that focuses on writing which presents information and ideas clearly and effectively, with emphasis on the essay and the documented source paper. Prereq: ENG 101, sufficiently high placement test scores or cons. instr. based on demonstrated writing ability. *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, 202 or cons. instr. *EL*.

ENG 202 Writing about Literature. 3 cr. Studying and writing about various types of literature. Develops the ability to write critical, analytical, and explicative papers about literature. Prereq: ENG 102, 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, 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 210 Business Writing. 2-3 cr. Study and practice of the techniques of achieving clarity, brevity and effectiveness in business writing. Planning, preparation, criticizing of business letters, memoranda, short and long reports and manuals of procedure. Prereq: ENG 102 or cons. instr. *EL*.

ENG 220 Introduction to the English Language. 3 cr. A beginning course in the study of the English language, concerned with such subjects as the history and structure of the language, development of dictionaries, changing meanings of words, and types of grammar. An elective open to freshman but not as a substitute for ENG 101, 102 or 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 student with credit in ENG 251, 253 or 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 World Literature Before 1700. 3 cr. Selected masterpieces of world 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/SQ(265)*.

ENG 265 World Literature After 1700. 3 cr. Selected masterpieces of world literature from the end of the seventeenth century to the present. Not open to students with credit in for ENG 274. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/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, primarily British and American, written between approximately 1900 and 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/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, primarily British and American, written after approximately 1945. Not open to student with credit in ENG 276. Prereq: ENG 101 (or exemption based on placement test score) or ENG 102 or cons. instr. *HFA/PT/SQ(266)*.

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 274 World Literature. 3 cr. A study of selected masterpieces of world 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 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 267. Prereq: ENG 101 (or exemption based on placement test 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 Black writers of twentieth century America. Program must be approved by the UW Centers' department chair. Prereq: ENG 101 (or exemption based on test placement score) or ENG 102 or cons. instr. *HFA/PT.*

FOREIGN LANGUAGE

FRE 101, 102, 201, and 202; GER 101, 102, 201, and 202; and SPA 101, 102, 201, and 202 may be offered as two modules, A and B, carrying two credits each. Module A is a prerequisite for Module B. It is expected that students will complete both modules. If only Module A is completed, elective credit will be granted. The student should consult with the transfer institution regarding the acceptance of single module credit.

French

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. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. *EL.*

FRE 102 Second Semester French. 4 cr. Continuation of FRE 101. Field trip may be required. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Prereq: FRE 101 or cons. instr. *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. This course is not part of the required foreign language sequence. 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. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Prereq: FRE 102 or cons. instr. *EL.*

FRE 202 Fourth Semester French. 4 cr. Continuation of FRE 201, but reading and subsequent writing and audio/oral practices now originate from literary and journalistic excerpts, short stories, poetry, and/or short novels in French. Cultural insights are also provided by original texts of French, Canadian, and African literature. Field trip may be required. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Prereq: FRE 201 or cons. instr. *HFA.*

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

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' department chair. Prereq: cons. instr. *

ENG 299 Independent Study. 1-3 cr. Program must be approved by the UW Centers' 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. 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 such forms 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. 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. 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' department chair. Prereq: ENG 101 (or exemption based on test placement score) or ENG 102 or cons. instr. *HFA/PT.*

on cultural, everyday topics. Carries no retroactive credit. Prereq: FRE 102 or equivalent. *EL*.

FRE 216 Elementary Conversation and Composition. 1-2 cr. May be taken concurrently with FRE 202. Prereq: FRE 215 or cons. instr. Carries no retroactive credit. *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 cons. instr. *EL*.

FRE 221 Introduction to French Literature, Middle Ages to Eighteenth Century. 3 cr. Masterpieces in fiction, drama, poetry, and essay. Texts include explanations to facilitate comprehension but appear in their original, unaltered form. Lectures in literary history and literary criticism, exercises in interpretation, compositions, oral presentations, and class discussions in French. Prereq: FRE 202 or equivalent. *HFA/PT*.

FRE 222 Introduction to French Literature, Eighteenth and Nineteenth Century. 3 cr. Masterpieces in fiction, drama, poetry, and essay. Texts include explanations to facilitate comprehension but appear in their original, unaltered form. Lectures in literary history and literary criticism, exercises in interpretation, compositions, oral presentations, and class discussions in French. Prereq: FRE 202 or equivalent. *HFA/PT*.

FRE 223 Introduction to French Literature, Twentieth Century. 3 cr. Masterpieces in fiction, drama, poetry, and essay. Texts include explanations to facilitate comprehension but appear in their original, unaltered form. Lectures in literary history and literary criticism, exercises in interpretation, compositions, oral presentations, and class discussions in French. Prereq: FRE 202 or equivalent. *HFA/PT*.

FRE 225 Conversation and Composition (Intermediate Level). 3 cr. Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. As for FRE 202, works range from excerpts to complete texts, but level of difficulty becomes increasingly higher. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: FRE 202 or equivalent with cons. instr. *HFA*.

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

FRE 276 Twentieth Century French Literature in Translation. 3 cr. Concentration on 20th-Century fiction, drama, and essays. Includes extensive studies in 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*.

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*.



FRE 291 Selected Topics in French. 2-3 cr. Artistic, literary, and philosophical themes as specified in campus timetable. Range from medieval through contemporary periods. Stress French values and creativeness through historical, thematic, and aesthetic surveys of their development. Prereq: FRE 202 and cons. instr. *

FRE 299 Intermediate Independent Reading. 1-3 cr. Individual student(s) assigned readings, reports, and papers on literary, philosophical, or aesthetic research topic determined by instructor. One-on-one meetings to be arranged. Prereq: FRE 202 or equivalent and cons. instr. *

German

GER 101 First Semester German. 4 cr. For students who have no previous training in the language. Emphasis on reading, writing, listening, and speaking in German. Classes may also include cultural studies of German and other German-speaking countries. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Field trip may be required. *EL*.

GER 102 Second Semester German. 4 cr. Continuation of GER 101. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Field trip may be required. Prereq: GER 101 or cons. instr. *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 sequence. Prereq: cons. instr. *EL*.

GER 119 Practical Spoken German. 1-2 cr. Continuation of GER 118. Not part of the required foreign language sequence. 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. This course may be offered as two modules, A and B, in successive semesters, carrying 2

credits each. See note above. Field trip may be required. Prereq: GER 102 or cons. instr. *EL*.

GER 202 Fourth Semester German. 4 cr. Continuation of GER 201, but reading and subsequent writing and audio/oral practices now originate from literary and journalistic excerpts, short stories, poetry, or short novels in German. Cultural insights are also provided by essays and original texts of German, Austrian, and Swiss literature. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Field trip may be required. Prereq: GER 201 or cons. instr. *HFA*.

GER 221 Introduction to German Literature, Middle Ages to Eighteenth Century. 3 cr. Masterpieces in fiction, drama, poetry, and essay. Texts include explanations to facilitate comprehension but appear in their original, unaltered form. Lectures in literary history and literary criticism, exercises in interpretation, compositions, oral presentations, and class discussions in German. Prereq: GER 202 or equivalent and cons. instr. *HFA/PT*.

GER 222 Introduction to German Literature, Eighteenth and Nineteenth Centuries. 3 cr. Masterpieces in fiction, drama, poetry, and essay. Texts include explanations to facilitate comprehension but appear in their original, unaltered form. Lectures in literary history and literary criticism, exercises in interpretation, compositions, oral presentations, and class discussions in German. Prereq: GER 202 or equivalent and cons. instr. *HFA/PT*.

GER 223 Introduction to German Literature, Twentieth Century. 3 cr. Masterpieces in fiction, drama, poetry, and essay. Texts include explanations to facilitate comprehension but appear in their original, unaltered form. Lectures in literary history and criticism, exercises in interpretation, compositions, oral presentations, and class discussions in German. Prereq: GER 202 or equivalent and cons. instr. *HFA/PT*.

GER 225 Conversation and Composition (Intermediate Level). 3 cr. Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. As for GER 202, works used range from excerpts to complete texts, but level of difficulty becomes increasingly higher. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: GER 202 or equivalent and cons. instr. *HFA*.

GER 226 Intermediate Composition and Conversation. 3 cr. Continuation of GER 225. Prereq: GER 225 or equivalent and cons. instr. *HFA*.

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*.

GER 277 Special Topics of German Literature in Translation. 3 cr. 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*.

GER 291 Selected Topics in German. 2-3 cr. Artistic, literary, and philosophical themes as specified in campus timetable. Range from medieval through contemporary periods. Stress German values and creativeness through historical, thematic, and aesthetic surveys of their development. Prereq: GER 202 or equivalent and cons. instr. *

GER 299 Intermediate Independent Reading. 1-3 cr. Individual student(s) assigned readings, reports, and papers on research topic determined by instructor. One-on-one meetings to be arranged. Prereq: GER 202 or equivalent and cons. instr. *

Spanish

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. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Field trip may be required. *EL*.

SPA 102 Second Semester Spanish. 4 cr. Continuation of SPA 101. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Field trip may be required. Prereq: SPA 101 or cons. instr. *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. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Field trip may be required. Prereq: SPA 102 or cons. instr. *EL*.

SPA 202 Fourth Semester Spanish. 4 cr. Continuation of SPA 201, but reading and subsequent writing and audio/oral practices now originate from literary and journalistic excerpts, short stories, poetry, or short novels in Spanish. Cultural insights are also provided by essays and original texts of Peninsular and Latin American literature. This course may be offered as two modules, A and B, in successive semesters, carrying 2 credits each. See note above. Field trip may be required. Prereq: SPA 201 or cons. instr. *HFA*.

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. Does not carry retroactive credit for work completed in high school. Prereq: SPA 201 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. Texts include explanations to facilitate comprehension but appear in their original, unaltered form. Lectures in literary history and criticism, exercises in interpretation, compositions, oral presentations, and class discussions in Spanish. Prereq: SPA 202 or equivalent. *HFA/PT.*

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. Texts include explanations to facilitate comprehension but appear (except for medieval texts) in their original, unaltered form. Lectures in literary history and criticism, exercises in interpretation, compositions, oral presentations, and class discussions in Spanish. Prereq: SPA 202 or equivalent. *HFA/PT.*

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. As for SPA 202, works range from excerpts to complete texts, but level of difficulty becomes increasingly higher. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: SPA 202 or equivalent and cons. instr. *HFA.*

SPA 226 Intermediate Conversation and Composition. 3 cr. A continuation of SPA 225. Prereq: SPA 225 or equivalent. *HFA.*

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. 3 cr. Lectures and readings, in English, on the art, music, architecture, history, 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 in Translation. 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. *HFA/CC.*

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 literary criticism, exercises in interpretation, compositions, oral presentations, and class discussions in English. No knowledge of Spanish necessary. No foreign language credit. *HFA.*

SPA 291 Selected Topics in Spanish. 2-3 cr. Artistic, literary, and philosophical themes as specified in campus timetable. Range from medieval to contemporary periods and may apply to either Peninsular or Latin-American works. Stress Hispanic values and creativeness through historical, thematic, and aesthetic surveys of their development. Prereq: SPA 202 and 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 202 or equivalent 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(110).*

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/4 cr. 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/4 cr. 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 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; 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 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 on humans. Field trips. *NMS/NS/4 cr. 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.*

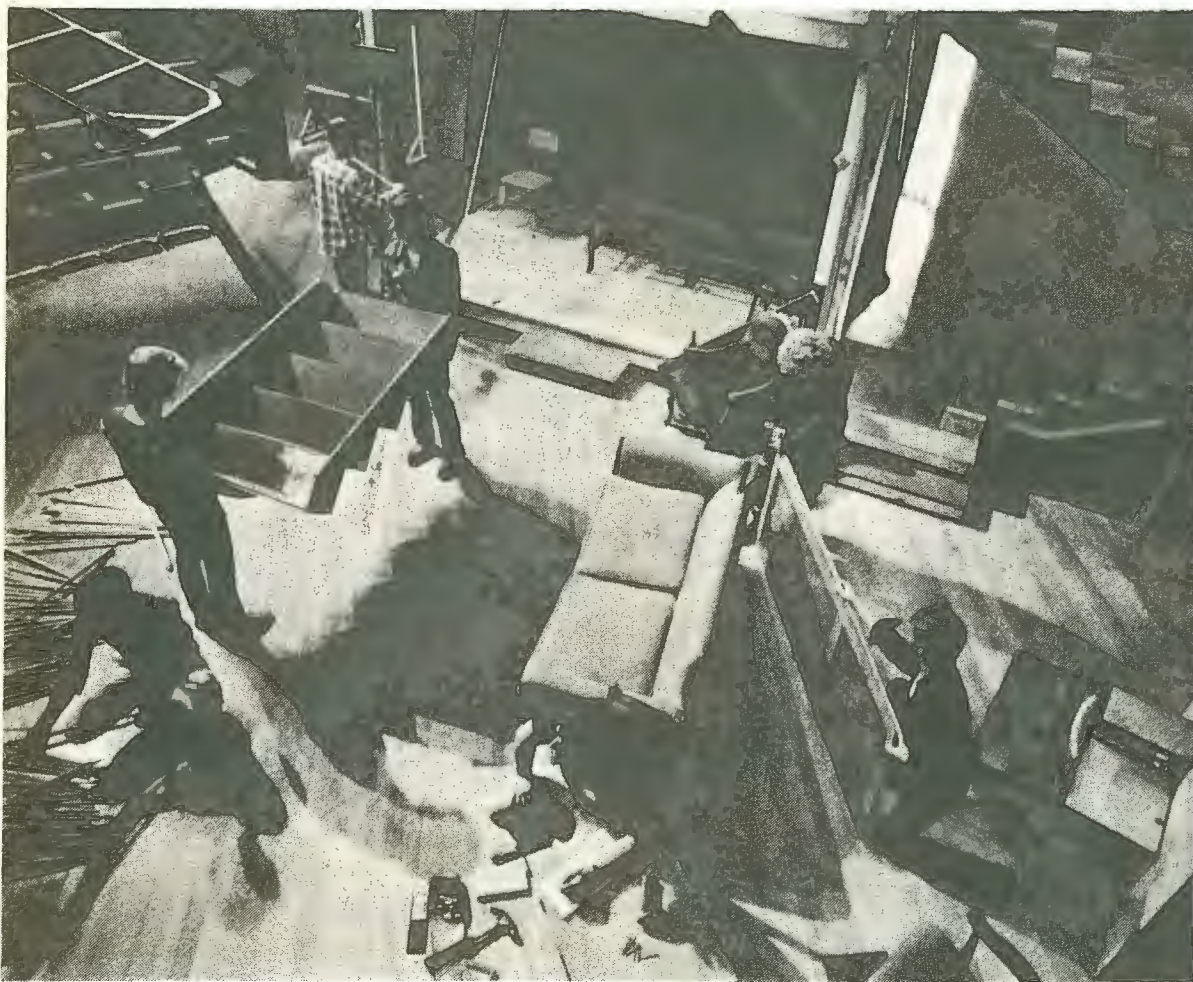
GEO 324 Middle East and North Africa. 3 cr. Description and analysis of the physical and cultural landscapes of the Middle East and North Africa. Prereq: one semester of college work. *SS/CC.*

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 AND METEOROLOGY

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, 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/NA/4 cr. 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/4 cr. 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 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, GEOG 120, or GEOG 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, GEOG 120, or GEOG 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.

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, hurricanes; weather maps and forecasting. 2-3 cr. NMS/NS/4 cr. LS.

GERMAN

(See Foreign Language)

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, and 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.*

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.*

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.*

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.*

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; the new states of Africa and Asia. *SS/HP/CC.*

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 160 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 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. 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. An effort will be made to 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. Prereq: sophomore standing or cons. instr. *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. Prereq: sophomore standing or cons. instr. *SS/HP.*

HIS 219 History of the Soviet Union. 3 cr. A consideration of the major themes and personalities of Russian history since 1917. Prereq: sophomore standing or cons. instr. *SS/HP.*

HIS 222 Recent Chinese History. 3 cr. Western impact, social change, and revolutions in twentieth century China, pre-1949. Prereq: sophomore standing or cons. instr. *SS/HP.*

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. Prereq: sophomore standing or cons. instr. *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 a 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. Prereq: sophomore standing or cons. instr. *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, international trade. Prereq: sophomore standing or cons. instr. *SS/HP.*

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. Prereq: sophomore standing or cons. instr. *SS/HP/CC.*

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. Prereq: sophomore standing or cons. instr. *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. Prereq: sophomore standing or cons. instr. *SS/HP.*

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, Watergate and its aftermath. Prereq: sophomore standing or cons. instr. *SS/HP.*

HIS 288 Representative Americans. 3 cr. A biographical approach; evaluation of contributions of leading Americans to the nation's development. Prereq: sophomore standing or cons. instr. *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. Prereq: sophomore standing or cons. instr. *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. Prereq: sophomore standing or cons. instr. *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. Prereq: sophomore standing or cons. instr. *SS/HP*.

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. Prereq: sophomore standing or cons. instr. *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. *IST*.

JOURNALISM

(See Communication Arts)

LEARNING RESOURCES

LEA 100 Grammar Skills. 1-2 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. 1-2 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. 1-2 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. 1-2 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. 1-2 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 coursework will be stressed.

LEA 105 Basic Math. 1-2 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. 1-2 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.

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, 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, it is strongly recommended that a grade of "C" or better be attained 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.

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 091 Elementary Algebra. 1-3 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 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: 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 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) 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 equation, solutions of triangles. Prereq: a course in plane geometry and one of the following: (a) 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, chi square test. Prereq: 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; deMoivre's theorem. Prereq: MAT 105 or equivalent. Students may not earn more than five credits of any combination of MAT 110, 113 and 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 may also include elementary concepts of algebra, probability, and statistics. Four hours lecture or three hours lecture and two hours laboratory per week. Prereq: 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 may also 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, the development of mathematical systems. It is not intended as preparation for other mathematics courses. *NMS/MS*.

MAT 211 Calculus and Related Topics. 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 and techniques of differential and integral calculus with applications. Students who are preparing to major in mathematics, physics, etc. should enroll in the MAT 221, 222 and 223 sequence. Prereq: MAT 110, MAT 124 or equivalent. Students may not earn more than six credits by taking both MAT 211 and MAT 221. *NMS/MS/SQ(212)*.

MAT 212 Calculus and Related Topics. 3-4 cr. This course is of interest primarily to business students. Topics include matrices, linear programming and applications, probability, multivariate calculus and the mathematics of finance. Prereq: MAT 211 or cons. instr. *NMS/MS/SQ(211)*.

MAT 220 Computer Illustrations of Calculus. 1 cr. This course emphasizes the analysis of selected calculus topics using a computer. It reviews programming in a high level language, then examines calculus related programs such as approximation of function limits, graphing f by approximating $f'(x)$ at several points, location of zeros of functions, location of extreme values of functions, and integral approximations. Prereq: a computer course and completion of, or concurrent enrollment in, MAT 211 or MAT 221 or equivalent. *NMS/MS*.

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

MAT 222 Calculus and Analytic Geometry II. 5 cr. Continuation of MAT 221. Applications of integration, logarithm-

mic and exponential functions, trigonometric functions, techniques of integration, polar coordinates and the conic sections, infinite series, vectors. Prereq: MAT 221. *NMS/MS/SQ(221 or 223).*

MAT 223 Calculus and Analytic Geometry III.

4-5 cr. Continuation of MAT 222. Infinite series; analytic geometry of three dimensions; functions of several variables with emphasis on partial differentiation and multiple integration; introduction to differential equations. Prereq: MAT 222 or equivalent. Note: the order of topics covered in MAT 221, 222, and 223 may depend on the text used and the instructor. *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: 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: MAT 221 and CPS 211 or 213. *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; hypothesis testing. Prereq: MAT 211, 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, symmetric matrices. Prereq: 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: 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: MAT 223 and either 271 or 224 or MAT 223 and concurrent registration in 271 or 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: one semester of calculus and cons. instr.*

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

METEOROLOGY

See *Geology & Meteorology*



MILITARY SCIENCE

Military science courses are offered only by the Fond du Lac and Waukesha campuses.

MLS 101 The Defense Structure and Introduction to Leadership. 1 cr. An overview of the U.S. Defense Structure, past, present and future. Introduction to the organization of the U.S. Army and fundamentals of military leadership. *EL.*

MLS 205 Land Navigation. 2 cr. Application of the principles of land navigation and the use of maps and lensatic compasses to traverse unfamiliar terrain. Facets of the course include an introduction to aerial photography reading and the sport of orienteering. A good portion of the class period is conducted outdoors on and around the campus. *EL.*

MLS 213 Red Cross First Aid and Emergency Medical Care. 2-3 cr. (Same as PED 213.) Principles and procedures in emergency and home medical care designed to prepare the layperson for emergencies likely to be encountered in daily living. Upon successful completion, Standard A.R.C. First Aid certification for 2 cr. or Advanced First Aid certification for 3 cr. is awarded. *EL.*

MLS 251 Introduction to Military Leadership. 2 cr. Principles of military leadership, military organization and structure, map reading and land navigation, fundamental role of the military in government. Field trip required. *EL.*

MLS 302 Method of Instruction/Leadership Principles. 3 cr. Leadership practicum in resolving small unit leadership problems caused by communications, misunderstandings, motivational problems, and job performance degradation. The final one-third of the course encompasses instruction and practical application in the fundamentals of military instruction. Instructional topics are continually geared to preparing the student for Advanced Camp participation and completion. *EL.*

MLS 303 Administrative & Logistics Management. 3 cr. Discussion and practical exercise dealing with the role of the junior officer in meeting his/her responsibilities for unit administration and logistics management, familiarization with customs and traditions of the military and the many facets of becoming a commissioned officer. *EL.*

MUSIC

MUS 070 Orchestra. 0-2 cr. Open to all students by tryout. *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. *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 272. *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.*

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 0 14	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	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

(See *Biological Sciences*)

PHILOSOPHY

PHI 101 Introduction to Philosophy. 3 cr. An introduction to philosophy as the activity of clarifying ideas, developing positions, and evaluating arguments on such problems 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 Introduction to 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 Introduction to 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 Introduction to 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 210 The Uses of Argument. 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 Introduction to the 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 241 Introductory 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.*

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: aries 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

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.

PED 001 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

PED 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 Advanced Life Saving
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
PED 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)
- 122 Water Safety Instructor (Prerequisites: PED 058)
- 123 CPR Course which 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.

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 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. (Same as MLS 213.) 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 215 Sports Officiating. 2 cr. 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 course. *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 291 Special Topics in Physical Education. 1-3 cr. Course content must be approved by the local campus and the chairman of the department. *EL.*

PED 299 Independent Study in Physical Education. 1-3 cr. Program must be approved by chairman of the department. *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; 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/4 cr. 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, and the several senses, neural processes) and to the physics of commonly used instruments and equipment. Prereq: high school general science and algebra or cons. instr. *NMS/NS/4 cr. 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/4 cr. LS.*

PHY 141 General Physics. 4 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: demonstrated competency at MAT 105 level or concurrent registration in MAT 105. *NMS/NS/LS/SQ(142).*

PHY 142 General Physics. 4 cr. A continuation of Physics 141. Electricity, magnetism, light, 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, solid state physics; kinetic theory, 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, 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, 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

(See Biological Sciences)

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.*

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 206 Politics of Developing Areas. 3 cr. A critical examination of developmental concepts, socio-economic and political problems of the Third World. Problem 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 such fields 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. SS.

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. /ST/CC.

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. Topics such as research methodology, learning and memory, physiological psychology, sensation and perception, motivation and emotion, development, personality, psychopathology, and

social psychology. Advanced freshman standing recommended. Students may not receive credit for both PSY 201 and 202. SS.

PSY 202 Introductory Psychology. 3 cr. (See PSY 201 course description. Students who have taken PSY 201 may not take course for credit. SS.

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 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 202. 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, 202, 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 201/202 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, 202 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 361 or 362. Prereq: PSY 201 or 202. SS.

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 202. NMS/NS.

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, 202 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 202. 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 202. 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, 202 or cons. instr. *

PSY 330 Social Psychology. 3 cr. Examination of theory and research in such areas as social cognition, attitude formation and change, attribution theory, attraction, group processes, conformity and compliance, aggression and prosocial behavior. Prereq: PSY 201 or 202. 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, motor, perceptual, cognitive, language, emotional and social development. Students may not receive credit for both PSY 360 and PSY 250. Prereq: PSY 201 or 202. SS/SQ(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 561 and 250. SS.

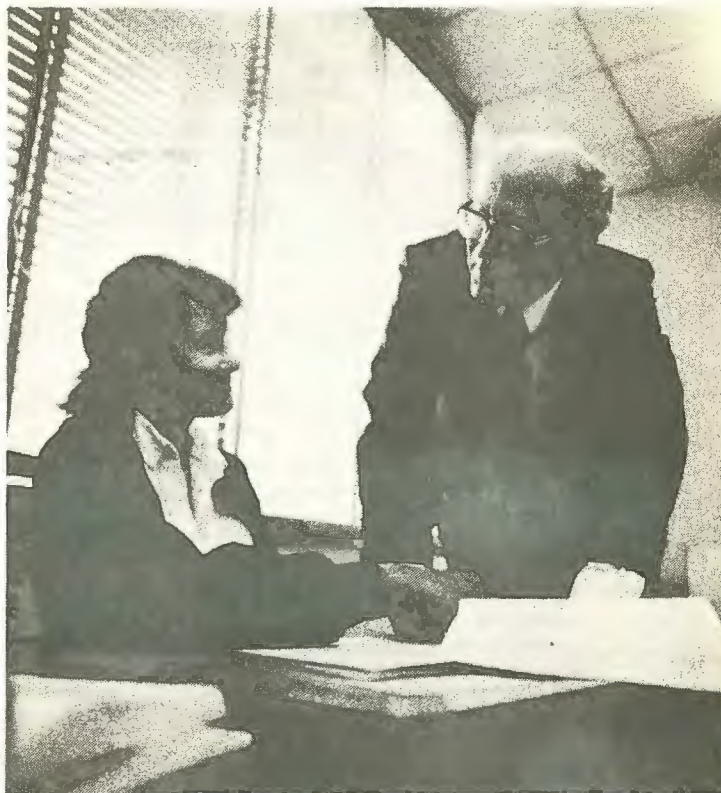
PSY 362 Developmental Psychology: Adulthood. 3 cr. Topics include physical, intellectual, personal and interpersonal development; with emphasis on adjustive responses to life challenges such as career choice, marriage, parenthood, aging, and dying. Students may not receive credit for both PSY 362 and PSY 250. SS/SQ(360).

SOCIOLOGY

SOC 101 Introduction to Sociology. 3 cr. A study of the basic concepts, theories, and methods of sociology, emphasizing the significance of culture and personality, social process and organization, forces of social stability and change. SS.

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. American society is embedded in a web of relations with other countries of the world. This course will explore contemporary American society in the context of these relations and in contrast to these countries. Focus will be upon social structure and institutions, cultural values,



dynamics of change, and developing mutually beneficial relationships between 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.

SOC 131 Crime and Criminal Justice. 3 cr. This course will provide an introduction to the day-to-day functioning of the elements of the criminal justice system in the United States. The course explores the nature of crime in the United States, and reviews ideas about causes and solutions. Major emphasis is on the sociology of the component parts of the criminal justice system—the organization and role of police, lawyers, court and correctional personnel. SS.

SOC 134 Problems of American Minority Groups. 3 cr. The nature, problems and adjustments of American racial, religious, ethnic and nationality groups; proposals for reduction of intergroup tension. SS/HP/CC.

SOC 138 Sociological Perspectives on Sex 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, motherhood, employment and occupational attainment. Particular attention is given to socialization into sex roles and their cultural reinforcement. Both existing patterns and ongoing changes will be examined. 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 attrac-

tion, and societal regulation on intimate relationships. Concepts and findings in these areas are related to empirical data on sexual behavior, including pre-marital relationships, 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 250 Organizations and Society. 3 cr. Role of organizationism including industrial, governmental and educational ones, in American society. Topics: 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. The topic selected will be in some area of special competence of the instructor. When this course is offered, the specific topic will be given in the campus timetable. Prereq: sophomore standing and one course in sociology or cons. instr. *

SOC 293 Proseminar in Sociology. 1-3 cr. The topic selected will be in some area of special competence of the instructor. When this proseminar is offered, the specific focus will be stated 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 such topics as motivation, attitude, value, communications, leadership, etc. Prereq: sophomore standing and either SOC 101, ANT 100, PSY 201 or PSY 202. 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, collection and evaluation of data. Prereq: sophomore standing and an introductory sociology course or cons. instr. SS.

SPEECH AND DRAMATIC ARTS

(See Communication Arts)

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 Sex 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. Particular attention is given to socialization into sex roles and their cultural reinforcement. Both existing patterns and ongoing changes will be examined. 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 202 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.) The study of the position of women in a variety of societies around the world. Includes consideration of the sexual division of labor, marriage systems, child rearing, relations between men and women and systems of myth and ideology concerning women's roles. The effects of socio-economic development and rapid social change are examined. SS/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. *

UW Centers Campuses





Aural M. Umhoefer, Dean
Dennis J. Stroede, Student Services Director
 Student Services Office
 1006 Connie Road
 Baraboo, WI 53913
 (608) 356-8351, ext. 45 or 55

University of Wisconsin Center

Baraboo/Sauk County

Location

The University of Wisconsin Center-Baraboo/Sauk County campus is located on 68 hillside acres on the northwest side of Baraboo.

Student body

In fall 1987, 520 students were enrolled: 255 men and 265 women. Sixty-two percent of the student body are recent high school graduates; the remaining 38 percent are over age 24.

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, quiet study areas and additional classroom and faculty office space. Basketball and tennis courts, 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: Honors Program, liberal arts component of the nursing degree program in cooperation with MATC, associate degree program at Oxford Federal Corrections Institution and graduate credit courses in Education in cooperation with UW-LaCrosse.

Scholarships: Numerous scholarships and grants in various amounts for up to full tuition.

Extracurricular: Intramural and varsity sports; cross country, tennis, softball, volleyball and bowling.

Community interest programs: Wide range of Continuing Education courses, Elderhostel, College for Kids, Music Clinic, Performing Arts Series, Concerts on the Square, Rogues and Vagabonds—the campus-community theater program, Campus Singers, Civic Chorus, Community Band, Jazz Band and Brass Ensemble.

**UWC-Baraboo/Sauk County
Administration and support services**

Umhoefer, Aural M. (1965)
Campus Dean
B.A., Rosary College
M.L.S., University of Wisconsin-Madison

Davidson, Robert J. (1982)
Developmental Skills Specialist
Administrative Program Manager
B.A., Milton College
M.A., California Polytechnic State
Ph.D., University of Wisconsin-Madison

Flesch, David J. (1980)
Developmental Skills Specialist
B.S., University of Wisconsin-Eau Claire
M.S., University of Wisconsin-LaCrosse

Gerlach, Janice R. (1982)
Program Manager, Student Services
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Grant, Mary S. (1983)
Administrative Program Manager, Public Information
Outreach Program Manager, Continuing Education
B.S., De Paul University
M.S., Marquette University

Raught, Linda (1968)
Business Manager

Refsland, Elaine B. (1987)
Advisor, Oxford College Program
B.M., University of Wisconsin-Stevens Point
M.S., Bemidji State College

Schell, Mary A. (1987)
Developmental Skills Specialist, Oxford College Program
B.S., University of Minnesota
B.T., Mankato State College

Smith, Linda L. (1969)
Sr. Outreach Program Manager, Continuing Education
B.A., Northeastern State College
M.S., University of Illinois

Stroede, Dennis J. (1968)
Director, Student Services
B.S., University of Missouri-Columbia
M.S., University of Wisconsin-Madison
M.A., University of Alabama

Stroede, Mary E. (1968)
Director, Library
A.A., St. Petersburg Junior College
B.A., University of Florida

Vladick, Mark (1972)
Sr. Administrative Program Manager
Instructional Media Services
B.S., University of Wisconsin-Madison

Faculty and lecturers

Bechtel, Donald L. (1966)
Associate Professor, History
B.S., University of Wisconsin-LaCrosse
M.A., University of South Dakota
M.A., University of Wisconsin-LaCrosse
Ed. D., University of South Dakota

Boone, Lois B. (1985)
Associate Lecturer, Spanish
A.B., Marion College
M.S., University of Kansas

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)
Assistant Professor, English
B.A., University of Florida
M.A., University of South Florida
A.B.D., University of South Florida

Duckworth, Bruce E. (1977)
Associate Professor, Business
B.S., Colorado State University
M.B.A., University of Minnesota

Eddy, Jennifer J. (1965)
Associate Professor, Chemistry
B.A., Bemidji State College
B.S., Bemidji State College
M.S., Bemidji State College

Etzwiler, David J. (1977)
Assistant Professor, Math, Computer Science
B.A., Saint Joseph's College
M.A., University of Wisconsin-Madison

Floody, Dale R. (1978)
Associate Professor, Psychology
B.A., St. John's University
Ph.D., Rutgers State University-Douglas

Frye, Donna M. (1982)
Associate Lecturer, Mathematics
B.E., University of Wisconsin-Whitewater
M.S., University of Wisconsin-Madison

Grant, Kenneth B. (1978)
Associate Professor, English
B.A., DePaul University
M.A., Marquette University
Ph.D., Marquette 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 G. (1980)
Associate Professor, Sociology
B.S., The Ohio State University
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Irwin, Harriet A. (1985)
Associate Lecturer, Biological Sciences
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Kiesel, Diann S. (1981)
Instructor, Geology/Geography
B.S., Bowling Green State University
M.A., Bowling Green State University

Morgan, Steven G. (1982)
Lecturer, Music
B.A., University of Redlands
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Phelps, Janet W. (1969)
Associate Professor, Biological Sciences
B.A., Antioch College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Phelps, Laurence M. (1972)
Assistant Professor, Biological Sciences
A.B., Carleton College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Poland, Helene D. (1982)
Assistant Professor, Philosophy
B.A. College of White Plains
M.A., Fordham University
Ph.D., Fordham University

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)
Assistant Professor, Communication Arts
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Whitney, John A. (1969)
Associate Professor, Art
B.A., Grinnell College
M.F.A., Rochester Institute of Technology

Wright, Madeleine F. (1968)
Associate Professor, French
License-et-Lettres, University of France
M.A., University of Wisconsin-Madison
Ph.D., University Of Wisconsin-Madison



Mary Hayes Somers, Dean
David W. Morgan, Student Services Director

Student Services Office
1800 College Drive
Rice Lake, WI 54868
(715) 234-8176, ext. 430

University of Wisconsin Center

Barron County

Location

The University of Wisconsin Center-Barron County is located 60 miles north of Eau Claire in Rice Lake. The campus is south of the city on 135 acres beside the Red Cedar River.

Student body

In fall 1987, 385 students were enrolled; 169 men and 216 women. There is a mix of full-time and part-time students. There also is an age mix, with 26 percent of the student body over age 24.

Students at UWC-Barron come from all over north-west Wisconsin. Many come from such towns as Barron, Cumberland, Rice Lake, Spooner and Chetek.

Facilities

There are seven buildings on the campus: Ritzinger Hall, Library, Fine Arts Building, Gymnasium, Student Union, Administration Building and Maintenance Building. The Center shares the library, student center and gymnasium facilities with the Wisconsin Indianhead Technical College, whose campus is adjacent to UWC-Barron.

Special programs

Academic: Observatory, educational trips to Grand Canyon and to France, tutoring services, Humanities Day and Ritzinger Math-Science Day.

Scholarships: A scholarship program sponsored by Barron County Campus Foundation.

Extracurricular: Intramural and varsity sports, newspaper, forensics, Delta Psi Omega drama fraternity, Student Government Association, Math-Science Club, Phi Theta Kappa national honors fraternity, French Club and Foreign Born Students.

Community Interest Programs: Continuing Education courses, Summer Kids' Kollege, Fine Arts programs sponsored by Barron County Campus Foundation, theatre, Communiversy Band, Swing Singers and art gallery exhibits.

**UWC-Barron County
Administration and support services**

Somers, Mary Hayes (1988)
Campus Dean
B.A., Hunter College-City University of New York
M.A., Hunter College-City University of New York
Ph.D., Graduate Center-City University of New York

Gilbertson, Gene A. (1968)
Assistant Professor, Student Services
B.S., University of Wisconsin-River Falls
M.A., Winona State College

Mofle, Susan E. (1983)
Specialist, Developmental Skills
B.A., Augustana College

Morgan, David W. (1988)
Director, Student Services
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Morse, Grant W. (1966)
Director, Library
B.A., Ottawa University
M. Div., Eastern Baptist Theological Seminary
M.S., State University of New York

Rogers, Michael D. (1988)
Business Manager
A.A., University of Wisconsin Center-Barron County
B.S., University of Wisconsin-River Falls

Faculty and lecturers

Arntson, Wayne W. (1967)
Associate Professor, Chemistry
B.S., University of Wisconsin-Eau Claire
M.A., State College, Cedar Falls, Iowa
Ed.D., University of Northern Colorado

Chester, Kenneth A. (1988)
Lecturer, Communication Arts
B.A., St. Cloud State University
B.S., St. Cloud State University
M.A., North Dakota State University

Cooksey, Ben F. (1974)
Assistant Professor, Biology
A.A., Northeastern Oklahoma A & M
B.S., Kansas State College at Pittsburgh
M.S., Kansas State College at Pittsburgh
Ph.D., Kansas State University

Crisler, Dale E. (1966)
Associate Professor, Physics
B.S., University of Wisconsin-River Falls
M.S., Vanderbilt University
Ph.D., University of Wyoming

Griffin, James P. (1987)
Associate Lecturer, Philosophy
A.B., Bob Jones University
M.A., Boston University
Ph.D., Boston University

Grivna, Dennis (1969)
Associate Professor, Biological Sciences
B.S., University of Wisconsin-River Falls
M.S., University of Wisconsin-River Falls

Hallstrom, Michael E. (1984)
Assistant Professor, Business/Economics
B.A., Gonzaga University
M.A., University of Wisconsin-Madison

Harms, Dennis A. (1967)
Assistant Professor, Music
B.S., University of Minnesota
M.A., University of Northern Colorado

Hasman, Robert H. (1972)
Assistant Professor, English
B.S., University of Illinois
B.A., University of Illinois
M.A., University of Illinois

Hessel, Robert F. (1987)
Associate Lecturer, Mathematics
A.S., University of Wisconsin Center-Barron County
B.S., University of Wisconsin-River Falls
M.S.T., University of Wisconsin-Eau Claire

Hoelt, Mary E. (1971)
Assistant Professor, French, Communication Arts
B.S., University of Wisconsin-Oshkosh
M.S.T., University of Wisconsin-Eau Claire

Jenkins, David D. (1966)
Assistant Professor, History
B.S., University of Wisconsin-La Crosse
M.S., University of Wisconsin-La Crosse
D.A.T., University of North Dakota

Loomer, Harry T., Jr. (1967)
Associate Professor, Geography
B.S., University of Wisconsin-Eau Claire
M.A., Michigan State University

Moffe, Lawrence D. (1982)
Assistant Professor, Mathematics
B.S., Augustana College
M.A., University of South Dakota

Panahi, Mohammad H. (1986)
Visiting Assistant Professor, Sociology, Political Science
B.A., University of Tehran
M.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Pannier, James M. (1966)
Associate 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

Patraw, James (1972)
Associate Lecturer, Geology
B.S., South Dakota School of Mines & Technology
M.S., South Dakota School of Mines & Technology

Ruedy, Donald H. (1969)
Associate 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
C.A., San Diego State University

Schmid, Karl N. (1967)
Assistant 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

Zimmerman, Ruth M. (1967)
Instructor, English
B.A., Gustavus Adolphus College
M.A., University of Florida



Bradley M. Gottfried, Dean
Allan Loehndorf, Student Services Director

Student Services Office
Campus Drive
Fond du Lac, WI 54935
(414) 929-3608

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 1987, 745 students were enrolled, 375 men and 370 women. Students attend on a full-time and part-time basis. Their ages vary and 26 percent are over age 24.

Facilities

The six buildings of the Fond du Lac Center are grouped on the shore of a two acre man-made lake. Facilities include classroom, science and library-administration buildings, a student center, a physical education/music facility and the 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.

Special programs

Academic: Day and evening credit courses, 5-year evening Associate Degree schedule, UW Centers Library Processing Center and UW-Oshkosh graduate practicum site. The UWC-Fond du Lac and the Post-secondary Re-Entry Education Program (PREP) offers associate degree programs at Kettle Moraine and Taycheedah Correctional Institutions.

Scholarships: UW Center Fond du Lac Foundation offers academic scholarships, fine-arts talentships, new freshmen and adult student scholarships. Local scholarships are also available.

Extracurricular: Phi Theta Kappa national community college honorary society, intramural and varsity sports, student government, social activities, newspaper, informal personal and career seminars and interest clubs.

Community interest programs: Continuing Education courses, lectures and symposiums, Fine arts performances, annual Madrigal Dinner and corporate training facilities.

UWC-Fond du Lac
Administration and support services

Gottfried, Bradley M. (1987)

Campus Dean
B.A., West Chester State College
M.S., Western Illinois University
Ph.D., Miami University

Clausen, Thomas H. (1974)

Sr. Administrative Program Manager
Media Services, Public Information
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Stout

Ebert, John J. (1987)

Assistant Librarian
A.A., Sacred Heart Seminary
B.S., University of Wisconsin-Oshkosh
M.A.L.S., University of Wisconsin-Oshkosh
Ph.D., University of North Carolina-Chapel Hill

Greisch, Richard G. (1969)

Sr. Program Manager, Student Services
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Madison

Jones, R. Bernard (1988)

Business Manager
A.S., University of Wisconsin Center-Fond du Lac
B.B.A., University of Wisconsin-Oshkosh

Koch, Paul G. (1969)

Director, Library
UW Centers Library Processing Center
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Milwaukee

Loehndorf, Allan H. (1968)

Director, Student Services
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
Ph.D., Purdue University

Nicoud, Melisa (1985)

Academic Librarian
Library Processing Center
B.A., New Mexico Highlands University
M.A.L.S., University of Wisconsin-Milwaukee

Thomas, Kenneth J. (1968)

Sr. Program Manager, Student Services, Bookstore
Outreach Program Manager, Continuing Education
B.S., University of Wisconsin-LaCrosse

Faculty and lecturers

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., St. Norbert College
M.A., Marquette University

Barisonzi, Judith A. (1976)

Assistant Professor, English
B.A., Radcliffe College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Barrett, Ronald W. (1970)

Associate Professor, Biological Sciences
B.A., Gustavus Adolphus College
M.S., University of Minnesota
Ph.D., University of Minnesota

Betts, James (1984)

Assistant Professor, Music
B.M., Southern Illinois University
M.M., Southern Illinois University
D.M.A., University of Iowa

Beveridge, Mark C. (1981)

Associate Lecturer, Computer Science
B.S., College of William and Mary

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

Greisch, Richard G. (1969)

Assistant Professor, Geography
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Madison

Griffiths, William P. (1968)

Assistant Professor, Art
B.S., Western Michigan University
M.F.A., University of Wisconsin-Madison

Hayes, Elizabeth L. (1968)

Associate Professor, Biology
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
- Hill, Kenneth (1988)**
Assistant Professor, Communication Arts
B.A., Kalamazoo College
M.F.A., Trinity University
- Holstein, Ruth B. (1975)**
Associate Lecturer, Psychology
B.A., MacMurray College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison
- Johnson, Roy K. (1982)**
Associate Lecturer, Computer Science
B.S., University of Wyoming
B.A., University of Wyoming
M.A., University of Wyoming
- Kelly, Mary K. (1974)**
Associate Professor, Physical Education/Athletics
B.S., University of North Dakota
M.A., Mankato State College
- 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-Carbondale
M.S., Southern Illinois University-Carbondale
- Kumlien, Gregg C. (1987)**
Associate Lecturer, Art
B.S., University of Wisconsin-Madison
T.C., University of Wisconsin-Milwaukee
M.A., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison
- Lamont, Lawrence M. (1977)**
Associate Lecturer, Engineering
B.S., University of Wisconsin-Stout
M.S., University of Wisconsin-Stout
- Lemke, Terrence J. (1987)**
Associate Lecturer, Computer Science
B.S., University of Wisconsin-Oshkosh
- Leon, Anthony J. (1987)**
Associate Lecturer, Communication Arts
B.A., St. Ambrose College
- McLane, Margaret E. (1972)**
Assistant Professor, History
B.A., Vassar College
M.A., University of Wisconsin-Madison
- Ness, Harald M. (1969)**
Associate Professor, Mathematics
B.S., University of Wisconsin-Superior
M.A., Central Michigan University
- Noftz, Michael P. (1978)**
Assistant Professor, Sociology
B.A., University of Illinois
M.A., Northern Illinois University
- Oliver, James A. (1969)**
Assistant Professor, Geography
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
- Peckham, Allen R. (1985)**
Assistant Professor, Business
A.A., Midstate Technical Institute
B.S., University of Wisconsin-Stout
M.B.A., University of Wisconsin-Oshkosh
- Rigterink, Roger J. (1973)**
Associate 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
- Van Brunt, Nancy L. (1980)**
Lecturer, Music
B.M., University of Wisconsin-Madison
M.M., University of Wisconsin-Madison
- Wadzinski, Ivan M. (1968)**
Assistant Professor, Chemistry
B.S., University of Wisconsin-Stevens Point
M.S., Purdue University
- Wall, Roger (1978)**
Assistant Professor, Political Science
B.A., Millikin University
M.A., University of Stockholm
Ph.D., University of Stockholm
- Wifler, Carla J. (1974)**
Assistant Professor, Chemistry
B.S., University of Wisconsin-Oshkosh
M.S., Purdue University
- Wislinsky, Joan E. (1969)**
Assistant Professor, Economics
B.S., University of Wisconsin-Oshkosh
M.A.T., Purdue University



University of Wisconsin Center

Fox Valley

Location

The University of Wisconsin Center-Fox Valley is located on a 33 acre campus between Neenah and Appleton, three miles from the north shore of Lake Winnebago.

Student body

In fall 1987, 1,379 students were enrolled, 616 men and 763 women. There is a mix of full-time and part-time students. Student age covers a wide range, with 37 percent of the student body over age 24.

Facilities

The Centers' two large multi-purpose buildings contain classrooms, cafeteria, library, planetarium, gymnasium, laboratories, radio station, television studio, lecture hall, child care center, fine arts theater, art gallery and quiet study areas. The campus also has a soccer field and tennis courts.

Special programs

Academic: Honors Program, evening courses, off-campus courses, planetarium, child care center and career exploration courses.

Scholarships: The UW Fox Cities Foundation annually awards 50 scholarships worth approximately \$25,000.

Extracurricular: Student government, intramural and varsity sports, radio station, literary magazine, interest clubs and newspaper.

Community interest programs: Continuing Education courses, Aaron Bohrod Fine Arts Gallery, community theatre, lecture and fine arts series and faculty and guest lecture series.

Robert E. Young, Dean
Rhonda Uschan, Student Services Director

Student Services Office
1478 Midway Road
Menasha, WI 54952
(414) 832-2620

UWC-Fox Valley
Administration and support services

Young, Robert E. (1987)
Campus Dean
B.A., Drake University
M.A., Michigan State University
Ph.D., Michigan State University

Ashby, John J. (1987)
Student Services Specialist, Drama/Fine Arts
A.A., Ft. Lauderdale Technical Institute
B.F.A., Youngstown State University
M.F.A., Michigan State

Eagon, James B. (1980)
Business Manager
B.S., University of Wisconsin-Stevens Point

Eagon, Wendy (1983)
Administrative Program Manager, Children's Center
B.S., University of Wisconsin-LaCrosse

Ester, Leland D. (1987)
Administrative Program Manager, Public Information
B.A., North Central College

Fenner, Kathleen R. (1987)
Administrative Specialist, Student Activities

Fogle, Jill M. (1986)
Recreation Specialist
B.S., University of Wisconsin-LaCrosse

Frantz, Thomas E. (1981)
Administrative Program Manager, Media Services
B.A., Thiel College
M.S., Clarion State College

Gibas, Eugene A. (1984)
Associate Professor, Continuing Education
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Kain-Breese, April L. (1978)
Director, Library
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Madison

Lewis, Kay (1974)
Program Manager, Student Services
B.S., University of Wisconsin-Stevens Point
M.A., University of Iowa

Rickert, Brenda J. (1984)
Program Manager, Student Services
B.S., University of Wisconsin-LaCrosse
M.S., University of Wisconsin-LaCrosse

Ross, Patricia L. (1987)
Program Manager, Student Services
B.S., Indiana University
M.S., Indiana University

Schultz, Max D. (1986)
Administrative Specialist, Public Information
B.S., University of Wisconsin-Stout

Ullsperger, Russell R. (1978)
Associate Recreation Specialist, Athletics
B.S., Carroll College

Uschan, Rhonda S. (1988)
Director, Student Services
B.S., Kentucky State University
M.P.A., Kentucky State University

Faculty and lecturers

Aguero, Joseph E. (1980)
Assistant Professor, Psychology
B.A., Indiana University
M.S., Purdue University
Ph.D., Purdue University

Anderson, Kenneth F. (1965)
Associate Professor, Communication Arts
B.S., Lawrence University
M.S., University of Wisconsin-Madison

Barrett, Ronald W. (1970)
Associate Professor, Biological Sciences
B.A., Gustavus Adolphus College
M.S., University of Minnesota
Ph.D., University of Minnesota

Bell, Suzanne (1978)
Lecturer, Chemistry
B.S., University of Richmond
M.A.T., Duke University

Boshart, Jeffrey G. (1983)
Assistant Professor, Art
B.A., Montana State University
M.F.A., University of Massachusetts

Braye, Stephen E. (1987)
Instructor, English
B.S., University of Nebraska at Lincoln
M.A., University of Nebraska at Lincoln

Chowdhury, Risana T. (1986)
Visiting Instructor, Mathematics
B.A., Scripps College
M.S.E., Johns Hopkins University

Collins, Michael (1975)
Assistant Professor, Sociology
B.S., Loyola University
M.A., University of Notre Dame

Fogle, Jill M. (1986)
Associate Lecturer, Physical Education/Athletics
B.S., University of Wisconsin-LaCrosse

Garton, Jane D. (1987)
Associate Lecturer, Communication Arts
B.A., University of Dayton

Gazzola, Angelo C., Jr. (1981)
Associate Professor, Business
B.S., University of Wisconsin-Green Bay
M.S., University of Wisconsin-Oshkosh

Guither, William D. (1966)
Professor, Chemistry
B.A., North Central College
M.S., University of New Mexico
Ph.D., University of New Mexico

Hauxhurst, James D. (1976)
Associate Professor, Biological Sciences
B.A., University of California
M.A., University of California
Ph.D., University of California-San Diego

Hayes, Patrick J. (1976)
Associate Professor, Business
B.B.A., Eastern New Mexico University
M.B.A., Eastern New Mexico University

Helgeland, Catherine H. (1977)
Instructor, Geography
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Hintz, Anne M. (1984)
Assistant Professor, Spanish
B.A., College of Mount St. Vincent
Ph.D., Yale University

Hollenberg, Patricia D. (1984)
Lecturer, English
B.A., Wittenberg College
M.A., University of Maine at Orono

Hrubesky, Donald W. (1965)
Professor, English
B.A., St. Norbert College
Ph.D., Kansas State University

Jordahl, David L. (1981)
Assistant Professor, Music
B.M., Gustavus Adolphus College
M.A., University of Iowa

Keepers, Jerry K. (1969)
Assistant Professor, Mathematics
B.S., University of Wisconsin-Oshkosh
M.S., Brown University
M.S., University of Wisconsin-Milwaukee

Livingstone, E. Biganess (1976)
Associate Professor, Art
B.A., Massachusetts College of Art
M.A., Newton College
M.F.A., University of Wisconsin-Madison

Mason, Carol A. (1971)
Professor, Anthropology
B.A., Florida State University
M.A., University of Michigan
Ph.D., University of Michigan

McLaren, Theda B. (1977)
Assistant Professor, Communication Arts
B.A., Beloit College
M.A., University of Montana

Minock, Michael E. (1971)
Professor, Biological Sciences
A.B., Stanford University
M.A., California State-Northridge
M.S., University of Nebraska at Omaha
Ph.D., Utah State University

Nockerts, Ann E. (1987)
Lecturer, Computer Science
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Nyman, Terry A. (1976)
Associate Professor, Mathematics
B.A., Western Michigan University
M.A., University of Massachusetts
Ph.D., University of Massachusetts

O'Brien, Michael J. (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
M.A., Western Kentucky University
M.A., Carleton College
Ph.D., Carleton College

Putman, Daniel A. (1974)
Associate Professor, Philosophy
B.A., Marquette University
M.A., University of Wisconsin-Madison
Ph.D., University of Southern California

Sharma, Virendra N. (1969)
Professor, Physics
B.S., Agra University, India
M.S., Agra University, India
Ph.D., Colorado State University

Spencer, Michael A. (1971)
Associate Professor, Physical Education/Athletics
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

Stanley, Linda F. (1972)
Lecturer, English
B.A., University of Colorado
M.A., University of Colorado

Svejda, John F. (1987)
Associate Lecturer, Communication Arts
B.S., Mankato State College
M.A., Mankato State College

Tiptanatoranin, Manat (1983)
Assistant Professor, Chemistry
B.S., Chiang Mai University, Thailand
Ph.D., University of Alberta, Edmonton, Alberta, Canada

Ullmer, James H. (1984)
Lecturer, Business/Economics
B.A., University of Wisconsin-Green Bay
M.E.A.S., University of Wisconsin-Green Bay

Varma, Badri N. (1983)
Associate Professor, Mathematics
B.S., Aligarh Muslim University, India
M.S., Aligarh Muslim University, India
Ph.D., Simon Fraser University, B.C. Canada

Wallingford, Susan C. (1975)
Lecturer, Mathematics
B.S., University of Wisconsin-Oshkosh

Warrick, Patricia D. (1966)
Professor, English
B.S., Indiana University
B.A., Goshen College
M.A., Purdue University
Ph.D., University of Wisconsin-Milwaukee

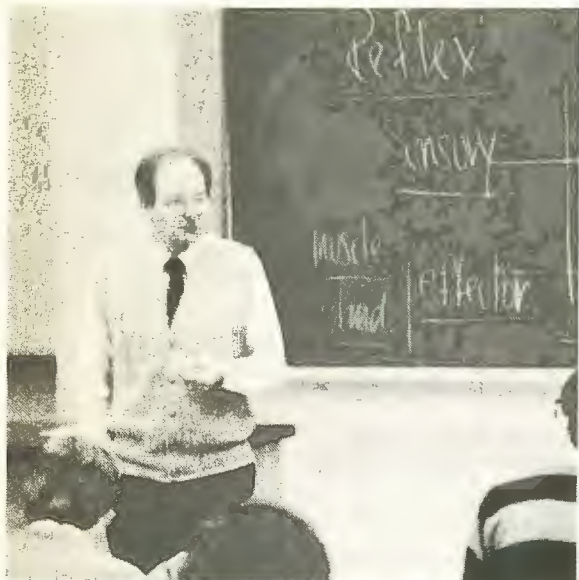
Watt, Jerald A. (1981)
Associate Professor, Engineering
B.S., Michigan Technological University
M.S., University of Southern California
Ph.D., Michigan Technological University

Welch, Mary J. (1987)
Lecturer, English
B.S., University of Wisconsin-Oshkosh
M.A., Bowling Green State University

White, V. Alan (1981)
Associate Professor, Philosophy
A.B., Northwest Nazarene College
M.A., University of Tennessee
Ph.D., University of Tennessee

White, Larry D. (1969)
Associate Professor, Political Science
B.S., Kansas State College
M.S., Kansas State College
D.A., Idaho State University

Zimmerman, Lynda D. (1974)
Assistant Professor, Music
B.M.E., University of Wisconsin-Eau Claire
M.M., East Texas State University



Roland A. Baldwin, Dean
Michael A. Herrity, Student Services Director

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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 bounded by Lake Michigan on the east and a 78-acre wooded park on the south.

Student body

In fall 1987, 498 students were enrolled, 214 men and 284 women. Both full-time and part-time students are enrolled. Student age varies and 31 percent are over age 24.

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 gives the campus a physical education facility, computer lab, geography/geology lab, music rehearsal rooms, child care service, classrooms and faculty offices. The grounds include a soccer field and weather station.

Special programs

Academic: Evening associate degree program, remedial mathematics, student tutoring service and on-campus business outreach program with UW-Green Bay.

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, outdoors club and intramural and varsity sports.

Community interest programs: Continuing Education courses, campus/community band and theater, jazz band, art gallery, lecture and fine arts series, choral group and a speakers bureau.

**UWC-Manitowoc County
Administration and support services**

- Baldwin, Roland A. (1970)**
Campus Dean
B.A., Brigham Young University
M.A., Brigham Young University
Ph.D., University of Wisconsin-Madison
- Bjerke, R.A. (1973)**
Director, Library
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
M.A., University of Minnesota
Ph.D., University of Wisconsin-Madison
- Herrity, Michael A. (1987)**
Director, Student Services
B.S., University of Iowa
M.A., University of Northern Iowa
- Pawlitze, Mary M. (1981)**
Outreach Program Manager, Continuing Education
B.A., University of Iowa
- Peters, Bruce (1980)**
Business Manager
B.S., University of Wisconsin-Stevens Point
- Pfeffer, Jane E. (1982)**
Administrative Program Manager
Public Information
B.A., Regis College
- Skubal, Susanne (1976)**
Sr. Program Manager, Student Services
B.A., University of Wisconsin-Milwaukee

Faculty and lecturers

- Abosedra, Salaheddin S. (1987)**
Assistant Professor, Economics
B.A., University of Garyounis
M.A., University of Florida
M.A., University of Colorado
Ph.D., University of Colorado
- Arendt, Michael J. (1971)**
Associate Professor, Music
B.M., St. Norbert College
M.M., Wichita State University
- Bailey, Kenneth M. (1972)**
Adjunction Professor, Communication Arts
B.B.A., Case Western Reserve University
M.A., Case Western Reserve University
Ph.D., University of Iowa
- 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
- Bernstein, Robert E. (1983)**
Instructor, Mathematics
B.A. University of New York
M.S. Radford University
- Corrado, Lawrence C. (1969)**
Associate Professor, Physics/Engineering/Computer Science
B.S., DePaul University
M.S., Arizona State University, Tempe
Ph.D., Arizona State University, Tempe
- Demmon, William E. (1970)**
Assistant Professor, Mathematics
B.S., South Dakota School of Mines
M.S., South Dakota School of Mines
- 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)**
Associate Professor, Political Science
A.B., Syracuse University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison
- Gilmore, William D. (1986)**
Lecturer, Anthropology
B.A., Northeastern Illinois University
M.A., University of Wisconsin-Madison
- Graetz, Kenneth R. (1974)**
Associate Professor, Art
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
M.F.A., University of Wisconsin-Milwaukee
- Gratz, David K. (1976)**
Associate Professor, English
B.A., Wesleyan University
M.A., Syracuse University
Ph.D., Syracuse University
- Hart, Charles (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)**
Instructor, Geography/Geology
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
- Knauf, Kenneth (1985)**
Assistant Professor, Business
B.B.A., UW-Madison
M.M.S., University of Arkansas
- Kuznacik, Carol J. (1984)**
Lecturer, Foreign Languages
A.A., University of Wisconsin Center-Sheboygan
B.A., University of Wisconsin-Green Bay
M.A., Pennsylvania State University

Nibbelink, Herman W. (1972)

Professor, English
A.A., Dordt College
B.A., Calvin College
M.A., University of Iowa

Purchatzke, Leroy A. (1967)

Associate Professor, Chemistry
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Madison

Schuh, Martha (1982)

Assistant Professor, Mathematics, Computer Science
A.B., Oberlin College
M.A., University of Illinois

Semmes, David H. (1966)

Associate Professor, Communication Arts
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Singh, Bhagat (1970)

Professor, Mathematics, Computer Science
B.S., Agra University, India
M.S., Agra University, India
M.S., University of Illinois
Ph.D., University of Illinois

Sontag, Charles R. (1967)

Professor, Biological Sciences
B.S., Carroll College
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Swanson, Helen A. (1985)

Assistant Professor, Psychology
B.A., Youngstown State University
M.S., Ohio University
Ph.D., Ohio University

Trask, Kerry A. (1972)

Associate Professor, History
B.A., Hamline University
M.A., University of Minnesota
Ph.D., University of Minnesota

Van Der Vaart, Richard L. (1977)

Associate Professor, Physical Education
B.S., University of Wisconsin-LaCrosse
M.A., Western Michigan University

White, V. Alan (1981)

Associate Professor, Philosophy
A.B., Northwest Nazarene College
M.A., University of Tennessee
Ph.D., University of Tennessee



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Jordan Nash, Student Services Director

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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 1987, 1,163 students were enrolled, 494 men and 669 women. There is a mix of full-time and part-time students. Student age varies, 26 percent of the student body is over age 24. The Center draws most of its students from Marathon, Lincoln, Shawano, Langlade and Clark 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 field-house with racketball court, weight room, swimming-pool and gymnasium; and a classroom-office complex with fine arts room, library, student center, bookstore, planetarium, greenhouse and cafeteria.

Special programs

Academic: Honors program for academic achievers and Learning Resource Center consisting of a traditional library plus audio visual and computer facilities.

Scholarships: Annually, over \$65,000 worth of scholarships are awarded on the basis of academic achievement.

Extracurricular: Lecture and Fine Arts Series, inter-collegiate and intramural sports, show choir, jazz ensemble, concert band, concert choir, Student Government Association (SGA), Ambassador Program and a variety of clubs and special-interest organizations.

Community interest programs: A wide range of personal enrichment and professional advancement classes; "College of the Emeriti," a new dimension in learning for senior citizens; "College for Kids," a summer enrichment and exploration experience for youth; and international study/tours.

UWC-Marathon County Administration and support services

Newtown, George A. (1987)
Campus Dean
B.A., University of Arkansas
M.Ph., Yale University
Ph.D., Yale University

Deffner, Cynthia S. (1983)
Program Manager, Student Services
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

Kasten, Patricia M. (1984)
Specialist Advisor
Student Services
B.S., University of Wisconsin-Stevens Point

Keeffe, Kevin G. (1986)
Specialist, Student Services
A.A., Gateway Technical Institute
B.S., University of Wisconsin-Madison

Koch, James (1970)
Business Manager
B.A., University of Wisconsin
M.B.A., University of Wisconsin-Madison

Nash, Jordan C. (1970)
Director, Student Services
B.S., University of Wisconsin-Platteville
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Rausch, Jean L. (1985)
Specialist, Developmental Skills
B.S., University of Wisconsin-Oshkosh
M.A., University of Wisconsin-Madison

Rhoades, Katherine A. (1982)
Outreach Program Manager, Continuing Education
Administrative Program Manager, Public Information
B.S.N., University of Nebraska
M.Ed., University of Wisconsin-Stevens Point

Runkel, John H. (1984)
Sr. Program Manager, Student Services
B.A., Lawrence University

Schey, Mary E. (1986)
Developmental Skills Specialist, Interdepartmental
Instruction
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Strebig, Judy (1972)
Director, Library
B.A., Eastern Michigan University
M.A., Western Michigan University

Younger, Judith (1981)
Recreation Specialist, Athletics
B.S., Mankato State College
M.A., Mankato State College

Faculty and lecturers

Barrington, Byron L. (1960)
Professor, Psychology
B.S., University of Wisconsin-Madison
M.S., University of Chicago
Ph.D., University of Chicago

Berger, Thomas J. (1982)
Associate Lecturer, Communication Arts
B.A., University of Wisconsin-Eau Claire
M.S., Northwestern University

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)
Assistant Professor, Philosophy
B.A., Baker University
B.S.E., University of Kansas
M.A., University of Kansas
M.P., University of Kansas
Ph.D., University of Kansas

Burger, Angela S. (1965)
Professor, Political Science
B.A., Furman University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Capista, Christine M. (1981)
Lecturer, Mathematics
B.S., University of Wisconsin-Stevens Point

Case, Joel C. (1982)
Assistant Professor, Chemistry
B.Chem., University of Minnesota
Ph.D., Kansas State University

Chevalier, Joseph E. (1966)
Associate Professor, French
B.A., Southern University
M.A., University of Wisconsin-Madison

Crabtree, Koby T. (1966)
Professor, Biological Sciences
B.S., Ohio Wesleyan University
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Dahle, Richard W. (1963)
Associate Professor, Art
B.M., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Day, William F. (1981)
Assistant Professor, Music
B.M., University of Dubuque
M.A., University of Iowa

Estermann, Joseph J. (1985)
Lecturer, Mathematics
B.S., University of Lowell, Maine

- Fitzgerald, John A. (1963)**
Associate Professor, Mathematics
B.M., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
- Fleming, Thomas M. (1978)**
Assistant Professor, Art
B.F.A., Pennsylvania State University
M.F.A., University of Minnesota
- Flora, Floyd A. (1984)**
Associate Recreation Specialist, Athletics
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-LaCrosse
- Force, James M. (1966)**
Associate Lecturer, Communication Arts
A.B., Depauw University
M.S., University of Wisconsin-Madison
- Forde, John M. (1967)**
Associate Professor, Anthropology
B.S., Lawrence University
M.S., University of Oregon
- Free Jr., Marvin D. (1985)**
Assistant Professor, Sociology
B.B.A., Baylor University
M.B.A., Baylor University
M.A., Baylor University
Ph.D., University of Denver
- Gillett, Philip W. (1953)**
Professor, Mathematics
Ph.B., University of Wisconsin-Madison
M.S., 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 D. (1963)**
Assistant Professor, History
B.A., St. Olaf College
M.A., University of Wisconsin-Madison
- Grittner, Paul E. (1987)**
Associate Lecturer, Business
B.B.A., University of Wisconsin-Whitewater
M.S., University of Wisconsin-Madison
- Hall, Ray D. (1981)**
Associate Lecturer, Mathematics
B.S., University of Wisconsin-Oshkosh
M.S.T., University of Wisconsin-Oshkosh
- Hendricks, Bryan L. (1973)**
Associate Professor, Psychology
B.A., Kearney State College
M.A., University of Illinois
Ph.D., University of Illinois
- Hermanson, Donald A. (1987)**
Associate Lecturer, Political Science
B.A., Wittenberg College
M.A., Northwestern University
J.D., University of Wisconsin-Madison
- Hessert, Nancy A. (1975)**
Associate Professor, Spanish
B.S., Northwestern University
M.A., University of Wisconsin-Madison
- Hetfeld, Roland E. (1961)**
Associate Lecturer, Biological Sciences
B.S., University of Wisconsin-Superior
M.S., 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
- Hosler, M. Bellamy (1972)**
Associate Professor, Music
B.A., Oberlin College
B.M., Oberlin College
M.F.A., Carnegie-Mellon University
Ph.D., University of Wisconsin-Madison
- Karkar, Yaqub N. (1966)**
Professor, Economics
A.B., University of California-Berkeley
M.A., University of California-Berkeley
Ph.D., University of Indiana
- Kast, David H. (1987)**
Assistant Professor, Mathematics
A.B., University of California
T.C., California State University-Los Angeles
M.A., Fordham University
- Kelly, John W. (1963)**
Associate Professor, Chemistry
B.S., Bethany Nazarene College
M.S., University of Mississippi
- 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)**
Visiting Associate Professor, Mathematics
B.S.C., University of Ceylon
Ph.D., University of Cambridge-England
- Marvel, Marvin K. (1987)**
Assistant Professor, Psychology
B.A., University of Northern Colorado
M.A., San Francisco State University
Ph.D., Utah State University

- McBee, Keith L. (1983)**
Assistant Professor, Business
B.S., University of West Virginia
M.A., University of West Virginia
- Mergendahl, Roger P. (1959)**
Professor, English
B.A., Bowdoin University
M.A., Boston University
- Milani, Hamid (1982)**
Assistant Professor
Business/Economics, Mathematics
B.A., Tehran University
M.A., Western Illinois University
Ph.D., University of Wisconsin-Milwaukee
- Musolf, Gene E. (1958)**
Associate Professor, Geography/Geology
B.S., University of Wisconsin-Eau Claire
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison
- Nigam, Subhash (1986)**
Visiting Assistant Professor, Computer Science
B.C., University of Delhi, India
M.S., Jackson State College
- 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-LaCrosse
M.S., University of Wisconsin-Madison
- Osykowski, Edward T. (1971)**
Associate Professor, Physics, Mathematics
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
- Podrasky, Joseph S. (1969)**
Assistant Professor, English
A.B., St. Louis University
M.A., St. Louis University
Ph.L., St. Louis University
A.B.D., Indiana University
- Quinn, Robert S. (1963)**
Associate Professor, Communication Arts
B.F.A., Goodman School of Drama
M.F.A., Goodman School of Drama
Ph.D., University of Wisconsin-Madison
- Salli, Arne J. (1965)**
Associate Professor, Biological Sciences
B.S., University of Wisconsin-Superior
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison
- Schmitz, William R. (1959)**
Professor, Biological Sciences
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison
- Schumann, David L. (1984)**
Assistant Professor, Mathematics, Computer Science
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
- Skinner, Walter E. (1981)**
Lecturer, Business
B.S., Lawrence Institute of Technology
M.B.A., University of Detroit
- Stavros, Thomas G. (1980)**
Associate Lecturer, Chemistry
B.A., University of Minnesota
Ph.D., University of Minnesota
- Stremiau, Duane L. (1967)**
Associate Professor, Physical Education/Athletics
B.S., University of Wisconsin-Madison
M.S., University of Colorado
Ph.D., University of Wisconsin-Madison
- Ware, Linda L. (1964)**
Associate Professor, English
B.A., Ohio Wesleyan University
M.S., University of Wisconsin-Madison
- Welton, Russell D. (1961)**
Associate Professor, Physics
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
- Whitney, John D. (1969)**
Professor, English
B.A., University of Michigan
M.A., University of Michigan
- Williams, Arthur E. (1984)**
Lecturer, Communication Arts
B.A., University of Maryland
M.A., University of Maryland
Ph.D., The Ohio State University
- Wood, John B. (1982)**
Associate Professor, Mathematics
B.A., University of Wisconsin-Madison
M.A., University of Minnesota
Ph.D., University of Minnesota
- Younger, Judith (1981)**
Lecturer, Physical Education
B.S., Mankato State College
M.A., Mankato State College



William A. Schmidtke, Dean
Stephen P. Richer, Student Services Director
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University of Wisconsin Center

Marinette County

Location

The 36-acre University of Wisconsin Center-Marquette 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 1987, 427 students were enrolled, 137 men and 290 women. Students attend the campus on a full-time and part-time basis. Student ages varies over a broad range with about 39 percent of the student body being over age 24.

Almost one third of the students are Michigan 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 administration-science building. A second wing contains a student center and classrooms. Art facilities include a 394-seat theater, gallery, visual arts studios and photographic laboratories. The library overlooks the bay. Completing the four-building complex is the Max E. Peterson Field House.

Special programs

Academic: Evening Associate Degree Program, college skills laboratory, off-campus courses, interdisciplinary computer assisted instructional programs and open computer laboratory.

Scholarships: Talentship Grants based on academic potential and leadership sponsored by UW-Marquette Foundation.

Extracurricular: Phi Theta Kappa-national junior college honorary, intramural and varsity sports, returning adult students' club, ski club, newspaper and winter carnival.

Community interest programs: theater on the Bay productions (including summer series), faculty lecture series and cross cultural development activities.

**UWC-Marquette County
Administration and support services**

Schmidtke, William A. (1965)
Campus Dean
B.S., Lawrence University
M.S., University of Wisconsin-Madison

Jones, Jane C. (1987)
Outreach Program Manager,
Continuing Education
B.A., University of Wisconsin-Stevens Point

LaPierre, Carol (1966)
Business Manager

O'Brien, Staci J. (1987)
Administrative Program Manager, Public Information
B.A., University of Minnesota

Richer, Stephen P. (1983)
Director, Student Services
B.S., Northern Michigan University
M.A., Northern Michigan University
M.A., Northern Michigan University

Robins, Roderick R. (1987)
Advisor, Student Affairs
A.A., Nicolet College & Technical Institute
B.S., University of Wisconsin-LaCrosse
M.S., University of Wisconsin-LaCrosse

Scofield, Constance V. (1985)
Director, Library
A.A., Hibbing State Junior College
B.A., University of Minnesota
M.A., University of Wisconsin-Oshkosh

Faculty and lecturers

Bechtold, Karen E. (1984)
Associate Instructional Specialist, Biological Sciences
B.S., Northern Michigan University

Bedrosian, Allen J. (1969)
Professor, Chemistry, Physics
B.S., University of Massachusetts
Ph.D., Rutgers State University

Berry, James E. (1969)
Professor, Business/Economics
B.S., Murray State University
M.S., University of Kentucky
Ph.D., University of Kentucky

Dupler, Jackie (1984)
Associate Lecturer, Spanish
B.A., Indiana University-Purdue

Espenscheid, Lyle L. (1967)
Assistant Professor, Mathematics
B.S., Wheaton College
M.A., University of Northern Iowa

Giebler, David J. (1981)
Assistant 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

Hieser, Rex A. (1978)
Associate Professor, Psychology
B.S., Michigan State University
M.A., University of Iowa
Ph.D., University of Iowa

Johnson, Wendel J. (1969)
Professor, Biological Sciences
B.S., Michigan State University
M.S., Michigan State University
Ph.D., Purdue University

Kessel, David H. (1985)
Assistant Professor
Political Science, Sociology
B.A., Kent State
M.A., Mississippi College
Ph.D., Louisiana State University

Kowalski, Dorothy T. (1983)
Assistant Professor
Physical Education/Athletics
B.S., Ithaca College
M.S., University of Wisconsin-LaCrosse

Krog, Carl E. (1966)
Associate Professor, History, Geography
B.A., University of Chicago
M.A., University of Chicago
Ph.D., University of Wisconsin-Madison

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

Moster, Mark (1985)
Assistant Professor, Business
B.A., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Richards, Charles W. (1969)
Associate Professor, Chemistry, Physics
B.S., University of Wisconsin-Stevens Point
M.S., University of Oklahoma

Williams, Herbert L. (1966)
Associate Professor, Communication Arts, Drama
B.A., Mount Union College
M.A., University of Wisconsin-Madison

Yarbrough, Jane H. (1983)
Assistant Professor, English, Philosophy
B.A., University of Florida
M.A., University of Florida
Ph.D., University of Florida



Nancy J. Aumann, Dean
Herbert Scidmore, Student Services Director

Student Services Office
2000 West 5th Street
Marshfield, WI 54449
(715) 387-1147

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 1987, 578 students were enrolled, 205 men and 373 women. Students attend on both a full-time and part-time basis. The age range of students varies and about 41 percent are over age 24.

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 and golf green and the university arboretum.

Special programs

Academic: Evening Associate Degree Program, Outreach Program courses offered in Wisconsin Rapids 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, drama, student newspaper, Business Club, Chess Club, 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, Central Chamber Chorale, 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**

Aumann, Nancy (1986)

Campus Dean
A.B., Hope College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Allmandinger, Barbara (1982)

Outreach Program Manager, Continuing Education

Bentzler, Geogiane C. (1965)

Director, Library
B.S., University of Wisconsin-Oshkosh
M.A., George Peabody College for Teachers

Blezien, Paul (1980)

Program Manager, Student Services
B.S., University of Wisconsin-Stevens Point
M.A., Ball State University

Hendler, Peter (1968)

Business Manager
B.S., University of Wisconsin-Stevens Point

Neumann, Jerry L. (1973)

Administrative Program Manager, Services Media
A.S., University of Wisconsin Center-
Marshfield/Wood County
A.S., North Central Technical Institute

Scidmore, Herbert (1966)

Director, Student Services
B.S., University of Wisconsin-River Falls
M.S., University of Wisconsin-Madison

Secor, Mary M. (1986)

Recreation Specialist, Athletics
A.S., University of Wisconsin-Fox Valley
B.S., University of Wisconsin-LaCrosse

Sokolowski, Neil (1971)

Sr. Administrative Program Manager
Public Information
B.S., University of Wisconsin-Milwaukee
M.A., Marquette University

Faculty and lecturers

Alexander, James D. (1964)

Professor, English
B.A., Brooklyn College
M.A., Notre Dame University
M.A., University of Minnesota
Ph.D., University of Minnesota

Biederwolf, Robert I. (1967)

Professor, Music
B.M., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Bitner, Thomas E. (1969)

Associate Professor, Geography/Geology
B.S., University of Wisconsin-Superior
M.A., Indiana State University

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)

Assistant 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

Day, William F. (1981)

Assistant Professor, Music
B.M., University of Dubuque
M.A., University of Iowa

Detwyler, Natalia T. (1987)

Lecturer, Spanish
D.I., Herten State Pedagogical Institute (U.S.S.R.)

Forde, John M. (1967)

Associate Professor, Anthropology
B.S., Lawrence University
M.S., University of Oregon

Frazer, Georgette (1979)

Assistant Professor, Business
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, Biology
B.S., University of Massachusetts
M.Ed., University of Massachusetts

-
- Harrington, John (1968)**
Associate Professor, Physical Education/Athletics
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
- Kleiman, Jeffrey D. (1988)**
Assistant Professor, History
B.A., Lindenwood College
B.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)**
Associate Professor, Communication Arts
B.A., Mankato State College
M.A., Mankato State College
- Secor, Mary M. (1986)**
Associate Lecturer, Physical Education
A.S., University of Wisconsin-Fox Valley
B.S., University of Wisconsin-LaCrosse
- 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)**
Lecturer, English, Communication Arts
B.S., University of Wisconsin-Milwaukee
M.A., Marquette University
- Starrett, Raymond H. (1976)**
Associate Professor, Psychology
B.A., California State University-San Bernardino
M.A., The Ohio State University
Ph.D., The Ohio State University
- Stewart, Betty B. (1985)**
Assistant Professor, Mathematics, Computer Science
B.A., Robert Wessleyan College
M.Ed., California University of Pennsylvania
- Waddell, Eloise O. (1981)**
Lecturer, Biology
B.S., University of Wake Forest
M.S., University of Wisconsin-Oshkosh



Thomas R. Oates, Dean
 John Poole, Student Services Director
 Student Services Office
 Highway 14 West
 Richland Center, Wisconsin 53581
 (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 LaCrosse and Madison, on U.S. Highway 14.

Student body

In fall 1987, 296 students were enrolled, 137 men and 159 women. There is a mix of full-time and part-time students. There also is a mix of ages in the student body, with more than 24 percent of the students over age 24.

The campus has an increasingly diverse student body including students from southwest Wisconsin, the Midwest and foreign countries as well.

Facilities

The 135-acre campus has six main buildings including the Miller Memorial Library, Wallace Student Center, General Classroom Building, Science Building, the Roadrunner Gymnasium and the Administration Building. Also located on campus is the John & Edith Symons Recreation Complex which houses a swimming pool, whirlpool, 2 racquetball courts and a multi-purpose room.

Student housing is located directly adjacent to the campus. Two apartment buildings, Edith Rice Symons Hall and Campus view Apartments, can accommodate many students.

Outdoor facilities include an athletic field, 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 Central American Scholarship Program.

Scholarships: Over 70 scholarships ranging from \$200-\$1000 are available through the Richland Campus Foundation Scholarship Program.

Extracurricular: Varsity intramural and intercollegiate sports, cross country ski course, newspaper, Campus Christian Fellowship, vocal and instrumental music groups, an active campus/community theater program, Burlap Olympics and Springfest.

Community interest programs: Continuing Education Office courses for all ages, campus-community theater, lecture series and fine art programs.

**UWC-Richland
Administration and support services**

Oates, Thomas R. (1985)
Campus Dean
B.A., St. Louis University
M.A., St. Louis University
Ph.D., St. Louis University

Gentes, Linda (1986)
Outreach Program Manager, Continuing Education
B.S., University of Illinois

Goeden, Ann M. (1987)
Specialist, Student Services
B.S., University of Wisconsin-Stevens Point
M.A., School for International Training, Brattleboro, Vermont

Gollata, James A. (1987)
Director, Library
B.S., University of Wisconsin-Oshkosh
M.A., University of Wisconsin-Oshkosh

Jaworek, John F. (1986)
Advisor
B.A., Roosevelt University

Krueger, Tracy L. (1983)
Specialist, Student Services, Athletics
B.S., University of Wisconsin-Superior

Poole, John D. (1971)
Director, Student Services,
Sr. Administrative Program Manager
Public Information
B.S., University of Wisconsin-Platteville

Swanson, Kathleen J. (1987)
Associate Instructional Specialist
B.A., Illinois Wesleyan University
M.A., University of Illinois

Thompson, Dorothy D. (1985)
Associate Administrative Specialist, Public Information
A.A., University of Wisconsin Center-Richland Center
B.A., University of Wisconsin-Green Bay

Warpinski, Kathleen S. (1987)
Associate Specialist, Student Services
B.A., University of Wisconsin-Madison
M.A., University of Connecticut

Wentz, Barbara J. (1969)
Business Manager
A.S., University of Wisconsin Center-Richland

Faculty and academic staff

Aagaard, James K. (1976)
Assistant Professor, Music
A.A., Waldorf College
B.A., St. Olaf College
M.A., University of Northern Iowa

Albrecht, John F. (1975)
Assistant Professor, Chemistry
B.S., Arkansas State College
B.D., Austin Presbyterian Theological Seminary
M.S., Tulane University

Birkett, Margaret J. (1969)
Associate Professor, English, Communication Arts
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Blackmore, Floyd H. (1969)
Associate Professor, Biological Sciences
B.S., University of Illinois-Urbana
Ph.D., University of Illinois-Urbana

Bower, Jerry L. (1967)
Associate Professor, History, Political Science
B.S., University of Wisconsin-Stevens Point
M.A., Michigan State University
Ph.D., Michigan State University

Bugaj, Albert M. (1984)
Assistant Professor, Psychology
B.S., Wheeling College
M.S., Purdue University
Ph.D., Purdue University

Calnin, Richard (1983)
Lecturer, Spanish
B.A., St. Francis Seminary
B.A., National University of Mexico
M.A., University of Wisconsin-Madison

Cavanaugh, Clifton C. (1979)
Associate Professor, Physics, Computer Science
B.S., Morningside College
M.S., The Ohio State University

Deckert, Garrett A. (1967)
Associate Professor, Geography/Geology, Physics
B.S., University of Wisconsin-LaCrosse
M.A.T., Indiana University

Fellows, Patricia J. (1980)
Associate Professor, Physical Education/Athletics
B.S., Michigan State University
M.S., Purdue University

Goering, Steven L. (1986)
Lecturer, Computer Science
B.A., Bethel College

Hall, William W. (1968)
Assistant Professor, Mathematics
B.S., U.S. Military Academy-West Point
M.A., University of Illinois
M.S., University of Illinois

Haney, Emil B. (1979)

Associate Professor, Business/Economics
B.S., The Ohio State University
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Haney, Wava G. (1980)

Associate 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

Kavaloski, Vincent C. (1981)

Lecturer, Philosophy
B.A., College of St. Thomas
Ph.D., University of Chicago

Logan, Benjamin T. (1987)

Lecturer, English
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Penkoff, Ronald Peter (1967)

Professor, Art
B.F.A., Bowling Green State University
M.A., The Ohio State University

Sriskandarajah, Jeganathan (1985)

Assistant Professor, Mathematics
B.S., Ceylon University
M.S., Ceylon University

Stadler, Ronald L. (1987)

Associate Lecturer, Engineering, Mathematics
B.S., University of Wisconsin-Madison

Tredinnick, Donald F. (1982)

Associate Lecturer, Business/Economics
B.B.A., University of Wisconsin-Madison

Voelker, Paul D. (1972)

Professor, English
B.S., Purdue University
M.A., Purdue University
Ph.D., University of Wisconsin-Madison



Thomas W. Waltermann, Dean
Terry Borg, Student Services Director

Student Services Office
2909 Kellogg Avenue
Janesville, WI 53545
(608) 755-2823

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 1987, 940 students enrolled, 416 men and 524 women. There is a mix of full-time and part-time students with approximately 37 percent of the students over age 24.

Facilities

The 50-acre commuter campus includes Smith Hall, which houses the administration offices, cafeteria and student center; Andrews Hall, a large classroom building housing the science laboratories and the 65,000 volume library; and the Cultural Center, with a 350-seat theater, a gymnasium, and the art, music and drama departments.

Special programs

Academic: Daytime and evening Associate Degree Program, Skills Development Center including tutoring, college orientation workshop for pre-college students or interested adults, 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, jazz ensemble, and band mixed chorus.

Community interest programs: Lecture & Fine Arts programming, film series, community band, theater events, Career Center, Business Assistance Center, videoconferencing, College for Kids, and courses offered through the Continuing Education Office.

UWC-Rock County
Administration and support services

Walterman, Thomas W. (1973)
Campus Dean
B.A., Augustana College
M.A., University of Iowa
A.M., Washington University
Ph.D., Washington University

Borg, Terry E. (1988)
Director, Student Services
B.A., Michigan State University
M.A., University of Sussex

Brandeen, Carolyn R. (1984)
Outreach Program Manager, Liberal Studies

Buchen, David A. (1979)
Administrative Program Manager
Media Services
B.A., University of Wisconsin-Whitewater
M.E., University of Wisconsin-Whitewater

Eastin, Christine L. (1985)
Advisor, Minority Disadvantaged
B.A., University of Minnesota
M.S., University of Wisconsin-Milwaukee

Gall, Elizabeth A. (1977)
Associate Administrative Specialist
Continuing Education
B.S., University of Wisconsin-Oshkosh

Heiber, Debra A. (1981)
Program Manager, Student Services
B.A., Creighton University
M.A., Marquette University

Horn, Robert M. (1967)
Program Manager, Student Services
B.S., University of Wisconsin-Madison
M.S., Pennsylvania State University

Krizan, Donald L. (1983)
Developmental Skills Specialist
Minority Disadvantaged Program
B.S., South Dakota School of Mines & Technology
B.A., California State University
M.S., Purdue University

Lenox, Gary J. (1966)
Director, Library
B.A., University of Minnesota
M.A., University of Wisconsin-Madison

Maloney, Maryann J. (1981)
Developmental Skills Specialist
Minority Disadvantaged
B.A., Northern Michigan University
M.A., Northern Michigan University

Pillard, Diane S. (1984)
Administrative Program Manager, Public Information
B.S., University of Wisconsin-Whitewater

Rasch, Delores (1987)
Advisor, Minority Disadvantaged

Smith, Gregory L. (1984)
Instructional Program Manager, Minority Disadvantaged
B.A., University of Wisconsin-Eau Claire
M.A., Arizona State University

Sobota, Thomas C. (1987)
Administrative Specialist, Fine Arts
B.A., University of Wisconsin-Eau Claire

Sopher, Marti (1987)
Business Manager
M.S., Cardinal Stritch College
B.S., University of Wisconsin-LaCrosse

Faculty and lecturers

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)
Assistant 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-Urbana
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

Craft, David L. (1985)
Assistant Professor, Mathematics
B.S., Illinois College
M.A., Miami University

Fiorina, Frank J. (1967)
Associate Professor, French
B.S., Southern Illinois University
M.A., University of Wisconsin-Madison

Forman, Linda (1985)
Lecturer, Anthropology
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Gibson, Jeffrey G. (1986)
Associate Lecturer, Computer Science
B.S., University of Wisconsin-Madison
M.S., 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

Goding, Stephen A. (1974)
Associate Lecturer, Chemistry
B.S., 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

Heiber, Debra A. (1981)
Associate Lecturer, English
B.A., Creighton University
M.A., Marquette 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

Jalali-Naini, Ahmad R. (1987)
Visiting Assistant Professor, Economics
B.A., University of San Francisco
M.A., University of Southern California
M.P.A., New York University
Ph.D., United Kingdom of Great Britain

Kinnaman, Theodore D. (1966)
Professor, Music
B.M., Northwestern University
M.M., Northwestern University

Krizan, Donald L. (1983)
Associate Lecturer, Engineering
B.S., South Dakota School of Mines & Technology
B.A., California State University
M.S., Purdue University

Labrie, Janet (1988)
Lecturer, English
B.A., University of Wisconsin-Whitewater
M.A., University of Wisconsin-Madison

Lampe, Gregory P. (1983)
Instructor, Communication Arts
B.S., Slippery Rock State College
M.A., Northern Illinois University

Liss, Frederick M. (1970)
Associate Professor, Mathematics, Computer Science
B.A., University of Notre Dame
M.A., University of Wisconsin-Madison

Luebke, Steven R. (1988)
Associate Lecturer, English
B.A., St. Norbert College
M.A., University of Wisconsin-Madison

Luthar, Rajindar S. (1967)
Assistant Professor, Mathematics
B.A., Murray College, Pakistan
M.A., University of Illinois-Urbana

Lux, Daniel F. (1987)
Assistant Professor, Business
B.S., Arizona State University
M.S., University of Missouri
M.B.A., Arizona State University

Mingorance, Margarita (1988)
Assistant Professor, Spanish
Ph.D., University of Wisconsin-Madison

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

Pierson, Richard D. (1988)
Lecturer, Mathematics
B.S., University of Wisconsin-Whitewater
M.S., Purdue University

Pinto, Francis T. (1986)
Associate Lecturer, Business
B.C., University of Madras, India
M.S., University of Wisconsin-Whitewater

Reinhart, Linda C. (1982)
Associate Professor, Psychology
B.A., College of St. Catherine
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Rust, Charles C. (1968)
Professor, Biological Sciences
B.S., University of Wisconsin-Whitewater
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Schlaes, Harold E. (1972)
Associate Professor, Mathematics, Computer Science
B.S., University of Wisconsin-Oshkosh
M.A., Arizona State University
Ph.D., Arizona State University

Scott, Everett D. (1969)
Associate Professor, Art
B.F.A., University of Utah
M.A., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison

Stabb, Martin A. (1962)
Assistant Professor, Chemistry
B.S., Beloit College
M.S., University of California-Berkeley

Storch, Robert D. (1969)
Professor, History
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Weinberg, Mark S. (1983)
Assistant Professor, Communication Arts
B.A., Wilkes College
M.A., State University of New York
M.F.A., University of Minnesota
Ph.D., University of Minnesota

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)
Associate Professor, Art
B.F.A., St. Mary of the Woods College
M.S., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison

Wolff, John B. (1987)
Lecturer, English
B.A., University of Cincinnati
M.A., University of Colorado

Woodard, Helen H. (1986)
Associate Lecturer, Geography
B.A., University of Colorado
M.E.P., University of Wisconsin-Whitewater



Barbara P. Losty, Dean
 Betsy L. West, Student Services Director
 Student Services Office
 One University Drive
 Sheboygan, WI 53081
 (414) 459-3733

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 1987, 651 students were enrolled, 322 men and 329 women. Both full-time and part-time students are enrolled. Student age varies and 35 percent are over age 24.

Facilities

The campus includes a main building, learning-resources center, fine arts building with a theater, observatory, and gymnasium. The grounds provide 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 society.

Scholarships: Kenneth M. Bailey Scholarship Program for new older students, UW-Sheboygan County Foundation Talent Grants, UAW-CAP Council Scholarship, George and Jane Cleary Scholarship, E.C. and Constance Garton Memorial Scholarships, UW Alumni Club of Sheboygan Scholarships, UWC Faculty and Staff Scholarship, Carl Sanger Memorial Scholarship, Larry Johnson Memorial Scholarship, and Business Club Scholarships.

Extracurricular: Campus newspaper, intramural and varsity sports, literary magazine, and special interest groups.

Community interest programs: Continuing Education courses and programs, University Players drama productions, wind ensemble and jazz ensemble concerts, Campus Singers and choir appearances and concerts, lecture and fine arts events, classic film series, and Potpourri musical variety show.

UWC-Sheboygan County Administration and support services

Losty, Barbara P. (1985)

Campus Dean

B.A., Wellesley College

M.A., University of Connecticut

Ph.D., University of Connecticut

Borer, Dale E. (1984)

Outreach Program Manager, Continuing Education

B.S., University of Wisconsin-La Crosse

M.S., University of Wisconsin-La Crosse

M.S., University of Wisconsin-La Crosse

Ed.S., University of Wisconsin-Stout

Ph.D., University of Wisconsin-Madison

Martin, Thomas A. (1985)

Program Manager, Student Services

B.A., University of Wisconsin-Madison

M.A., University of Wisconsin-Madison

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, Public Information

B.S., Boston University

M.S., Cardinal Stritch College

West, Betsy L. (1974)

Director, Student Services

B.A., University of Iowa

M.A., University of Iowa

Westfall, Susanne J. (1965)

Director, Library

B.S., University of Wisconsin-Milwaukee

M.L.S., University of Wisconsin-Milwaukee

Faculty and lecturers

Abosedra, Salaheddin S. (1987)

Assistant Professor, Economics

B.A., Libya-University of Goryoumis

M.A., University of Florida

M.A., University of Colorado

Ph.D., University of Colorado

Bailey, Kenneth M. (1972)

Adjunct Professor, Communication Arts

B.B.A., Case Western Reserve University

M.A., Case Western Reserve University

Ph.D., University of Iowa

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

Bogk, Beverley A. (1985)

Assistant Professor, Business

A.S., UW Center-Rock County

B.B.A., University of Wisconsin-Whitewater

M.S., University of Wisconsin-Whitewater

Browne, Bruce C. (1985)

Assistant Professor, Communication Arts

B.A., College of Wooster

M.A.T., College of Wooster

M.F.A., University of Massachusetts (Amherst)

Das, Lovejoy S. (1984)

Assistant Professor, Mathematics

M.S., University of Lucknow, India

M.S., State University of New York-Stony Brook

Ph.D., University of Lucknow, India

Flannery, Richard F. (1978)

Associate 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

Hansell, William H. (1965)

Associate Professor, English

B.A., LaSalle College

M.A., University of Florida

Ph.D., University of Wisconsin-Madison

Heidt, James G. (1967)

Associate Professor, Geography

B.A., University of Wisconsin-Madison

M.S., University of Wisconsin-Madison

Homstad, Alice A. (1975)

Assistant Professor, Spanish

B.A., University of Wisconsin-Whitewater

M.S., University of Wisconsin-Milwaukee

M.A., University of Wisconsin-Milwaukee

Hughes, William E. (1965)

Professor, Music

B.M., University of Wisconsin-Madison

M.S., University of Wisconsin-Madison

Jarosch, Richard M. (1966)

Associate Professor, Chemistry

B.S., University of Wisconsin-Eau Claire

M.S., University of Iowa

Kaepfel, 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)
Associate 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

Millicia, Joseph, Jr. (1976)
Associate 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

Scherff, Barrett P. (1972)
Lecturer, Biological Sciences, Chemistry
B.S., University of Wisconsin-Madison
M.S.T., University of North Dakota

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

Werner, Steven E. (1974)
Assistant Professor, History
B.A., Lawrence University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Wilson, Jane E. (1988)
Instructor, Psychology
B.A., California State University
M.A., University of Southern California

Zemba, James E. (1967)
Professor, Art
B.S., Western Michigan University
M.F.A., Cranbrook Academy of Art



Robert O. Thompson, Dean
Michael E. Murphy, Student Services Director
 Student Services Office
 400 University Drive
 West Bend, WI 53095
 (414) 338-5201

University of Wisconsin Center

Washington County

Location

The University of Wisconsin Center-Washington County is located on 87 glacier-sculpted acres on the southwest side of West Bend.

Student body

In fall 1987, 784 students were enrolled, 347 men and 437 women. Both full-time and part-time students are enrolled. Student ages cover a wide range, with 24 percent of the student body over age 24.

Although the campus draws students from over 30 Kettle Moraine communities; most students commute ten miles or less to campus.

Facilities

The campus includes classrooms, science laboratories and a greenhouse, an observatory, a 296-seat theater, gymnasium and athletic field, ceramic and art studios, music ensemble and practice rooms, a piano lab, a new state-of-the-art 24-unit word-processing laboratory, a photography darkroom, a ski area, food coop, bookstore, student recreational areas and faculty and administrative offices. An adjoining library contains an extensive collection of books, periodicals and records as well as computer terminals and a reading/writing lab.

Special programs

Academic: Evening courses, special topics and lecture series, student support services in peer counseling, and basic skills programs.

Scholarships: Thirty-four students received \$30,850 in scholarships and awards in 1987.

Extracurricular: Varsity and intramural sports, Phi Theta Kappa national junior college honorary society, weekly newspaper, literary magazine, Writers Club, Business Club, International Club, and other special interest groups.

Community interest programs: Continuing Education courses, campus-community performance groups in music and theater, lecture and fine arts events and residencies, film series, noon-on-stage programs, tours and trips, vocal and choral ensembles, jazz groups, Moraine Chorus, and Moraine Symphony Orchestra.

**UWC-Washington County
Administration and support services**

Thompson, Robert O. (1973)

Campus Dean
B.A., Earlham College
B.D., University of Chicago
M.A., University of Chicago
Ph.D., University of Chicago

Anderson, Jack H. (1969)

Outreach Program Manager, Continuing Education
Administrative Program Manager, Public Information
B.A., University of Minnesota
M.D., Garrett Theological Seminary

Bigler, Nancy (1976)

Administrative Program Manager, Library
B.S., Ball State University
M.A., Ball State University

Butschlick, Debbie I. (1985)

Recreation Specialist, Athletics
A.A., University of Wisconsin Center-Washington

Dziedzic, Cathleen A. (1976)

Business Manager
B.S., University of Wisconsin-Eau Claire

Fitz, Thomas R. (1967)

Assistant Professor
Director, Library
A.B., Southwestern College
M.D.V., Drew University
S.T.M., Drew University
M.A., University of Denver

Ford, Janis L. (1984)

Program Manager, Student Services
B.S., University of Wisconsin-LaCrosse
M.S.E., University of Wisconsin-LaCrosse

Meilemans, Gerald H. (1975)

Recreational Specialist, Athletics
B.A., St. Norbert College
M.S., University of Wisconsin-Madison

Murphy, Michael E. (1983)

Director, Student Services
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Oshkosh

Faculty and lecturers

Asch, Albert J. (1968)

Professor, Music
B.M., University of Kentucky
M.A., University of Kentucky

Asch, Anna J. (1968)

Associate Lecturer, Music
B.M., University of Kentucky

Ayer, Peter F. (1969)

Professor, Music
B.A., Beloit College
M.A., University of Kentucky

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)

Associate 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)

Assistant Professor, English
B.A., University of Vermont
M.A., Northeastern University
Ph.D., University of Nebraska

Cahill, Michael E. (1974)

Assistant Professor, Physics
B.S., Manhattan College
M.S., University of Illinois
Ph.D., University of Illinois

Cahill, Rotraut C. (1974)

Associate Professor, Mathematics, Computer Sciences
B.A., Rutgers State University
M.A., University of Rochester
Ph.D., University of Illinois

Cleek, Margaret M. (1978)

Associate Professor, Psychology
B.A., University of Illinois
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Cleek, Richard K. (1970)

Associate Professor, Geography, Computer Science
B.A., University of Texas
M.A., University of Texas

Coakley, Carol J. (1968)

Instructor, English
B.S., Marquette University
M.A., Marquette University

Devine, Thomas G. (1986)

Assistant Professor, Mathematics
B.A., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

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

Dorn, Darwin G. (1978)
Associate Lecturer, Mathematics
B.S., South Dakota State University
M.S., University of Notre Dame

Ford, Bradford A. (1982)
Assistant Professor, Communication Arts
B.A., Wayne State University
M.F.A., University of Southern Mississippi

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

Grimm, Alan A. (1959)
Associate Professor, Chemistry
B.S., University of Wisconsin-Madison
M.S., Marquette 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

Huehner, David R. (1972)
Associate Professor, History
B.A., University of Illinois
M.A., University of Illinois
Ph.D., University of Illinois

Kemphorne, Dion Q. (1966)
Professor, English
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Kraft, Stanford T. (1986)
Associate Lecturer, Business
B.B.A., University of Wisconsin-Milwaukee
M.B.A., University of Wisconsin-Milwaukee

Krueger, Doreen R. (1980)
Lecturer, German
B.S., University of Wisconsin-Milwaukee
M.A., University of Wisconsin-Milwaukee

Kumlien, Gregg C. (1987)
Lecturer, Art
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
M.F.A., University of Wisconsin-Madison

Lucke, Joyce J. (1987)
Associate Lecturer, Anthropology
B.A., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Matthews, Janet H. (1987)
Associate Lecturer, Psychology

B.S., Alverno College
M.A., Cardinal Stritch College
Ph.D., Marquette University

Melville, Mary A. (1985)
Lecturer, Biological Sciences
B.S., Ripon College
M.S., University of Wisconsin-Milwaukee

Muto, Mark L. (1986)
Lecturer, Engineering
B.S.M., University of Wisconsin-Platteville
M.S.E., University of Wisconsin-Madison

Peterson, Roger D. (1981)
Associate Professor, Mathematics
B.A., Northwestern University
Ph.D., Ohio State University

Prasad, Sarada V. (1984)
Assistant Professor, Business
B.A., University of Madras, India
M.S., University of Wisconsin-Milwaukee

Roth, LuAnn R. (1979)
Lecturer, Mathematics
B.A., Alverno College
M.S., Marquette University

Saad, Sami M. (1972)
Professor, Biological Sciences
B.S., American University of Beirut
M.S., American University of Beirut
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

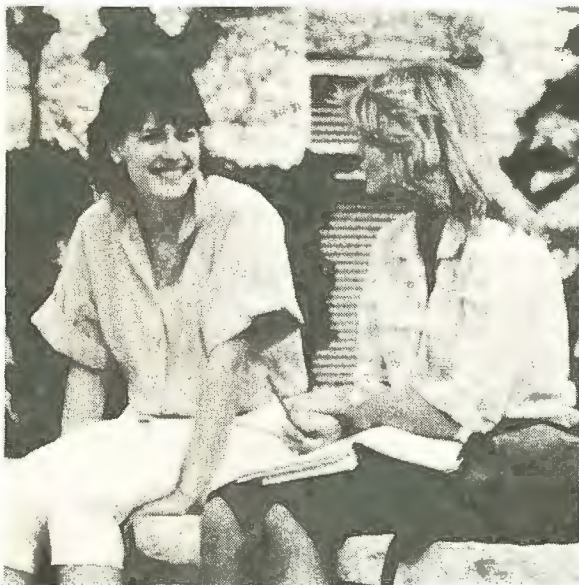
Scherff, Barrett P. (1972)
Lecturer, Chemistry
B.S., University of Wisconsin-Madison
M.S.T., University of North Dakota

Snyder, Susan A. (1987)
Associate Lecturer, Communication Arts
B.A., University of Wisconsin-Madison

Thorn, J. Michael (1986)
Lecturer, History
B.A., Oxford University
M.A., University of South Carolina
M.B.A., University of Missouri
Ph.D., University of Wisconsin-Madison

Wall, G. Roger (1978)
Assistant Professor, Political Science
B.A., Millikin University
M.A., University of Stockholm
Ph.D., University of Stockholm

Waterman, Diane (1985)
Associate Lecturer, Spanish
B.S., University of Wisconsin-Oshkosh
M.A., University of Wisconsin-Milwaukee



Mary S. Knudten, Dean
Paul H. Jones, Student Services Director
 Student Services Office
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University of Wisconsin Center

Waukesha County

Location

Located in the geographic center of Waukesha County, the University of Wisconsin Center-Waukesha County campus covers 86 acres and is one mile south of Interstate 94 at the Hwy T South exit.

Student body

In fall 1987, 2,460 were students enrolled, 1,140 men and 1,320 women. There is a mix of full-time and part-time students. There also is an age mix among the students, with 33 percent of the student body over age 24.

Facilities

The campus was built in 1966 with additions made in 1980 and 1987. Four buildings—the Library, Northview Hall, Administration and the Commons—are linked together for convenience and easy access. The Field House and Southview Hall/Fine Arts Center complete the campus mall. The facilities include classrooms, science laboratories, a computer lab, a greenhouse, a new 337-seat theater and art gallery, a gymnasium and exercise room, athletic field, cafeteria and bookstore. The Center also operates a field station located 10 miles southwest of the campus.

Special programs

Academic: Evening and Saturday classes, Associate Degree Program, Learning Lab, off-campus courses, Honors Program, Evening Engineering Program, Pre-College Hispanic Program, cooperative nursing program with Milwaukee County General School of Nursing, and Community Outreach.

Scholarships: Over 35 scholarships ranging from \$100 to \$1,500 are available through the UW-Waukesha Friends and Alumni Scholarship program. New and continuing students are eligible to apply for scholarships.

Extracurricular: Intramural and varsity sports, special interest clubs, Student Government Legislature, Adult Student Alliance, Fallfest, Winter Carnival and Spring Carnival, radio station, student newspaper and literary magazine.

Community interest programs: Fifty Minutes Lecture Series, Lunch and Learn series, Wilderness University Lecture Series, Foreign Film Series, Madrigal Dinners during Christmas and Easter, Lunt-Fontanne Ensemble (theater), Jazz Ensemble, and Symphonic Band.

UWC-Waukesha County Administration and support services

Knudten, Mary S. (1981)
Campus Dean
A.B., University of Kansas
M.A., Valparaiso University
Ph.D., University of Chicago

Moss, Frederick K. (1966)
Associate Campus Dean
B.A., Olivet College
M.A., Ohio University
Ph.D., University of Wisconsin-Madison

Bracco, Donald (1984)
Associate Professor, Continuing Education
B.S., University of Wisconsin-LaCrosse
M.S.T., University of Wisconsin-LaCrosse

Brown, Janet V. (1977)
Instructional Program Manager, Minority
Disadvantaged Sr Development Skills Specialist,
Interdepartmental Instruction
B.A., Knox College
M.S., Chicago State University
Ph.D., University of Wisconsin-Milwaukee

Buchan, Denise L. (1987)
Administrative Program Manager
Media Services, Library
B.A., University of Northern Iowa
M.A., University of Northern Iowa

Cavanaugh, Jane (1984)
Associate Academic Librarian, Media Services, Library
B.S., University of Wisconsin-Milwaukee
M.L.S., University of Wisconsin-Milwaukee

Connor, Sarah C. (1978)
Sr. Developmental Skills Specialist
Minority Disadvantaged Program
B.S., University of Wisconsin-Stevens Point
M.E.P., University of Wisconsin-Whitewater

Dehnel, William J. (1987)
Business Manager
B.B.A., University of Wisconsin-Madison

Eisenmann, Kurt G. (1981)
Assistant Director, Student Services
B.A., Westmar College
M.S., University of Wisconsin-Madison

Flesia, Faye A. (1969)
Director, Library
B.S., Northland College
M.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Milwaukee

Freiberg, Melissa R. (1982)
Developmental Skills Specialist
Minority Disadvantaged Program
B.S., University of Wisconsin-Eau Claire
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Hanson, Jolene H. (1979)
Sr Developmental Skills Specialist
Minority Disadvantaged Program
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Milwaukee

Jones, Paul H. (1982)
Director, Student Services
B.A., Trinity College
M.A., University of Iowa
Ed.S., University of Iowa

Jozwiak, Robert W. (1969)
Administrative Program Manager
B.A., Marquette University

Kreienbrink, Marjorie A. (1968)
Developmental Skills Specialist
Minority Disadvantaged Program
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Luedtke, Judy (1984)
Program Manager, Student Services
B.A., Carthage College
M.S., University of Wisconsin-Milwaukee

Neill, James (1988)
Advisor, Minority Disadvantaged Program
B.A., Michigan State University
M.A., Michigan State University

Paque, Lynn J. (1971)
Administrative Program Manager, Public Information
B.A., University of Wisconsin-Milwaukee

Wenszell, Dawn M. (1987)
Instructional Specialist, Food Service
B.S., University of Wisconsin-Stevens Point

Wesley, Mary Ellen (1987)
Specialist, Student Services
B.A., University of Wisconsin-Milwaukee

Wilcox, Susan K. (1984)
Program Manager, Student Services
B.A., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Zyvoloski, Barbara H. (1986)
Administrative Program Manager, Public Information
B.A., University of Wisconsin-Milwaukee
M.S., Cardinal Stritch College

Faculty and lecturers

Aiken, Neil E. (1978)
Associate Lecturer, Mathematics
B.S., Milton College
M.S., University of Wisconsin-Milwaukee
Ed.D., Indiana University

Andrews, Susan L. (1968)
Associate 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

Berres, John (1986)
Associate Lecturer, Business
B.B.A., University of Wisconsin-Madison
M.B.A., University of Wisconsin-Madison

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, Prague
B.S., Montana State University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Burgess, Jane K. (1967)
Professor, Sociology
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Illinois-Urbana

Calhoun, Robert F. (1963)
Professor, English
B.A., University of Virginia
M.A., University of Virginia

Cheney, James (1972)
Associate Professor, Philosophy
B.A., University of California-Berkeley
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Clauser, Don (1984)
Associate Lecturer, Anthropology
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Cooley, Kenneth W. (1968)
Associate Professor, Philosophy
B.A., Phillips University
M.A., Wichita State University

Dernehl, Nancy L. (1968)
Associate Professor, Biological Sciences
B.A., University of Wisconsin-Milwaukee
M.A., University of Michigan

Dills, Robert M. (1968)
Assistant Professor, Economics
B.A., State University of Iowa
M.S., University of Wisconsin-Madison

Dolphin, Carol Z. (1978)
Assistant Professor, Communication Arts
B.A., Alverno College
M.A., Marquette University

Essuman, Joe W. (1986)
Assistant 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

Fischer, Carol A. (1976)
Associate Professor, Business
B.B.A., University of Wisconsin-Madison
M.B.A., University of Wisconsin-Madison

Foran, Michele L. (1979)
Assistant Professor, Mathematics
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

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

Freiberg, Melissa R. (1982)
Associate Lecturer, Education
B.S., University of Wisconsin-Eau Claire
M.S., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Goodrum, R. Gordon (1964)
Associate Professor, History
B.A., University of Kansas
M.A., University of Kansas
Ph.D., University of Wisconsin-Madison

Gore, Donald R. (1988)
Associate Lecturer, English
B.A., Luther College
M.A., University of Wisconsin-Milwaukee

Grotz, Leonard C. (1969)
Professor, Chemistry
B.S., Northwestern University
Ph.D., University of California-Berkeley

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

Hansen, Jolene H. (1979)
Associate Lecturer, English
B.S., University of Wisconsin-Madison
M.A., University of Wisconsin-Milwaukee

Holbrook, Jane E. (1971)
Associate Professor, Psychology
B.A., University of Santa Clara
M.A., University of Houston
Ph.D., University of Houston

Hundhausen, David F. (1966)
Associate Professor, Communication Arts
B.A., University of Wisconsin-Madison
M.A., University of Iowa

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

Jozwiak, Robert W. (1969)
Lecturer, Communication Arts
B.A., Marquette University

Kasimatis, Margaret D. (1987)
Associate Lecturer, Psychology
B.A., St. Mary's College
M.A., Loyola University of Chicago
Ph.D., Loyola University of Chicago

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)
Assistant Professor, Biological Sciences
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Klingbeil, Jerrold L. (1967)
Assistant Professor, Physical Education/Athletics
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., 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

Kreienbrink, Marjorie A. (1968)
Lecturer, Mathematics
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee

Kritzer, Frances M. (1987)
Lecturer, English
B.A., Columbia College
M.A., Winthrop College

Kromarek, Kent G. (1975)
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
M.A., University of Michigan
Ph.D., University of Wisconsin-Madison

Marking, Geneva J. (1962)
Assistant Professor, English
B.S., University of Wisconsin-LaCrosse
M.A., University of Wisconsin-Madison

Matthias, Andrea (1968)
Associate Professor, Music
B.M., Lawrence University
M.M., Indiana University

Matthisen, Nancy M. (1968)
Lecturer, English
B.A., University of Minnesota
M.A., University of Minnesota

McGrane, James W. (1988)
Lecturer, Mathematics
B.A., Villanova University
M.S., Catholic University of America

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

Moylan, Thomas P. (1968)
Associate Professor, English
B.A., St. Mary's College
M.A., University of Wisconsin-Milwaukee
Ph.D., University of Wisconsin-Milwaukee

Murnan-Smith, Betty (1966)
Associate Professor, English
B.A., Butler University
M.A., State University of Iowa

Naim, Shamim (1985)
Assistant Professor, Geography
B.A., University of Allahabad
M.A., University of Allahabad
Ph.D., Oregon State University

Nair, Sasidharan (1984)
Assistant Professor, Computer Science
B.S.C., Kerala University
M.S.C., Revishankar University
M.S., Ohio University

Nelson, Neal D. (1983)
Assistant Professor
Physical Education/Athletics
B.S., University of Wisconsin-LaCrosse
M.A., Adams State University

Parker, Alan D. (1976)
Associate Professor, Biological Sciences
B.S., Eastern Illinois University
M.S., Eastern Illinois University
Ph.D., University of Illinois

Pierre, Gerald J. (1975)
Assistant Professor, English
B.A., St. John's University
M.A., University of Minnesota
Ph.D., University of Minnesota

Rabby, John W. (1964)
Associate Professor, English
B.S., Spring Hill College
M.A., Marquette University

Rodriguez, Cecilia M. (1985)
Associate Professor, Spanish
B.A., University of Costa Rica
M.A., University of Kansas
Ph.D., University of Kansas

Rohe, Randall E. (1983)
Associate Professor, Geography
B.A., Carroll College
M.A., University of Colorado
Ph.D., University of Colorado

Rozga, Margaret M. (1982)
Assistant 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
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

Schwanke, Richard H. (1970)
Professor, Art
B.S., University of Wisconsin-Milwaukee
M.S., University of Wisconsin-Milwaukee
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1988-89 Academic Year Calendar

Semester I

Regist./Fac. Report	August 29
Labor Day	September 5
First Day of Classes	September 6
Thanksgiving Recess	November 24-27
Last Day of Classes	December 16
Study Day	December 17
Examination Period	December 18-23

Semester II

Regist./Fac. Report	January 23
First Day of Classes	January 30
Spring Vacation	March 18-26
Easter	March 26
Last Day of Classes	May 19
Study Day	May 20
Examination Period	May 22-27

1989-90 Academic Year Calendar

Semester I

Faculty Retreats, Seminars	August 21-25
Registration	August 28-September 1
Labor Day	September 4
First Day of Classes	September 5
Thanksgiving Recess	November 23-26
Last Day of Classes	December 15
Study Day	December 16
Examination Period	December 18-23

Semester II

Registration	January 10-12; 16-17
Martin Luther King Birthday	January 15
First Day of Classes	January 18
Spring Vacation	March 10-18
Easter Break	April 13-15
Last Day of Classes	May 11
Study Day	May 12
Examination Period	May 14-19

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Index

Abbreviations, Associate Degree designations, 13
Abbreviations, departmental, 12
Academic Calendars, 90
Addresses, by campus, 3
Administration, UW Centers Central Office, 7
Administration, UW System, 6
Anthropology, 13–14
Anthropology, Biological, 13
Anthropology, Cultural: Topical and Area, 14
Anthropology, General, 13
Anthropology, Linguistic, 14
Anthropology, Prehistorical, 14
Art, 14–15
Associate of Arts and Science Degree, 9–10
Associate of Arts Degree, 10–11
Associate of Science Degree, 11
Astronomy, 16
Bacteriology, 16
Baraboo Sauk County, UWC, 46–48
Barron County, UWC, 49–51
Biological Sciences, 16–18
Biology, 16–17
Board of Regents, UW System, 6
Board of Visitors, UW Centers, 7
Botany, 17
Business, 18–19
Business and Economics, 18–19
Chemistry, 19–20
Communication Arts, 21
Computer Science, 22–23
Course descriptions, 12–44
Degree Requirements, 9–11
Economics, 19
Education, 23
Engineering Graphics, 23
Engineering Mechanics, 23
English and Literature, 23–25
Fond du Lac, UWC, 52–54
Foreign Language, 25–28
Fox Vally, UWC, 55–58
French, 25–26
Geography, 28–30
Geology, 30
Geology and Meteorology, 30
German, 26–27
History, 31–33
History of the UW Centers, 7
Interdisciplinary Studies, 33
Learning Resources, 33
Lecture (University) Forum, 33–34
Manitowoc, UWC, 59–61
Marathon County, UWC, 62–65
Marinette County, UWC, 66–67
Marshfield/Wood County, UWC, 68–70
Mathematics, 34–35
Meteorology, 30
Military Science, 35
Music, 36
Music, Applied, 37
Natural Resources, 17
Philosophy, 38–39
Physical Education, 39–40
Physics, 41

Physiology, 17
Political Science, 41–42
Post-Secondary Education Program (PREP), 8
Psychology, 42–43
Richland, UWC, 71–73
Rock County, UWC, 74–77
Sheboygan County, UWC, 78–80
Sociology, 43–44
Spanish, 27–28
UW Centers Structure, 7
Washington County, UWC, 81–83
Waukesha County, UWC, 84–89
Women's Studies, 44
Zoology, 17–18

