

**University of Wisconsin-
Center System
1979-1981 Catalog**

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Chancellor's message

Welcome to the University of Wisconsin Center System.

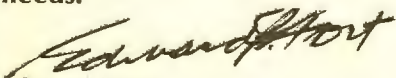
As one of the nearly 8,000 students enrolled in the Center System, you join approximately 140,000 others as students in the University of Wisconsin System.

The Center System is a unique composite of 14 geographically scattered campuses, each with the unique mission of providing a quality two-year liberal arts and preprofessional transfer program. In small campus settings, traditional 18-22-year-old students and older non-traditional students work toward an Associate Degree in the arts or sciences or study for their own self-advancement under the leadership of highly trained faculty and staff.

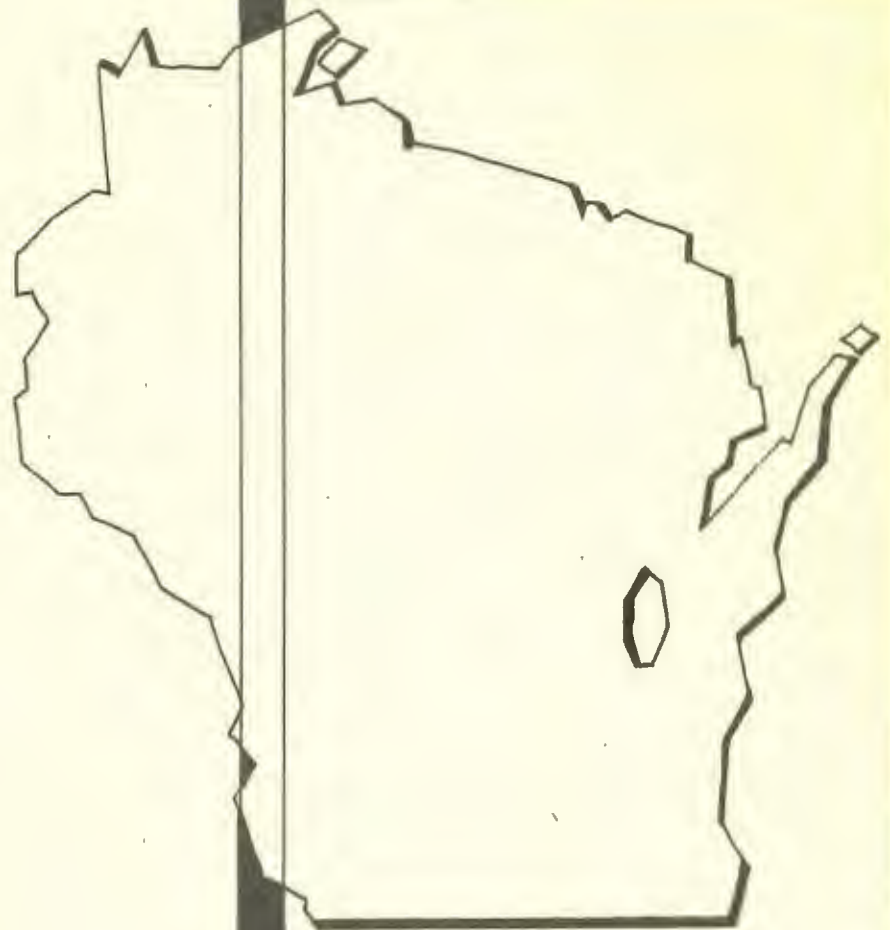
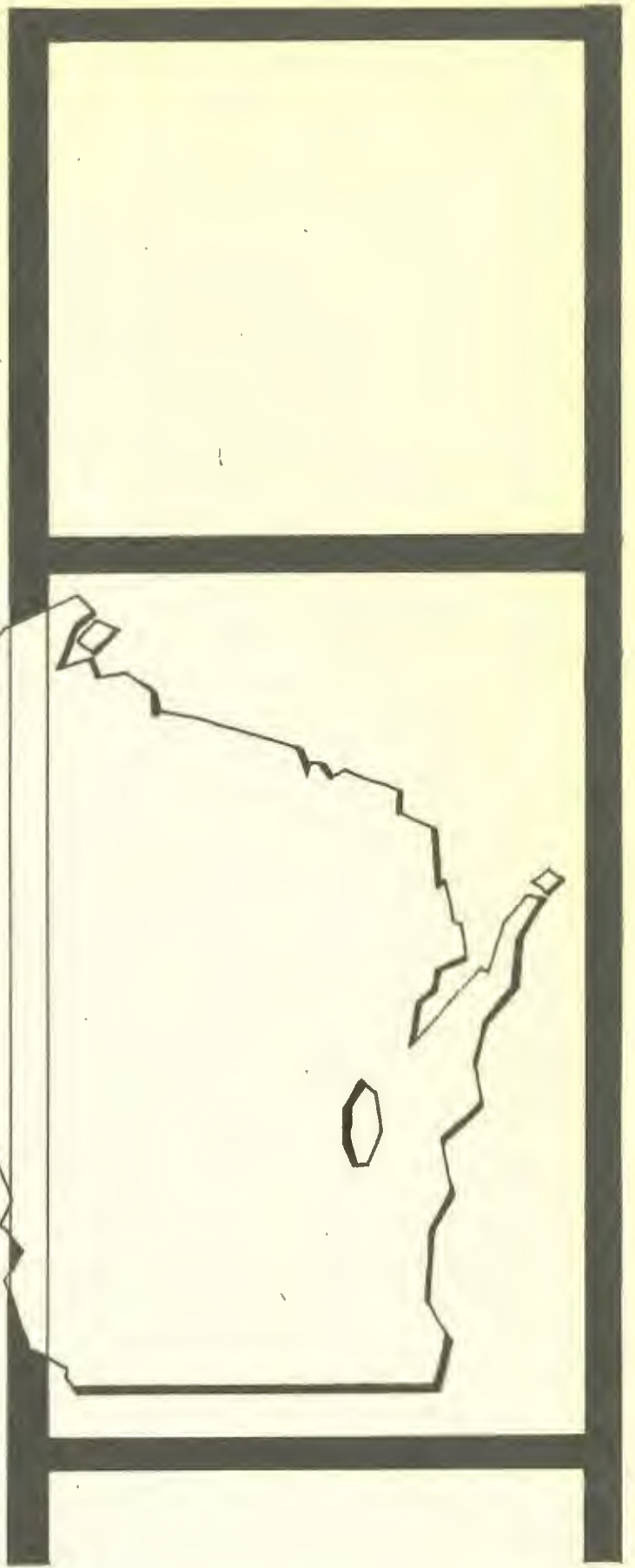
The University of Wisconsin Center System provides a wide range of curricular offerings in the liberal arts and preprofessional fields as well as continuing education programs. The deans and faculties of the fourteen Centers, in conjunction with the administrative staff in Madison, believe in continuing the highest standards for quality collegiate education which emphasizes small classes, personalized instruction and guidance, and ease in the transferability of credits.

Operating in concert with the belief that the boundaries of the University of Wisconsin stretch to the far reaches of the State's borders, the Center System plays an important role in guaranteeing equality of educational opportunity to all citizens at a reasonable cost. Center System campuses stretch to the northwest (Barron County), north central (Medford, Marathon County, Marshfield/Wood County), eastern (Fox Valley, Manitowoc County, Fond du Lac, Sheboygan County, Marinette County), southeastern (Washington County, Waukesha County, Rock County) and south central (Richland, Baraboo/Sauk County) Wisconsin.

Each center plays a central role in the recreational, educational and cultural life of the community in which it is located. Whether you are 19 or 80, seriously pursuing a degree program, or taking classes for advancement or pleasure, the Center System can meet your needs.



Edward Fort
Chancellor



introduction

The fourteen University of Wisconsin Center System campuses serve the needs of freshman-sophomore students seeking quality education at a reasonable cost.

The present Center System grew out of the merger of the University of Wisconsin and the State University by a legislative act in 1972. As a result of this action, the seven campuses with their histories rooted in UW-Madison and UW-Extension; the three satellite campuses of UW-Green Bay, and the four branch campuses of the former State University System became the UW Center System.

Center System campuses are designed to provide the best possible services for all its students. All campuses have excellent libraries with access to the State Inter-library Loan System, well-equipped science laboratories, classrooms, and lecture halls. Student recreational and meeting facilities are also available on each Center. Facilities have been designed or modified to provide access for the handicapped.

Organizational structure

The chancellor is the chief executive officer of the UW Center System. The chancellor, whose office is in Madison, reports to the provost and president of the University. Assisting the chancellor in the operation of the Center System are the associate chancellor for academic affairs, the assistant chancellor for administrative services, the director of research and their staffs.

Each Center, in turn, is directed by a dean who reports to the chancellor. A vital part of each Center's administrative team is the student services staff. You will become familiar with these capable individuals during your two years at the Center. Let them assist you in your academic, personal, career, and financial aid counseling.

How to use this catalog

Although you are a student at a specific campus, Center System policies and procedures are the same for students at all 14 Centers. This catalog is designed to provide you an overview of admissions and financial aid procedures, academic regulations and programs governing the UW Center System. Through a careful reading of this catalog, you will discover what the Center System can offer you as well as what is expected of you as a student.

You will note that specific information pertaining to your Center's course offerings as well as a directory of its faculty and staff are contained in the separate sections of this catalog.

This catalog is not a substitute for academic counseling and planning. Assistance in developing your own course of study and in planning for ease in transfer between the Center and other institutions is available through a counselor in your Center's Office of Student Services. This office can also refer you to faculty members who can assist you in planning your academic programs.

Additional information pertaining to the activities, special programs and features of your Center is available through the Office of Student Services on your campus.



University of Wisconsin Center - Baraboo/Sauk County

1006 Connie Road

Baraboo, Wisconsin 53913

(608) 356-8351

Location: The University of Wisconsin Center-Baraboo/Sauk County is located on a scenic 64-acre site overlooking the City of Baraboo and the Baraboo Bluffs.

Student body: Approximately 400 students are enrolled at UWC-Baraboo. Because of its size, location, facilities and service orientation, UWC-Baraboo is making possible life-long education for older Wisconsin residents as well as youth. The Center encourages students to work toward an Associate Degree, pursue their special interests, or study for self-fulfillment.

Facilities: The campus features three modern, well-equipped buildings. Classrooms and the administration and faculty offices are located in the Administration and classroom building. Well-equipped science laboratories and an adjoining greenhouse provide modern teaching facilities and science equipment. The building also houses a spacious art studio with an adjoining outdoor exhibit area and sketching patio as well as darkroom facilities.

The Library-Learning Resource Center is considered one of the most advanced facilities of its kind in the State. The facility is equipped with 30,000 volumes of books, periodicals, microfilm, phonograph records, audio tapes, films, video-tapes, slides and teaching machine programs. The Library also has the service of the Inter-Library Loan Service.

The Student Center serves as the focus for much of the Student Activities on the campus. The student newspaper, student government offices, cafeteria, and recreational facilities are housed in the Student Center. Campus music, drama, and fine arts presentations are held in its 272-seat theater. The Office of Student Affairs is also located in the Student Center.



Academic programs: The Baraboo Center shares the high quality education identified with the University of Wisconsin and offers freshman-sophomore courses comparable to those offered on any UW campus.

A number of special programs provide additional opportunities for academic exploration. Under the credit-no-credit option, for example, students may elect courses outside their field of study without the usual concern for grades. Many departments of study also offer credit for independent study on selected topics.

After 60 credits of prescribed study at the Center, students may receive an Associate of Arts or Science Degree. While some students seek immediate employment following the completion of their degree, most choose to go on to a four-year institution to complete

requirements for baccalaureate degrees. The Center offers preparation in the following professional programs: agriculture and natural resources, art, architecture, business, education, engineering, family resources, medical technology, music, nursing, pharmacy, physical and occupational therapy, pre-dentistry, pre-law, pre-medicine and social work as well as other programs.

Extracurricular activities: Involvement in extracurricular activities is also an aspect of Baraboo campus life. Work with musical and theatrical productions, continuing education, student government and publications are a few of the creative outlets available.



University of Wisconsin Center - Barron County

1800 College Drive

Rice Lake, Wisconsin

(715) 234-8176

Location: The University of Wisconsin Center-Barron County in Rice Lake is located about 60 miles north of Eau Claire in Northwest Wisconsin. The campus grounds are comprised of about 135 acres of land south of Rice Lake along the Red Cedar River.

Student body: In the spring of 1979, a total of 366 students were enrolled, with full-time male students numbering 169 and full-time female students, 143; part-time male students numbering 18, and female, 36. One of the biggest advantages of academic life is the ratio of about 14 students to every member of the faculty.

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 adjacent campus of Wisconsin Indianhead Technical Institute.

Academic programs: Students may pursue a number of study areas, including art, botany, business, chemistry, communications (speech, journalism, theatre), computer science, economics, education, engineering, English, French, geography, geology, history; interdisciplinary (futurology, career exploration and development, careership), mathematics, music, philosophy, physical education, physics, physiology, political science, psychology, sociology, special education and zoology.

Extracurricular activities: The university recognizes that participating in extracurricular organizations and activities is an important part of the total educational experience. Representative activities include: Student Senate (which plans dances, political forums, Fall Fling and Spring Fling); "Charger" athletics (cross country, soccer, volleyball, basketball, wrestling, baseball, golf and tennis) and intramural athletics (football, curling, basketball, softball, bowling, skiing, volleyball, tennis and hockey); Delta Psi Omega national honor dramatic fraternity; musical organizations (university choir and university band, as well as ensembles, including pep band, jazz band, swing choir, woodwind, brass, orchestra for musical productions, and vocal groups); Phi Beta Lambda business fraternity; S-Club (for men who have won a letter in a varsity sport); TWIG student newspaper; Veterans Club; Cheerleaders and Chargerettes, and forensics.

Special programs: The campus initiated a faculty-student advisor program in the fall of 1978 to help students schedule classes. The faculty members to whom students are assigned will be their advisor for the two-year stay at UWC—BC unless a change is requested.

The Careership Program, another special feature at the UWC—BC, is a cooperative education arrangement whereby students, in concert with community employers, have the opportunity to sample at first hand various employment experiences and at the same time earn elective academic credits through directed study based on a "learning contract."

Another group unique to the Rice Lake Center is the Barron County Campus Foundation, chartered in 1968 by the State of Wisconsin as a non-profit corporation. The Foundation has taken part in many campus activities, sponsored guest appearances, and purchased equipment for the Center's use.





University of Wisconsin Center - Fond du Lac

Campus Drive

Fond du Lac, Wisconsin 54935

(414) 922-8440

Location: The University of Wisconsin Center - Fond du Lac is located on the northeast side of the city of Fond du Lac off East Johnson Street (Hwy. 23).

Fond du Lac County has a resident population of approximately 83,000 with about 35,000 residents living in the city of Fond du Lac.

Fond du Lac County provides the Center with excellent natural resources for teaching students. The Eldorado Marsh is a habitat for bird study. The Kettle Moraine and the history of glacial activity in the county provide research opportunities for geology students. Miles of country roads provide excellent biking conditions for recreational activity.

Student body: With an enrollment of approximately 600 students, the Center emphasizes the advantage of a small school. Personalized instruction, casual atmosphere, available faculty, and low cost are some of the strong points of the Center.

UWC-FdL students range in age; 37 percent of the students are over twenty-one years old.

Facilities: Grouped around a two-acre man-made lake, the Fond du Lac Center includes six buildings on a 183 acre site. The Center facilities include: classroom building, a science building, library-administration building, student center, physical education facility, and a heating plant. The recently constructed buildings are modern in every respect, and contain the latest in classroom and laboratory equipment. Outdoor physical education and recreation facilities include tennis and basketball courts, softball diamonds, an all-weather quarter-mile track, and a soccer field. Approximately 25 acres of the grounds have been set aside as a nature preserve. Students are developing it into a botanical laboratory.



Academic programs: Curricular offerings at the Fond du Lac Center encompass the first two-years of a four-year sequence in the liberal arts and sciences. Students can pursue work in approximately 40 majors and minors. Students can also pursue studies in pre-education, business administration, pre-medicine, and nursing, pre-engineering, and other pre-professional courses. In addition, students are able to pursue course work in special degree programs including medical technology, physical therapy, and natural resources. Pre-professional programs offer two years of essential undergraduate course work preparatory to further education and training at professional schools.

The Careership program offers qualified career-oriented students the opportunity to study and work in careers in business, industry, and government. Through the Careership Program, students focus their talents and energies on career exploration, career decision-making and, most importantly, career preparation.

Student activities: The UWC-Fond du Lac provides non-academic and academic-related activities. Students can partake in many athletic activities which include men's and women's basketball, golf, tennis, women's volleyball and softball, soccer, and intramurals. Academic related activities include student government and a student newspaper. Students also participate in the annual Madrigal Dinner, the Readers' Theater, and the production of a literary magazine.

Special programs: Throughout the year, the UW Center - Fond du Lac sponsors various lectures, programs, and fine arts activities. The Center also offers an extensive non-credit continuing education program. Classes are offered in yoga, guitar, art, tennis, astronomy, taxes, and dancing as well as other interest areas.



University of Wisconsin Center - Fox Valley

1478 Midway Road

Menasha, Wisconsin 54952

(414) 734-8731

Location: The University of Wisconsin Center - Fox Valley is located midway between Appleton and Menasha, three miles from the north shores of Lake Winnebago.

Student body: A commuter campus of 900 to 1000 of all ages and varied interests . . . some just out of high school, earning Associate Degrees . . . some young adults preparing for a change in career . . . some older adults changing direction in their lives . . . some able high school students getting a jump on their college programs . . . some part-time . . . some full-time . . . some working . . . some homemakers . . . some retired . . . some returning to college after many years . . . all finding stimulation, enrichment, enjoyment.

Facilities: One long, low, rambling building houses most activities. Faculty offices, crafts center, seminar rooms, art labs, and child care facilities are located in adjoining modular units. Additions to the main building provide theater, music, audio/visual, radio station and television production space.

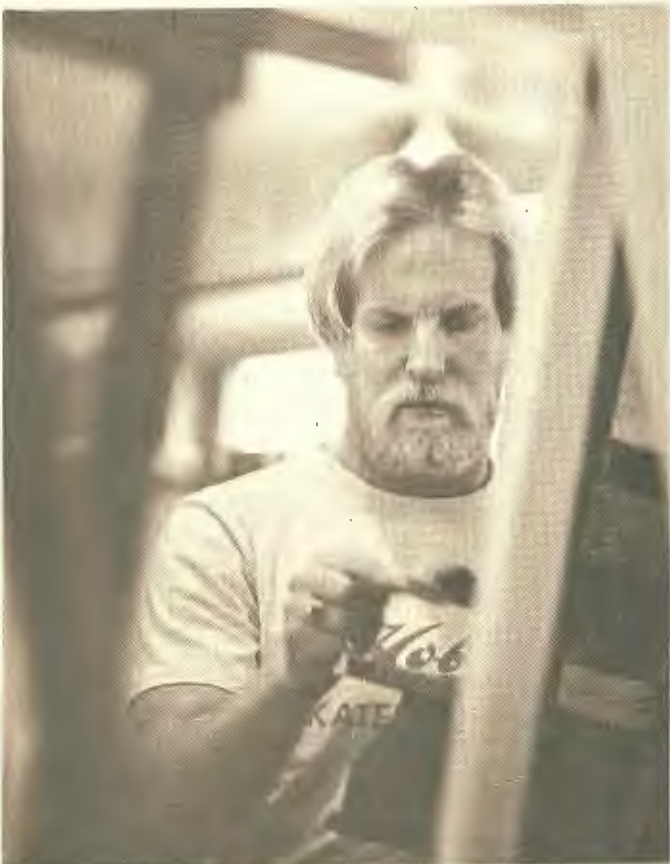
Academic programs: More than 200 freshman-sophomore level courses in more than 35 liberal arts and science disciplines leading to an Associate in Arts or Sciences Degree. Pre-professional preparation in almost any area, from accounting to forest science to pre-law to vocational rehabilitation.

Student activities: Intercollegiate and intramural sports . . . lecture and fine arts series . . . student newspaper . . . student radio station . . . drama, music and dance . . . film series . . . art exhibits . . . clubs reflecting student interests.

Special programs: Careership program . . . planetarium . . . interdisciplinary technology-culture courses . . . learning skills classes . . . day care center . . . co-op food service . . . close and creative relationships between students and faculty.

Costs: On the average the money saved in out-of-pocket costs of two years at UWC-Fox Valley will pay for a third year at a four-year campus.

Financial aids: Scholarships and grants . . . educational loans . . . student employment.



University of Wisconsin Center - Manitowoc County

705 Viebahn Street

Manitowoc, Wisconsin 54220

(414) 682-8251

Location: The University of Wisconsin Center - Manitowoc County is set on a 40-acre campus overlooking Lake Michigan to the east and adjoining a 78-acre wooded park to the south. The Center is county-owned and state-operated.

Student body: Enrollment at the Center is approximately 400 students. About one third attend on a part-time basis. Among full-time students, men outnumber women; however, among part-time students, there are more women than men.

Who studies at the Center? Center students are recent high school graduates, adults returning to college after an interruption, high school juniors and seniors earning college credits while they are still in high school, senior citizens taking advantage of the University's free audit policy, and individuals taking courses for career advancement, personal growth, or to satisfy their intellectual curiosity. Nearly all are from Manitowoc County.

Facilities: Classes meet in a large multipurpose building which was constructed in 1962 with tax money from citizens of Manitowoc County.

Academic programs: At the UW Center, students take the first two years of college in a small campus setting. Personalized instruction, abundant student-faculty contact, and small classes are some of the benefits available to students at the Center. A highly qualified faculty who share a commitment to teaching excellence is another reason students come to the Center.

Since its primary role is as a liberal arts transfer institution, the Center plans its curriculum with four-year programs in mind, offering instruction in a wide variety of liberal arts and professional areas. Credits earned at the Center are transferable to colleges and universities across the country.



Students who fulfill degree requirements can earn an Associate of Arts and an Associate of Science degree while enrolled at the Center. The two-year degrees are authorized by the University of Wisconsin System Board of Regents.

Student activities: Opportunities for involvement in extra-curricular activities are many. The Center has a student senate, a student newspaper and literary magazine, symphonic band, jazz ensemble, chorus, vocal ensemble, theatre laboratory, and a variety of clubs. In addition, plays, exhibits, concerts, performances, lectures, films, dances, student-faculty mixers, intramural and varsity athletics are scheduled during the academic year.



University of Wisconsin Center - Marathon County

518 South 7th Avenue

Wausau, Wisconsin 54401

(715) 845-9602

Location: The University of Wisconsin Center - Marathon County is located in Wausau (pop. 33,000), situated in the heart of north central Wisconsin. The campus is located next to beautiful Marathon Park (78 acres), a few miles from Rib Mountain. Within close driving distance from the campus are varied recreational possibilities with lakes and streams, ski hills, ice rinks, tennis courts, and parks.

Student body: Though the student body might be described as a typical cross section of Wisconsin, there are also out-of-state and foreign students in residence. The current enrollment of 940 is represented by nearly equal numbers of men and women.

A third of the students are adults who take courses during the day or evening for credit, "enrichment," or career development. A few others are high school students using a special arrangement to take college courses for credit.

Recent figures show that almost 50 percent of the new freshmen at UWMC graduated in the top one-fourth of their high school class. Approximately 60 percent of the students are employed part-time and about 50 percent receive financial aids in the form of scholarships, loans, or work-study.



Facilities: The buildings include the only dormitory in the Center System; a science hall with extensive lab facilities; art studios; fieldhouse with handball court, weight room, Olympic-sized swimming pool, and gymnasium; and a classroom-student-office complex with fine arts room, 29,000 volume library, lounge, music annex, book store, planetarium, greenhouse, game room, and cafeteria.

Academic programs: The UWC-Marathon County offers the freshman and sophomore year of practically any university major. Approximately 130 courses are scheduled each spring and fall for full-time and part-time students. A summer session is also offered.

UWMC offers several special programs for students including an evening degree program, honors, basic skills and tutoring.

Student activities and programs: The small campus environment of the UWC-Marathon County provides students with numerous extra-curricular activities to complement their intellectual growth.

Students participate in student government, vocal and instrumental music groups, forensics, drama, clubs, social activities, and a weekly student newspaper. They are involved in a variety of intramural activities and compete with other Centers in basketball, golf, tennis-soccer, and volleyball as part of the Wisconsin Collegiate Conference. The UWMC University Series offers—usually without admission charge for UWMC students—film, drama, concerts, speakers, and other programs on a regular basis.

Transfer: Nearly all students who complete two-years at UWMC transfer to a four-year campus to complete their degree. UW-Madison takes the largest number of transfers from UWMC, followed by the UW campuses at Stevens Point and Eau Claire.



University of Wisconsin Center - Marinette County

Bay Shore

Marinette, Wisconsin 54143

(715) 735-7477

Location: Bounded on the west by Lake Michigan's Green Bay shoreline, UWC-Marinette reflects its location in that area of Wisconsin known in the last century as the "pinery." Tall pines, hardwoods and natural groundcover are left undisturbed on most of the 36 acres which form the campus.

Student body: Between 350 and 450 students enroll at UWC-Marinette each 14-week semester. Over 100 attend the Center's January Interim and its six-week summer session.

Facilities: Students occupy facilities built at a cost of almost \$2 million between 1965 and 1970 by Marinette County with federal assistance. The functional complex contains a classroom-administration building, library-classroom building, fine arts building with 394-seat theatre, and gymnasium.

Academic programs: Students may begin full-time and part-time studies in most academic and pre-professional majors and most can complete the basic freshman and sophomore program required before specializing in academic majors as college juniors.

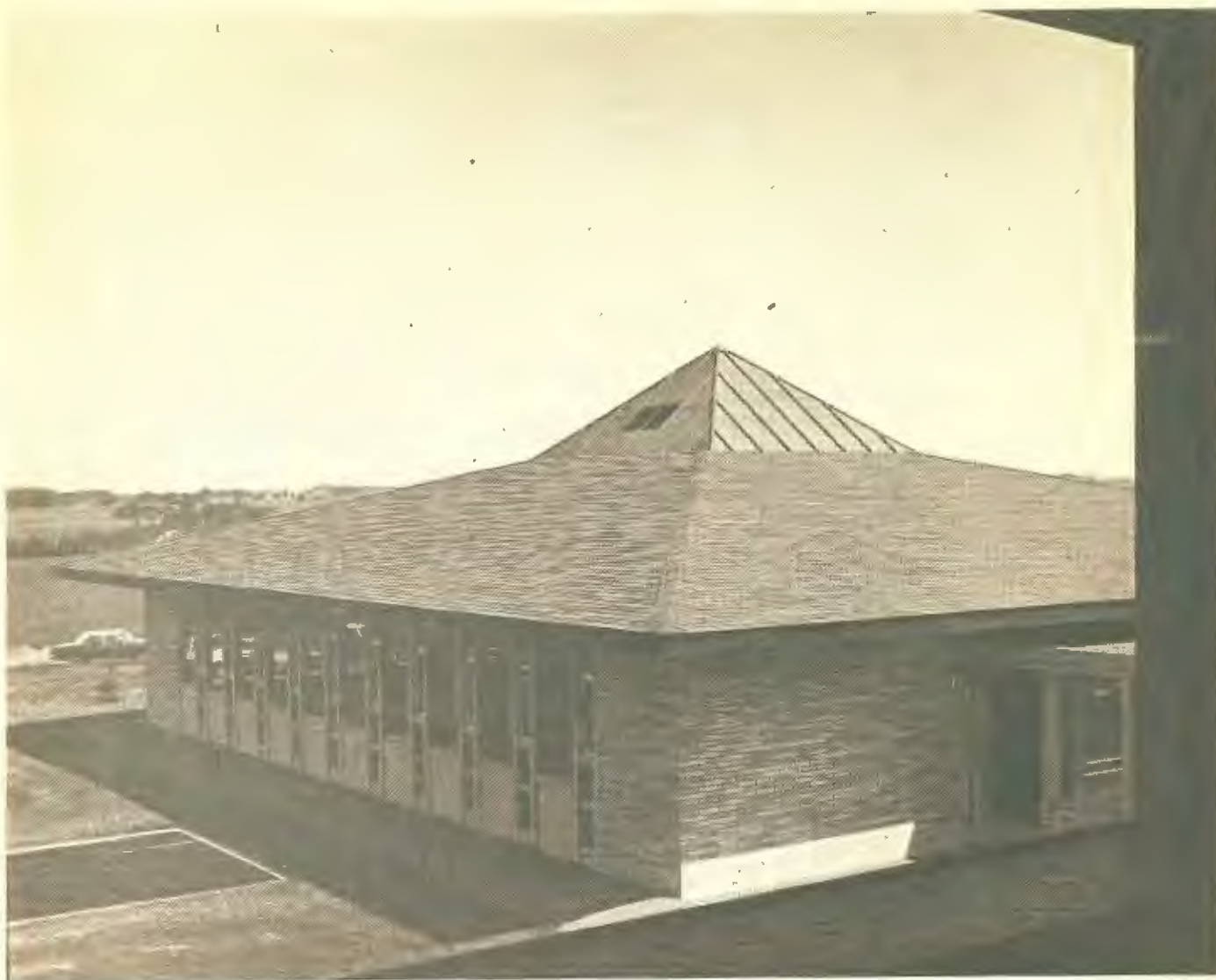
In addition to the traditional academic fields (see course listing for disciplines), UWC-Marinette offers: special topic studies; programs which allow students to test their interest in careers and professions through practical off-campus experiences; interdisciplinary studies; and basic skills instruction in reading comprehension and techniques needed for success in academic work.



Student activities: Extracurricular life includes intercollegiate basketball, golf, tennis, cross country and women's volleyball teams, intramural sports activities, choral and instrumental musical groups, Phi Theta Kappa honors society, a student newspaper, ski club, a winter carnival, and student travel opportunities. Concerts, plays and lectures add an important cultural dimension to student life. Students elect their student government, control their own activities budget, and have representation on the faculty governing body, the Collegium.

Special programs: UWC-Marquette's theatre program, known state-wide as Theatre On The Bay, provides multiple opportunities for participation in the various facets of theatre production and operation.

UWC-Marquette receives added support from the University of Wisconsin-Marquette Foundation as well as from a number of community organizations, businesses, industries and individuals. An endowment is administered by the Foundation as are talentship grants which are given to 20 to 30 students annually based on academic promise and special ability.



University of Wisconsin Center - Marshfield/Wood County

2000 West Fifth Street

Marshfield, Wisconsin 54449

(715) 387-1147

Location: The University of Wisconsin Center-Marshfield/Wood County, located near the center of the State in Marshfield has been providing educational and cultural benefits to the residents of the Central Wisconsin area for the past 15 years. We receive the active support of the community in all our varied programs and activities. In this academic and cultural interchange lies the strength of the Center.

Student body: As part of the UW Center System, the Marshfield Center provides freshman and sophomore instruction to approximately 500 students.

Facilities: Facilities at this Center are among the finest in the State. Major buildings are the W.W. Clark Administration Building; Aldo Leopold Science Building; A.G. Felker Student Center; Fine Arts Building complex, with the 26,000-volume Learning Resource Center, Lecturer-Performance Hall, music rehearsal rooms and art studios; Gymnasium; and University Apartments for student housing.

Outdoor recreational facilities include lighted tennis courts, soccer fields, football field-baseball diamond and golf green. The University Arboretum, part of the 91-acre campus, also provides nature trails for hiking and plant identification as well as trails for cross-country skiing enthusiasts.

Academic programs: Because we value the importance of a one-to-one relationship in all areas of study, activities and involvement, we believe our strength, lies in our size and our commitment to the individual. You will receive personalized instruction at the Center, since there are about 15 students to every faculty member. Faculty are accessible for and eager to provide individual help through informal conferences. Class size is small and you will benefit from individual attention.

Student activities: Size does not affect our overall program offerings. We have a complete and varied selection of activities—the same as you might find on a campus many times larger. You have a chance to become directly involved in all areas as a freshman — to participate in and contribute to the campus life in athletics, drama, music, publications, student government and many other areas.

Special features: Most students attending the Center find that costs are much lower because they can live at home. The money you save in your first two years at the Center can be applied to the last two years of college, when your expenses of living away from home are much greater.

You'll also find that the atmosphere at the Center is warm and friendly. Students are known by name and are welcomed actively into the total campus life. The relationships you'll develop and the knowledge you'll gain will help you personally and will give you a good solid start on your academic career.

The full range of liberal arts courses and pre-professional studies are designed to give you two years of college work toward your academic degree. The opportunities for growth are unlimited at the Center, and the environment is right for it — because we make the time for you.



University of Wisconsin Center - Medford

625 Donald Street

Medford, Wisconsin 54451

(715) 748-3600

Location: The University of Wisconsin Center - Medford occupies two buildings on a wooded, 92-acre site at the south edge of the city of Medford.

Student body: UWC-Medford enrolled approximately 120 students in 1979. More women than men were enrolled in the Center.

Facilities: The Classroom Building, constructed in 1959 for the former Taylor County Teachers College, houses the administrative offices, the cafeteria, a student lounge and game room, the gymnasium, the Learning Resources Center, and several classrooms and faculty offices. The Science Building, added in 1972, includes laboratories for biology, chemistry, and photography, an art workshop, a conference room, a small lecture hall/theater, and faculty offices and classrooms.

The campus woods offers field experience in the natural sciences and a pleasant environment enhanced by a mile-long nature trail developed in 1976.

Academic programs: Most major fields of study in the liberal arts are represented among the 40 or more courses offered each semester.

The UWC-Medford offers a regular daytime schedule of classes, and also evening and Saturday classes.

One or more classes are scheduled each evening, Monday through Thursday. These classes, open to all students, are especially convenient for those who have jobs during the day.





In the fall of 1978 the UWC-Medford introduced the Saturday College, a unique program requiring class attendance on Saturdays only. The student who completes all three Saturday classes each semester over any three-year period will have achieved an associate degree—the equivalent of two years of full-time study in our regular schedule. This program is popular with older students who desire rapid progress toward their educational goals but have job and family responsibilities during the week.

In addition to classroom instruction, students may enroll in the careership program whereby on-the-job experience earns academic credit. Through a learning contract agreed upon by the student, the faculty advisor, and the employer, students study career possibilities by working part-time (either as volunteers or paid employees) in a business, industry, or service related to their intended major.

Student activities: The Student Government Association (SGA), intercollegiate athletics, intramurals, various clubs, student literary publications, art exhibitions, and music and theater productions provide adjunct activities to round out student life at UWC-Medford. Students, faculty, and staff combine their talents for many of these activities, while the SGA and the UWC-Medford Foundation also bring visiting artists, entertainers, and feature films to the campus. The UWC-Medford Lancers field men's, women's, and co-ed teams in several intercollegiate sports, including basketball, volleyball, golf, and tennis. The SGA officers, elected from the student body, participate directly in academic governance with the Dean and faculty as voting members of the UWC-Medford Collegium.

An opportunity to gain valuable experience through active participation in academic and extracurricular activities is available to everyone in the small classes and informal atmosphere that characterize the UWC-Medford.



University of Wisconsin Center - Richland

U.S. Highway 14 West

Richland Center, Wisconsin 53581

(608) 647-6186

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. The 135-acre campus (60 developed acres) is on the western edge of the community in an area of rolling hills and scenic valleys.

The city of Richland Center (pop. 5,100) is a dynamic community, combining the rich agricultural heritage of the area with developing industrial and commercial growth.

Student body: With an average per semester enrollment of 300 students, the UWC-Richland is able to offer its students a benefit not available at all institutions—personalized education. The student-faculty ratio (14:1) is a good indication that there is the opportunity for personal contact with a highly-qualified faculty and staff.

The student body is made up of an equal ratio of men and women of all ages. The growing number of adult students greatly enhances the learning environment and provides the diversity that is so important to any university campus.

Facilities: The UWC-Richland first opened its doors to students in the fall of 1967. Therefore, facilities on-campus are new and up-to-date. The six main buildings on campus include: Miller Memorial Library, Wallace Student Center, General Classroom Building, Science Building, Roadrunner Gymnasium, and the Administration Building. Outdoor facilities include an athletic field, tennis and basketball courts, and an area for winter recreational activities. A Vita Course (outdoor exercise course) is the newest addition to the UWC-Richland campus.

Academic program: Students on the UWC-Richland campus are able to begin virtually any liberal arts or pre-professional program of study. From A-Z—astronomy to zoology—UWC-Richland offers freshman and sophomore courses designed to get a student started in a college program. Students interested in accounting, elementary or secondary education, forestry/wildlife management, pre-medical fields, nursing, pre-engineering, or any college program find that these programs are available for them at the UWC-R.

Student activities: The size of UWC-Richland is important because it provides the opportunity for active involvement in a variety of extra-curricular activities—athletics, music, drama, student government, student newspaper, Outing Club, intramural athletics. Students are actively involved in planning all of these programs.

Special programs: With a faculty advising system, a student-tutoring-student program, study skills workshops, summer orientation, Associate Degree (s) in the evening (ADE) program, and special courses designed to prepare students for more advance college work, UWC-Richland is for everyone!



University of Wisconsin Center - Rock County

2909 Kellogg Avenue

Janesville, Wisconsin 53545

(608) 755-2823

Location: The University of Wisconsin Center-Rock County is located in Janesville, Wisconsin (population 50,000), 40 miles south of Madison, 80 miles southwest of Milwaukee.

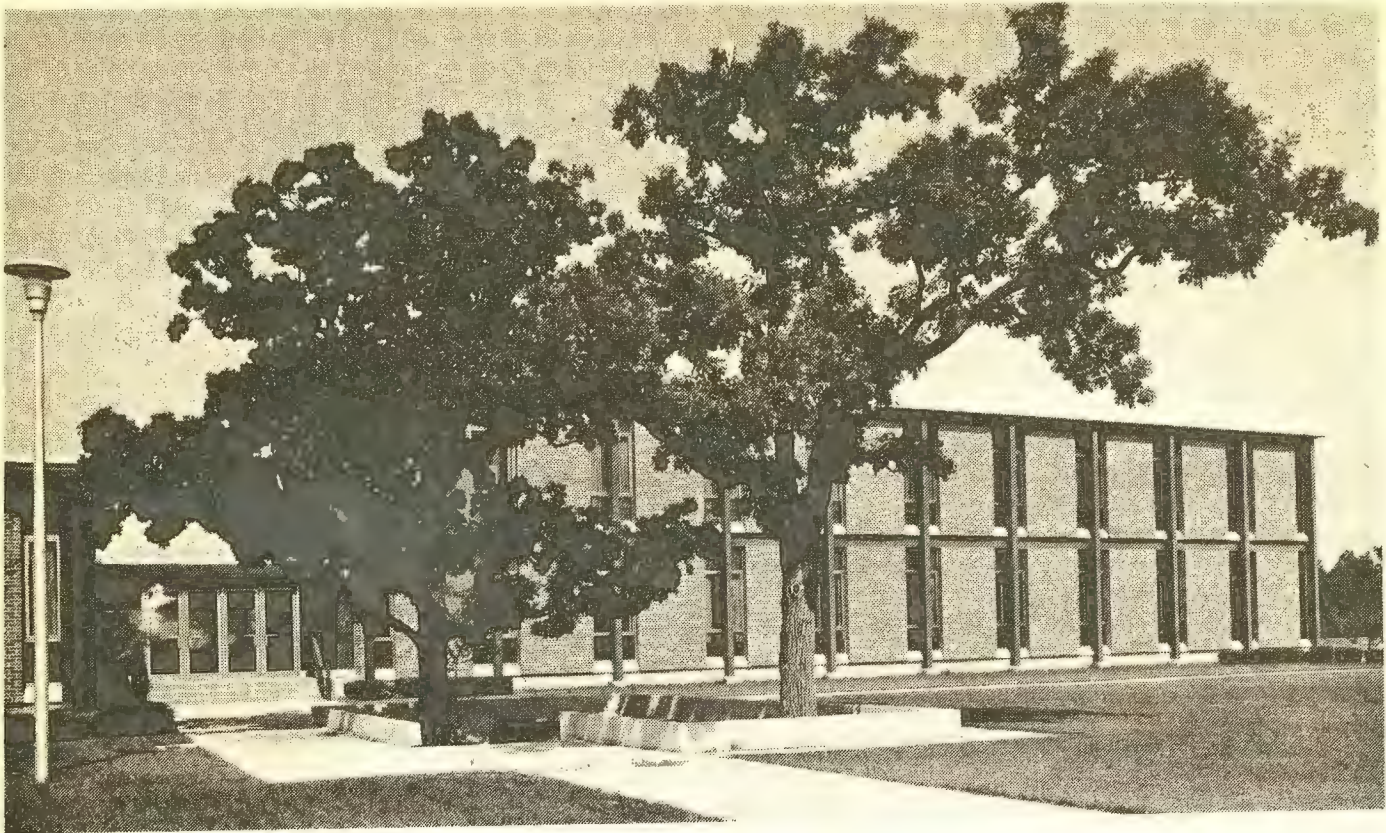
Student body: UWC-Rock County is a co-educational, freshman-sophomore campus of the University of Wisconsin Center System. Between 500-600 students enroll in the Center each semester: approximately half of the student body are part-time students.

Faculty: More than 40 highly qualified faculty members are on campus. Many have earned their doctorates and some hold dual appointments with the University of Wisconsin-Madison.

Facilities: The 50-acre commuter campus contains a large classroom building (Andrews Hall), 60,000 volume library, administration building (Smith Hall), tennis courts, soccer field, and volleyball pit. Plans are underway for construction of a Fine Arts building and an all-purpose building/gymnasium.

Academic programs: Two-years of liberal arts courses in the social sciences, humanities, math and sciences; additional electives in all fields are available. Associate of Arts or Science degrees are awarded. All courses are transferable to four-year colleges or universities. Summer sessions, day and evening classes are offered. All credits needed for Associate Degrees can be earned in evening classes.





Student activities: Band, choral groups, drama club, campus newspaper, cultural programs, student government association, math club, photo club, ski club and varsity and intramural sports are available each semester.

Special programs: An Honors Program and a Skills Development Program serve the needs of a wide range of students. Careership courses help the student explore career interests through part-time employment while taking classes. Business Outreach courses are available, allowing students to earn bachelor's and master's degrees in business through UW-Whitewater.



University of Wisconsin Center - Sheboygan County

One University Drive

Sheboygan, Wisconsin 53081

(414) 459-3700

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: Approximately 600 students are enrolled in freshman/sophomore classes at the two-year Center. The student body is equally divided between men and women with 45 percent of the students attending part-time.

Small class size and the opportunity for close student-faculty interaction characterize the learning atmosphere at the Center.

Facilities: The campus includes a main building, learning-resources center, fine arts building (including theater), and gymnasium. The grounds provide tennis courts, areas for field sports, and a natural terrain for cross-country running and skiing.

Academic program: The Center offers an extensive freshman/sophomore program of liberal arts and pre-professional courses. The curriculum includes approximately 100 course offerings each semester. All courses

carry college credits which are transferable to four-year colleges and universities in Wisconsin and other states.

Major subject areas of study at UWS include:

Sciences—

Astronomy, Bacteriology, Biology, Botany, Chemistry, Computer Science, Geography, Mathematics, Physiology, Physics, Zoology

Humanities—

English, Music, Philosophy, Spanish, Speech

Social Sciences—

Anthropology, Economics, Geography, History, Philosophy, Political Science, Psychology, Sociology

Fine Arts—

Art, Theater, Music, Communication Arts

Pre-Professional—

Business, Education, Engineering, Law, Journalism, Medicine, Nursing, Physical Education, Social Work

Student activities:

Theater: The UWS Players present three plays each academic year, including comedy, drama, and musicals. Anyone who works on stage or behind the scenes of a production is eligible for Players' membership.

Music: Both vocal and instrumental groups are available at UWS. Membership in the UWS choir is open to all students. Performances include campus concerts and appearances for community groups.

Sports: The UWS "Wombats" are members of the Eastern Division of the Wisconsin Collegiate Conference and field varsity teams in cross country, golf, soccer, tennis, men's and women's basketball, and women's volleyball. Intramurals also provide organized competition in a variety of sports. When classes and scheduled activities are not being held, the gymnasium and outdoor facilities are open to UWS students, faculty, and staff each weekday.

Other campus activities are available including work on the student newspaper (the *Cēntron*) and literary magazine (*Luce*).

Student Government and Leadership

The Student Government Association (SGA) is the recognized governance organization for students at UWS. The legislative body of the SGA is the Senate, which organizes many special campus events and encourages student participation in campus governance and social life. It also appoints students to the UWS Collegium, the primary vehicle for faculty participation in campus decision-and policy-making, and to the standing committees which oversee its work.





University of Wisconsin Center - Washington County

400 University Drive

West Bend, Wisconsin 53095

(414) 338-1161

Location: The University of Wisconsin Center - Washington County is located on a glacier-sculpted terrain on the southwest side of West Bend.

Student Body: UWWC has an enrollment of 500-600 students from over 30 Kettle Moraine communities.

Facilities: The campus is made up of a classroom-administration building, a student union, and a library. Community recreational facilities are also utilized. The university library, which houses over 31,000 volumes, serves as the main resource and study center to UWWC students. In addition, the library has videotape equipment, calculators, listening and study rooms, records and magazines, two computer terminals, and a Reading/Writing Lab. The library also serves residents of the community.

Academic programs: UWWC offers you a strong, well-balanced program of liberal arts and pre-professional courses. Over 180 courses are offered each year in 26 fields of study to meet the requirements for the Associate of Arts and Associate of Science degrees. These courses, fully transferable to four-year colleges and universities, provide you with the foundation of over 50 different professional and specialized fields of study.

These include majors in disciplines such as the following: anthropology, art, astronomy, bacteriology, botany, physiology, zoology, economics, chemistry, computer science, English, geography, German, history, mathematics, music, philosophy, physical education, physics, political science, psychology, sociology, speech and theatre.

Broader interdisciplinary majors, such as the following pre-professional programs, may also be chosen: architecture, business administration, dentistry, dental hygiene, education (business, elementary, physical, secondary, special), engineering, home economics, journalism-communications, law, law enforcement, medical technology, medicine, natural resources, nursing, occupational therapy, pharmacy, physical therapy and social welfare.

Extra-curricular programs: Athletics: The athletic program supplements and supports the primary goal of educational excellence by providing a chance for you to gain valuable experience in team play and individual discipline through athletic competition. Competition is available on both an intercollegiate and intramural basis.

Other extra-curricular programs: Many social and cultural experiences are available to UWVC students and the university community. The Fine Arts and Lecture series sponsor ballet and dance companies, drama and opera companies, speakers and musicians on campus every semester. The university also has its own drama productions, band, chorus, and film series. The student government, student social board, and registered student organizations sponsor many social activities including its traditional Casino Night, dances, Christmas Week and Spring Week.

Special Services: The Student Services staff, student counseling staff (SOS or Students Offering Services) and faculty are all resource people available to you. Their services include academic advising, tutorial assistance, personal and career counseling, information on college survival skills, financial aids, as well as other services.





University of Wisconsin Center - Waukesha County

1500 University Drive

Waukesha, Wisconsin 53186

(414) 542-8825

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

Student body: The UWC-Waukesha County is the largest freshman-sophomore Center in the Center System. The student body of over 1,500 students includes recent high school graduates and adults who are returning to college.

Facilities: A building program is now underway at UWC-Waukesha County and is scheduled for completion in early 1980. It will add a new library, faculty offices, classrooms and laboratories. The current campus has four main buildings that were constructed in 1966-70. Northview Hall, classroom-laboratories, and faculty offices; Southview Hall, classroom, art and music studios, faculty offices; Commons, the cafeteria, theater, student lounge, art gallery and administrative offices; Field House, gymnasium, exercise room and faculty offices.

Academic programs: From the Honors Program to the Learning Laboratory the academic program provides options for students of various backgrounds, abilities and career objectives. The course offerings at Waukesha have been designed in close coordination with the universities in the UW System so that in most academic programs, a student who completes the freshman-sophomore years at Waukesha can transfer with junior status to a university or college that grants a bachelor's degree.

Student activities: Student life at the UWC-Waukesha County campus is considered a vital aspect of the total educational picture. One of the popular features is the noon time "happening" called "Night Club at Noon" that features entertainment ranging from folk groups to



classical artists and film programs. Co-curricular activities on campus include the Commons Players, the Madrigal Singers, the Jazz and Wind Ensembles, Swing Choir, student newspaper, Ecology Club, Philosophy Cub, and Ski Club. Social events vary from Octoberfest to Monte Carlo Night, Wine Night and weekly TGIF.

Special programs:

Honors program: The campus offers an Honors Program that can lead to an Associate Degree with Honors. Students can take courses for honors credit without being enrolled in the honors program.

Learning laboratory: A Learning Laboratory to help students improve their reading, studying, mathematics and writing skills is available to all students at UWC-Waukesha. In addition, the lab provides tutoring in all courses. These services are offered without any extra charge.

Basic skills courses: Several courses are offered for students who want to improve their ability to succeed at the college level. Some of these courses do not carry degree credit and are taken either at the same time or before taking the regular credit offered in a particular subject. Examples of these courses are: Critical Thinking (Philosophy), Foundations of Chemistry, English Composition I, Reading and Study Skills, Grammar Skills.

Evening program and summer session: The campus offers classes during daytime and evening hours. A student can earn the Associate Degree by attending classes only in the evening. A special evening program with UW-Whitewater and UW-Extension enables students to earn the bachelor's and master's degree in business through courses offered on the UWC-Waukesha campus.

An eight weeks summer session is held each year. Classes are scheduled during the daytime and evening hours. Students who are attending college elsewhere often pick-up credits when they are home during the summer at UWC-Waukesha County.

**Admission policy and
procedures**



Anyone who might benefit from college study will be considered for admission in the UW Center System.

The Center System provides educational opportunities for a full range of students. The Center System considers each applicant's special needs, offering a number of special programs for students with outstanding academic potential and giving individual attention to applicants who have been out of school for two or more years, to service veterans with at least 180 days of active duty, and to students who have been disadvantaged as a result of substandard education, family income, or ethnic background.

Students on each campus include recent high school graduates, working adults, and senior citizens. Some are in college to earn degrees, some to better their career prospects, and others to enrich their lives.

How to apply

In order to be considered for admission, you must submit a University of Wisconsin application form. You can obtain this application form from your high school guidance office or from the Center. Directions for completing the form and where it should be sent are on the application.

Applications are accepted after October 1 for the following fall semester. High school students are encouraged to apply early in their senior year. If you apply early you will have an advantage in obtaining academic counseling, financial aids, and your preferred schedule of courses.

Freshmen

If you enter the Center System with a degree as your goal, you must meet the following basic admission requirements:

1. Graduation from a recognized high school or possession of an equivalent diploma such as the G.E.D.
2. Completion of at least nine high school credits in any of the following areas: English, speech, foreign language, natural science, social science and mathematics. It is recommended but not required that students present 12 credits from those areas, with at least 3 from English and 2 from mathematics other than general math.

A high school credit represents roughly five class periods per week in one field of study for a school year of 36 weeks. If you are admitted on the basis of an equivalency certificate or diploma, or a G.E.D. examination, you are considered to have fulfilled these minimum requirements.

The Center System does not require an admissions test. However, you may be asked to take placement tests (without charge) in order to aid program advisors.

If you do not meet the requirements listed above, you may appeal to the Office of Student Services for special consideration.

Admission requirements for out-of-state students are the same as those for resident students.

After notification of admittance, but before enrollment in classes, if you rank in the lower 25 percent of your high school graduating class, you must make an appointment to seek the advice of and meet with a counselor from the Office of Student Services.

Students who present a G.E.D. or other equivalent diploma also may be asked to make an appointment with a counselor.

During the interview with a counselor, students whose high school rank or course work indicates that it may be difficult to attain satisfactory grades in college may be allowed to register on condition that they adhere to one or more of the following:

1. Placement tests in English and mathematics, or an equivalent evaluation, completed before registration.
2. Course load and selection determined mutually by the counselor and the student. Some students may be restricted to a maximum of 12 credits during a semester or a proportionate amount during a summer session.
3. Regular meetings with a counselor throughout the semester or summer session.
4. Enrollment in appropriate basic skills courses and/or tutoring as available through the Center. Students may be advised to register in basic skills courses or other appropriate course work during the summer session. Students admitted with this condition must receive passing grades in any basic skills courses in which they are registered before being allowed to continue in the Center.

Students enrolled under these circumstances will continue under the outlined conditions until they have completed at least twelve degree credits with average grades of "C" or better. Students admitted under these conditions are subject to the regular probation/suspension actions. Each such student will be given a copy of the conditions of registration as agreed upon by the student and the counselor.

Students who do not wish to register under such conditions may appeal for an exception to the appropriate committee at the Center.

Counselors may make exceptions for students whose high school background or activities since high school graduation indicate that is policy is not appropriate.

Transfer students

If you have attended college elsewhere before applying for admission to a Center, complete the same application blank that new freshmen use. You must submit a high school record and transcripts from all colleges you have attended. If you had a "C" average at your previous college(s), you will be admitted; if you had less than a "C" average, the Center System academic regulations (probation, drop standards) will be used to determine your admissibility and probation status, if any.

You must submit college transcripts from all colleges attended whether or not you wish to claim credit for the work. If you fail to do so, you may be dismissed from the Center.

Transfer students whose previous college transcripts show less than a "C" average may be asked to meet the conditions outlined above for new freshmen who rank in the lower 25 percent of their high school class.

If you are a transfer student applying for financial aid you should refer to the financial aid section of this catalog for application procedures. If you have previously received financial aid while attending another institution you must file a Transfer Student Financial Aid Record. These forms are available in any campus financial aid office.



Foreign students

The admissions requirements given in this catalog do not apply to students who are not residents of the United States. Admission of students from foreign countries is considered on the basis of scholastic ability as demonstrated on school records and certificates, and the ability to use and understand the English language. Applicants are expected to provide proof of their ability to pay all of the expenses incurred while a student.

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, particularly seniors, who wish to enroll in courses prior to graduation may do so for credit or audit. They must, however, file applications for admission on the standard university forms. They must have the recommendation of their high school principal. Credits and grades earned by the high school student will be entered upon the official records of the campus and will be fully-accredited, transferable UW credits for the student.

"Special students." Anyone may enroll as a "special student" for up to six credits of course work without submitting previous educational records. "Special students" will be asked to submit educational records after having completed six hours of course work before they will be allowed to enroll in additional courses. Students

who have not previously filed the standard University of Wisconsin application form will be asked to do so at this time. (Some Centers use a form which combines and application blank and a registration form for Special Students.) Exceptions may be made for "special students" who are not seeking a degree.

Adults. The UW Centers encourage adults to explore the campuses' offerings, whether they audit or attend full or part time.

Credit by examination

Students may establish credit for some specific courses by taking an examination. The specific courses are decided upon by the department and a standard examination will be used for this purpose. Any credits earned in such a manner will be recorded on the student's transcript as "credit by examination" and no grade will be assigned for such a course. If a student attempts the examination for a course and fails the examination, this attempt will not be shown on the student's transcript. Any questions about the possibility of earning credits by examination may be directed to the Office of Student Services.

Several departments in the Center System have specific policies regarding credit by examination. Students interested in establishing credit for courses other than those listed below should consult an instructor in the department or the Student Services Office. The policies in effect in the spring of 1979 were:

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

Biology Department - A student may take a challenge examination in any course offered by the biology department. Any student interested in establishing credit in this way should contact a faculty member in the Biology Department. The examination may be requested at any time during the semester. If the challenge examination is passed, credit will be granted to equal the number of credits for which the course is offered. For example, if a student passes the examination in Botany 130, the student will be granted 5 credits for Botany 130.

English Department - Students are allowed to earn credit by examination in the following courses.

In English 102, 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 College Composition; *and* by submission of a satisfactory documented paper of 6-8 pages.

In English 201, by scoring at or above the 60th 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 College Composition *and* by the submission of a satisfactory documented paper of 6-8 pages.

In English 200, 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.

In English 205, 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.

In English 211, 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/PEP Examination in Shakespeare.

Foreign Language Department - French, German, Spanish. Students may receive degree credit for the elementary and intermediate courses (101, 102, 201, 202) lower than the first course they complete in the Center System, if they complete the course in the Center System with a grade of B or better. Students may earn a maximum of 16 credits in this manner. Students who wish to establish credit by this method must contact the instructor at the beginning of the semester.

Students may also earn credit in French, Spanish, or German by taking the appropriate CLEP exam and placing in the 90th percentile or above. An interview in the language with a Center instructor *is also required*



before the credit may be granted. A maximum of 8 credits for the 101 and 102 courses may be earned in this manner.

Students who wish to establish credit for other courses in foreign language should contact the appropriate foreign language instructor at the Center.

Mathematics Department - A student may be granted credit for Mathematics 221 by passing a departmental examination and then completing the Center System Mathematics 222 with a grade of C or better. Interested students should contact an instructor in mathematics.

College Level Examination Program

Students may earn degree credits as a result of taking the College Level Examination Program (CLEP) General Examinations. These tests are offered by the College Entrance Examination Board. This examination must be taken prior to the completion of a student's first 16 college credits. Credit will be awarded as indicated below when a student scores at or above the 50th percentile on established national sophomore CLEP norms.

1. A maximum of six credits for the Humanities section of the general examination.
2. A maximum of six credits for the Social Science section of the general examination.
3. A maximum of six credits for the Natural Science section of the general examination. This does not satisfy the laboratory science requirement for the associate degree.

No credit will be awarded for the English or Mathematics sections of the CLEP general examination. Also, no credit will be awarded in an area in which a college course was completed prior to the taking of the examination. Any credits earned by the CLEP general examination will be recorded as such on the student's transcript.

Returning students

Students who have not attended a Center for one or more semesters must file an application for admission form, and submit transcripts of any college work attempted since their last registration in a Center. Students who were dropped or suspended at the close of their last semester of registration at the Center must secure permission to re-enter through the Office of Student Services.

Resident status for tuition purposes

The regulations on tuition for the University of Wisconsin System are in the Wisconsin Statutes. You are classified as a resident or non-resident at the time of admission to the University of Wisconsin.

If you do not qualify as a resident of Wisconsin, you must pay tuition in addition to the fees charged to students who are Wisconsin residents. (For tuition purposes, residency differs from conditions established for voting, paying taxes, etc.)

Minnesota residents 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.

Students who are classified as non-resident for tuition purposes and feel that classification is not correct should contact the Office of Student Services.

**Associate degree
requirements and
transfer procedures**



The UW Center System campuses offer an **Associate of Science Degree** or an **Associate of Arts Degree** after completion of a two-year curriculum. General Requirements for the **Associate of Arts** and **Associate of Science Degree**:

1. A minimum of 60 credits.
2. A minimum of 15 credits completed in the Center System.
3. A cumulative grade point average of 2.0 achieved in the Center System, and 2.0 overall in those credits applied by the student toward the degree.
4. Enrollment at the Center awarding the degree during the term requirements are completed.

Course Requirements for the Associate of Arts Degree:

1. English — three credits in English Composition at the English 102 level or above.
2. Mathematics and laboratory science — minimum of eight credits. A minimum of one course for credit in each. The mathematics requirement is waived for those students qualified to enter first semester calculus. If mathematics is waived, eight credits minimum is still required in the mathematics and laboratory science area.
3. Social sciences — minimum of nine credits in courses from at least two disciplines.
4. Humanities—minimum of nine credits in courses from at least two disciplines.
5. Electives.

Course Requirements for Associate of Science Degree:

1. English—three credits in English Composition at the English 102 level or higher.
2. Mathematics and laboratory science—minimum of 14 credits. A minimum of one course for credit in each. The mathematics requirement is waived for those students qualified to enter first semester calculus. If mathematics is waived, 14 credits minimum is still required in the mathematics and laboratory science areas.
3. Social sciences—minimum of six credits.
4. Humanities—minimum of six credits.
5. Electives.

See your campus' timetable or time schedule to determine which courses satisfy these requirements.

Transferring

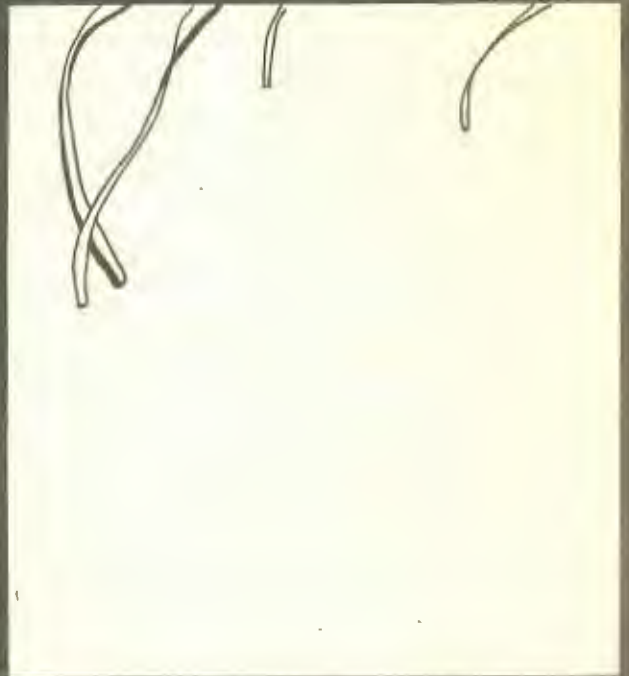
If you plan to continue your study at a four - year degree - granting institution, you are urged to make transfer decisions as early as possible.

The Center System encourages you to study catalogs and other pertinent information from the selected four-year institution in order to determine general and specific major requirements. You should consult the Office of Student Services for advice about transfer requirements, procedures, and plans. Credits earned in the Center System are University of Wisconsin credits and will be accepted as University of Wisconsin credits at other colleges.

Most four-year colleges and universities restrict the number of credits which they will accept toward a degree from a two-year school. Generally speaking you will spend your junior and senior years at the campus granting the bachelor's degree. Seventy-two credits is the upper limit that you can transfer to a UW degree-granting institution from a Center. However, many school and colleges within the University of Wisconsin have a limit that is lower than 72 credits. When you reach the half-way point in completing credits toward a bachelor's degree, you should consult with an advisor regarding the total number of credits accepted in transfer by the school from which the bachelor's degree is expected.

Transcript requests

If you wish to have transcripts sent to another institution or to yourself, the request should be submitted in writing. Forms for this purpose are available in the Office of Student Services. There is no charge for sending transcripts. However, no transcript will be furnished to any student who owes the University any fine, money, or materials or has a delinquent loan account for a loan which was obtained through the University Financial Aid Office, such as NDSL loan.



**Costs and
financial aid**

Costs*

Tuition and fees are set by the UW Board of Regents. For residents of Wisconsin, it is estimated that the 1979-1980 cost will be \$325 per semester for 12 or more credits, or \$27.00 per credit for fewer than 12 credits. The tuition for non-resident students is estimated to be \$1,295 per semester for 12 or more credits during 1979-1980, or \$108.00 per credit for fewer than 12 credits (refer to chart).

Students are also assessed a segregated or student activity fee each semester. Fees vary from Center to Center. Refer to the accompanying chart for 1979-1980 segregated fee information. Contact your Office of Student Services for specific information. To estimate tuition and fees for 1980-1981, multiply the 1979-1980 figures by 1.07.

Late fee penalty - All fees must be paid at the time of registration or during the first week of instruction.

Full-time students - A late payment fee of \$20 is charged during the second week of classes and a \$30 fee is charged during the third and fourth weeks. (After the fourth week \$30 late payment fee plus cancellation of registration.)

Part-time students - A late payment fee will be prorated for part-time students according to the following schedule:

	2nd week of classes	3rd & 4th week of classes
1- 4 cr.	\$ 5.00	\$ 7.00
5- 7 cr.	\$10.00	\$14.00
8-11 cr.	\$15.00	\$21.00

Refunds for withdrawals

Fees and tuition will be refunded according to the following schedule:

before or during the first week of class	2nd week	3rd week	4th week (thereafter)	
	100%	80%	60%	40% no refund

Payment schedule for withdrawals, cancellations or registration or drops without payment of fees.

1st week of classes	2nd week	3rd week	4th week (thereafter)	
no charge	\$20 plus 20% of original fee.	\$30 plus 40% of original fee.	\$30 plus 60% of original fee.	\$30 plus full fee.

Costs per Semester UW CENTER SYSTEM (1979-1980)* Full Time Students

	Resident			Non-Resident		
	Tuition Fees	Segregated Fees	Total	Tuition Fees	Segregated Fees	Total
UWC-Baraboo/Sauk County	325	42	367	1295	42	1337
UWC-Barron County	325	55**	380	1295	55**	1350
UWC-Fond du Lac	325	40	365	1295	40	1335
UWC-Fox Valley	325	35	360	1295	35	1330
UWC-Manitowoc County	325	35	360	1295	35	1330
UWC-Marathon County	325	32	357	1295	32	1327
UWC-Marinette County	325	41	366	1295	41	1336
UWC-Marshfield/Wood County	325	36	361	1295	36	1331
UWC-Medford	325	41.25**	366.25	1295	41.25**	1336.25
UWC-Richland	325	90**	415	1295	90**	1385
UWC-Rock County	325	32	357	1295	32	1327
UWC-Sheboygan County	325	32	357	1295	32	1327
UWC-Washington County	325	36	361	1295	36	1331
UWC-Waukesha County	325	35	360	1295	35	1330

** includes textbook rental

*Subject to change without notice. Check with your Center's Student Services Office for specific information. Estimated 1979-1980 fees, based upon 6% increase over 1978-1979 rates, subject to change without notice.

The University of Wisconsin Center System operates a comprehensive financial aids program to assist students whose personal and family resources are not sufficient to meet the cost of attending college. Counseling is also available at each Center to help students manage their money to and provide information on all sources of financial assistance.

Eligibility requirements

1. U.S. citizenship or permanent residency status.
2. Be accepted for admission to a Center System Campus. Students must enroll for 6 credits or more to receive aid. Students with less than 12 credits, however, will receive a reduced amount of aid.
3. Demonstrate financial need.
4. Must not be in default on any educational loan or owe any money to the University.

Students who already have a Baccalaureate degree cannot be considered for grant funds, but will be eligible for the loan or work programs.

Applying for aid

Every student who wishes to receive aid must file the Financial Aid Form (FAF). (Forms are available in the Office of Student Services.) Students should be sure to indicate in the appropriate place on the FAF that they wish to be considered for the Basic Grant. The Office of Education will then send the student a Student Eligibility Report (SER) indicating eligibility for a Basic Grant. This SER must be turned in to the Financial Aids Office, even if it indicates the student is ineligible for a Basic Grant. Consideration for other funds will not be made until the SER is turned in.

New students: Should file the University of Wisconsin System Application for Admission and indicate in the appropriate section that you want to apply for financial aid. This form is available at high school guidance offices and all University of Wisconsin campuses.

Continuing students, transfer students, re-entry students and self-supporting students: File the UW Center System Financial Aids Application. Transfer students must also file a financial aid transcript from the previous school (s). These forms are available at all Center System campuses.

When to apply

Students should plan to apply for aid after January 1, and before March 1 if possible. These students will be notified of their awards by May 30. Applications for aid will be accepted after March 1 through the sixth week of classes each semester, but students applying for aid after March 1 are considered on a first-come, first-serve basis and risk losing grant funds which may become depleted. Students applying after March 1 will be notified of awards as soon as possible. Applicants for summer school aid should apply prior to March 1 using the forms for the following academic year.

Students must reapply for aid each year. Students planning to transfer to another school between semesters should apply at the second school also because funds do not transfer between institutions.

Costs

Student financial aid awards are based on uniform budgets to assure a fair and reasonable distribution of funds. Individual expenses may vary, but aid awards for the 1979-80 academic year will be based on budgets close to the following estimates. Self-supporting students and students with dependents are placed on uniform budgets also, but those budgets are constructed according to individual variables and are not listed below. If you are interested in detailed information regarding those budgets, contact your Center's Financial Aid Officer.

Dependent Budgets	Living with parents	Living away from home
Tuition*	\$740.00	\$740.00
Books	\$170.00	\$170.00
Transportation	\$495.00	\$315.00
Room & Board	\$675.00	\$1710.00
Miscellaneous	<u>\$540.00</u>	<u>\$545.00</u>
	\$2620.00	\$3480.00

*Wisconsin residents

Budgets for 1980-81 can be estimated by multiplying by 1.08 to allow for inflation. Non-residents of Wisconsin should add about \$1975 to the tuition figure.

How awards are calculated

All awards made by the Center System Financial Aids Office are based on need. Need is defined as the difference between the total academic year cost of attendance and the amount that a student and his/her family can reasonably be expected to contribute toward that cost. The resources considered to be available to a student are calculated using the information provided on the FAF. For a detailed explanation of this methodology see *Meeting College Costs*, a pamphlet published by the College Scholarship Service and available at high school guidance offices and college financial aid offices.

To arrive at the total amount of a student's financial aid award, the total amount of resources available is subtracted from the applicable budget. A sample case is provided below to illustrate this concept.

Sample Case: Four member family with both parents working.

1978 total income	\$15,520
Total assets (equity)	\$26,740
Parents' expected contribution	\$380
Student expected contribution	\$500
Total family contribution	\$880

	Student living at home	Living away from home
Budget	\$2620	\$3480
Family contribution	<u>-880</u>	<u>-880</u>
Need	\$1740	\$2600

Students are offered sufficient aid to cover calculated need in almost all cases. Exceptions include extremely high need cases, typically involving additional dependents, and cases where students may have exhausted eligibility in certain programs. Students with need may be offered a combination of grants (gift aid), loans, and Work-study to cover the need. Wherever possible, students are offered a choice between loan and Work-study. The aid packaging rules are set up to give each needy student the best possible combination of available aids. The following sample awards are estimates of likely 1979-80 awards which can only be used for illustrative purposes, since funding levels vary from year to year.

	Student living at home	Living away from home
Budget	\$2620	\$3480
Need	\$1740	\$2600
Grant Aid	\$1200	\$1550
Loan or work	<u>\$ 540</u>	<u>\$1050</u>
Total Aid	\$1740	\$2600

While it is apparent that the student living away from home receives more money, students are cautioned against moving out simply to get more money. Expenses associated with living away from home are much higher due to housing costs, and the out-of-pocket portion of food and miscellaneous expenses may also be significantly higher. Also, the higher budget is associated with a higher level of loan, which must be paid back, and Work-study, which must be earned.

Types of aid available

Grants

BASIC EDUCATIONAL OPPORTUNITY GRANT (BEOG) is a federal grant program. It entitles students to grants up to \$1800 depending upon the cost of Education and need as determined by the Basic Grant Program. All students who apply for financial aid are required to apply for this program.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG) is a renewable federal grant program which enables the Center System to award gift assistance to financial aid applicants with the greatest need. The maximum grant amount is \$1500 per year. Students can be awarded a SEOG of up to one-half of their need. However, the total of other aid awarded to a student must equal the amount of the SEOG.

WISCONSIN HIGHER EDUCATION GRANT (WHEG) is state gift aid available only to Wisconsin residents who demonstrate financial need. The maximum amount that students can be awarded under this program is \$1500 per year.

Scholarships

Local scholarships are funded by community contributions and private sources. Interested students should contact their high school counselors and the Student Services Office to determine if they are eligible to receive any of these funds.

Loans

NATIONAL DIRECT STUDENT LOAN (NDSL) is a federal loan program which enables the Center System to offer low interest loans to students who demonstrate financial need and are enrolled as at least half-time students. No interest accrues until the repayment cycle begins nine months after a student graduates, leaves school, or drops below half-time student status. The interest rate during the repayment period is three percent per annum simple interest. Deferment of payment is available for service in the Peace Corps, Vista, or the Armed Services. Cancellations of various portions of the loan are available for teaching low-income students, for teaching handicapped students, for Head Start teachers, and for military service in a combat zone.

GUARANTEED STUDENT LOAN (GSL) is a federal loan program available to students carrying six credits or more. This program is a non-need based program designed to supplement other aid programs and for students who are ineligible for need based aid. It has a yearly maximum of \$2,500 and an undergraduate maximum of \$7,500. Interest is 7%, but neither interest nor payments begin until a student leaves school. This loan is obtained by the student through a private lending institution such as a bank, savings and loan or a credit union. Wisconsin residents who are refused a loan through a private lender should contact their campus aid officer. The State will act as lender where Wisconsin residents cannot locate a private lender.

Students who wish to receive any of the need based funds listed on these pages should refrain from applying for this program until their FAF is processed and they receive notification of their eligibility for aid from the other programs. Applying for the GSL first could disqualify a student from receiving grant aid.

Employment

WORK STUDY is a federal program which offers part-time employment to students who demonstrate financial need. Students who are enrolled half-time or more are eligible and may be employed either on campus or by off-campus nonprofit agencies.

REGULAR STUDENT PAYROLL. There are some jobs available on campus. Contact the Student Services Office for details about jobs which may interest you. These jobs may or may not be given out on the basis of need, depending on the types of jobs and funds available.

Other aid programs

LAW ENFORCEMENT EDUCATION PROGRAM provides federal grant aid for persons who are full-time employees, or employees on leave, of law enforcement, corrections, or court agencies. The grant covers the cost of tuition and is not based on financial need. Grant recipients must sign a written agreement to remain in full-time public law enforcement employment for two years following the receipt of the grant. Applications are available in the Student Services Office and should be completed during registration week.

INDIAN AID. The Bureau of Indian Affairs and Indian Assistance Grants from the State of Wisconsin provide grants to Native American students who are at least one-quarter blood Indian and who demonstrate need. Applications are available from high school counselors or the Office of Student Services.

VOCATIONAL REHABILITATION. Students with physical or mental handicaps may be eligible for student benefits from the Department of Vocational Rehabilitation. This aid is entirely in the form of grants. Contact your local office of the Department of Vocational Rehabilitation for more information.

Veterans' Benefits

The University of Wisconsin is an approved institution for training veterans under the provisions of all student assistance programs for veterans. Some of the federal and state veterans assistance programs to students are listed below. For more complete information, contact the Veterans Administration regional office in Milwaukee or the campus Student Services Office.

Federal Veterans' Benefits

GI BILL. Vietnam-Era veterans have 45 months of GI Bill eligibility, but this benefit expires ten years after release from active duty. Payments are \$311 per month for full-time single students and \$370 for married students, with additional amounts for children. A veteran must plan to carry at least a half-time course load to qualify for the GI Bill. Advance payments are available to help defray costs which are concentrated at the beginning of the term.

TUTORIAL ASSISTANCE. Any veteran who is carrying at least a half-time course load is eligible for reimbursement for the cost of a private tutor (as much as \$60 per month up to a lifetime maximum of \$720).

WORK STUDY. Payments of up to \$625 per semester are available to students who provide service to a VA project.

The rate of pay is \$2.90 per hour and a total of \$1875 can be earned per year.

VOCATIONAL REHABILITATION. Veterans with a service-connected disability rating of 30 percent or greater are eligible to go to school under the vocational rehabilitation program. Students in this category may choose either the vocational rehabilitation benefits or the regular GI Bill, but not both. Students may, however, switch from one program to the other.

WAR ORPHANS. Dependents of veterans with a 100 percent disability or of deceased veterans may receive monthly benefits until age 22 if enrolled in school. Contact your county veterans's service officer.

SOCIAL SECURITY BENEFITS. If you are a dependent or a spouse of a retired, deceased, or disabled person under Social Security, you may be eligible for monthly education benefits while enrolled in college up to age 22. Contact your local Social Security Administration Office. Audited courses are not used in determining full time attendance for Social Security certification.

STATE VETERANS' PROGRAM

In order to be eligible for State veterans' benefits, you must have been a resident of Wisconsin at the time of your enlistment.

FULL-TIME STUDY GRANTS. Vietnam-Era veterans maintaining a full-time course load are eligible for this grant. Single students receive \$200 per year and married students \$400.

PART-TIME STUDY GRANTS. Part-time Wisconsin veterans carrying 11 credits or less may be reimbursed in full for tuition and books.

ECONOMIC ASSISTANCE LOANS. Veterans are eligible to borrow up to a maximum of \$3,000 for educational purposes. Interest is charged at the rate of three percent per year from the date of the note. Deferment of payments can be arranged while the veteran is still in school.

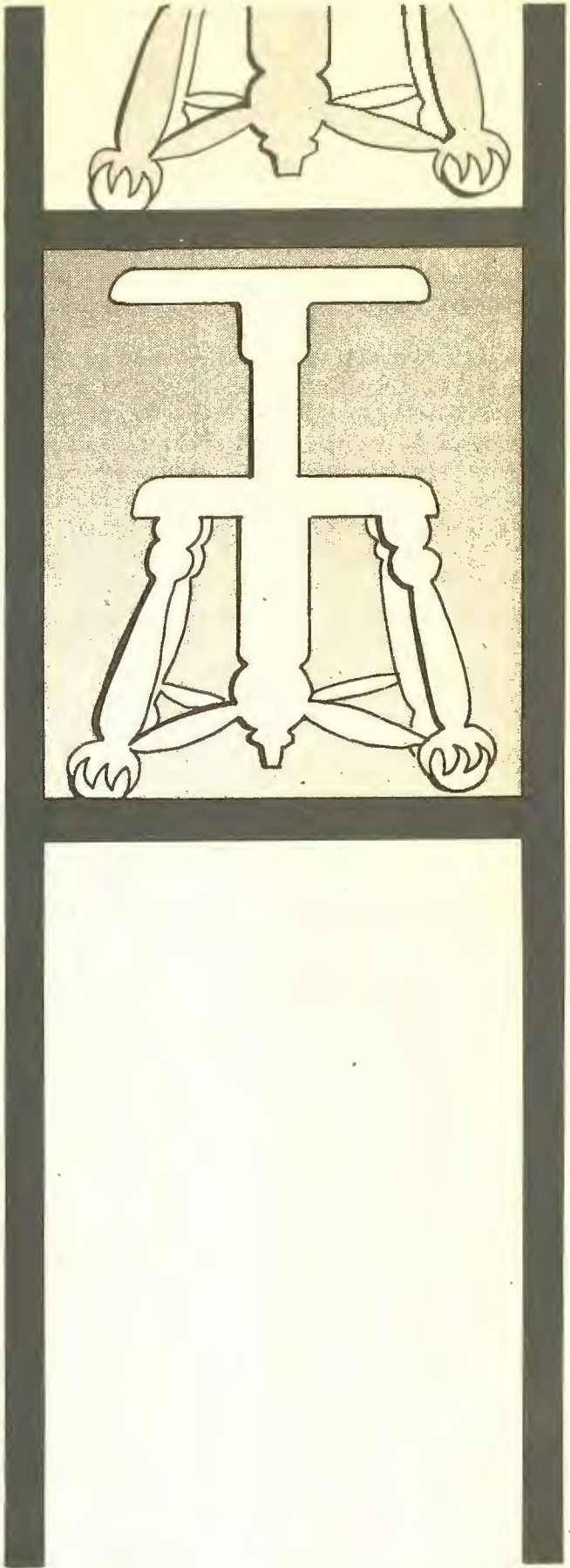
Veterans obligations

In compliance with the regulations of the Veterans Administration, the Center System has adopted the following procedures to notify the VA of the academic progress of any student or eligible person (s) receiving benefits from the G.I. Bill:

The Center will notify the VA within 30 days after the Center is aware that a student's attendance status has changed. The student is obligated to notify the Student Services Office at the Center of any change in program which will affect the student's G.I. Bill benefits. For students who fail to notify the Student Services Office that they dropped a course or courses, and the end-of-semester grade report indicates the possibility of non-attendance, the Center will check with each instructor concerned to ascertain the last day of attendance. In the event that an instructor's records do not provide a last date of attendance, the Center will request a statement from the veteran or eligible person (s). End-of-semester grade reports will be checked if there is more than one grade of Incomplete, FN (failure of non-attendance), or Fail. Audited courses are not used in determining full-time attendance for Veterans Administration. The VA will be notified of all withdrawals or changes of program which affect the veteran's benefits.

The VA will also be notified of the academic progress of each veteran of eligible person (s) who has less than an over-all or cumulative "C" average at the end of the semester if the student was on probation prior to that semester. If a veteran or eligible person (s) has signed up for a course on a Credit/No credit basis, the actual grade given by the instructor will be used to compute the grade point average to be reported to the VA. VA regulations, in some cases do not allow students to repeat courses and receive benefits based on those credits being used to determine eligibility for full benefits. The Center will notify the VA if a veteran receives grades of failure in all courses taken during a semester.

The above procedures will be followed for all veterans or eligible person (s). It is possible for a student to be allowed to continue at the Center even though the student's academic progress results in a termination of VA benefits.



**Procedures and
regulations**

Class attendance

Instructors shall inform their students of the instructors' expectations regarding class attendance. Students are responsible for completing all work missed because of any absences from class. If students plan to be absent from class because of field trips or extracurricular activities sponsored by the Center, the faculty member in charge of the activity shall provide such information to the other instructors whose classes will be missed.

Definition of credit

Credit is expressed in semester hours. A credit of one semester hour normally represents 1) an investment of time by the average student of not fewer than 48 hours for class contact in lectures, for laboratory, tutorials and recitation, and for preparation and study; or 2) a demonstration by the student of learning equivalent to the expected product of such study.

Credit load

Students carrying a 16-credit load should ordinarily expect to work more than 40 hours a week at their studies.

The maximum credit load for freshman students is 17 credits a semester; for sophomores, the maximum is 18 credits.

In summer sessions, the maximum credit load is nine credits for any and all work taken during the summer, whether in an eight week session and/or any combination of shorter sessions. For a four week session, the maximum credit load is four credits.

Students who wish to exceed these limits must have approval of the Office of Student Services, or the advisor.

Suggested credit load for employed students

Students who are working should seriously consider registering for reduced loads. The following table gives guidelines:

Credits	Employment Hours Per Week
15	10
14	13
13	16
12	19
11	22
10	25
9	28
8	31

All students are advised to adhere closely to the above suggestions, especially first semester freshmen.

0 Credit courses

Some courses are offered for 0 degree credits. If a student takes a course for 0 credits, a grade will be recorded. The student is expected to do all of the assigned work in a course taken for 0 credits. Courses taken for 0 credit count in the credit load on the basis of fees assessed for the course (s).

Non-degree credit

Some courses listed in this catalog are offered for non-degree credit. Examples are Math 081 and 091 which are high school algebra and geometry. Such courses will not be counted toward the associate degree and are not used in determining a grade point average for any purpose. When shown on a transcript, they are designated with the symbol "N" in the credit column. The explanatory material, which accompany each transcript, indicates that an "N" signifies a non-degree credit course.

Grading system

Semester grades are reported by letter only. Each letter grade carries a specified number of grade points per credit; thus a B in a three credit subject gives nine grade points. The scale of grades and grade points is:

Grade	Grade Points
A (Excellent)	4.00
A-	3.67
B+	3.33
B (Good)	3.00
B-	2.67
C+	2.33
C (Fair)	2.00
C-	1.67
D+	1.33
D (Poor)	1.00
D-	0.67
F (Fail)	0.00
FN (Fail - not attending)	0.00

The following notations are also used on grade reports:

I - Incomplete

R - Repeat. Used in first semester freshman English and developmental courses when the student is making progress but has not mastered the subject and must repeat the course.

CR - Credit

NC - No Credit

AU - Used when student has audited the course.

FN - Used when failure to officially drop or withdraw is the reason for the lack of a passing grade.

Credits for sophomore Standing

Students reach sophomore standing when they have earned 30 credits.

Auditing a course

A student may wish to audit a course to gain whatever knowledge and understanding is available by sitting in on a class. A student who wishes to audit a course must have the consent of the instructor concerned. Auditors may not expect to take examinations nor may they expect to have any course work evaluated by an instructor.

Audited courses carry no degree credit and are not counted in the student's grade point average. Audited courses do not count toward full-time attendance for purposes such as certification of full-time attendance for Social Security or Veterans' Administration benefits.

Students may change from audit to credit status in a course during the same time period allowed for adding a class, or they may change from credit to audit status during the time period allowed for dropping a class.

A course which has been audited may be repeated for credit at a later time.



Concurrent registration

Students may enroll in courses at more than one Center System campus at no extra charge.

A student may take a course by correspondence through University Extension, if the course is not available at the Center. Full-time students may take such a course at no additional cost except for fees for text materials purchased through Extension and a \$1.00 registration fee. Students should contact the Office of Student Services for a list of such courses and the appropriate forms. Registration for such a course should take place no later than the first week of classes. At present, this may be done during the regular academic year but not as a part of the summer session.

Students registered at a Center and a four-year unit of the University of Wisconsin must register and pay fees at each campus. These students can request, from the Chancellor's Business Officer, a reimbursement when fees are paid in excess of the full-time rate.

Incompletes - when given

An Incomplete may be reported for a student who has carried a subject with a passing grade until near the end of the semester and then, because of substantiated cause beyond the student's control, has been unable to take the final examination or to complete a limited amount of term work.

It is the responsibility of the student to consult with the instructor to reach an understanding regarding the work to be completed. The instructor will then file a detailed report of the work which must be completed in order for the student to finish the course, and a deadline date for completion. The format of that report and the place of filing will be determined by the individual Center.

Incompletes - removal

The student must decide whether to attempt to complete the work and earn a grade of other than Incomplete, or to have the Incomplete remain as the permanent course grade. The completion of the work will normally be no later than the end of the next semester during which the student is registered. Exceptions to this normal time period, for unusual circumstances, may be made by mutual agreement of the student and instructor concerned with written notification to the Student Services Office. The student may elect to remove the Incomplete by repeating the course, in which case the regulations for repeating courses will apply.

Credit - no credit

The Center System offers the privilege of taking courses on a credit-no credit basis. (Some schools call this the pass-fail system.) The purpose is to permit the student to take elective courses to explore a field or subject without regard for the letter grade earned in the course. Only the elective courses applicable to the Associate Degree may be taken on the credit-no credit basis. The results of any course taken on this basis will not affect a student's grade point average.

All students are eligible to elect one course on the credit-no credit basis per semester (including summer session) with a maximum of two such courses per year while a freshman, and two courses while a sophomore.

Instructors will report letter grades for all students. The registrar will convert letter grades of A, B, C or D to Credit (CR) and a grade of F to No Credit (NC). CR or NC grades will not be counted in the grade point average for any purpose. Credits in a course for which a CR is recorded will count toward a total number of credits earned.

If a student elects to take a course on this basis, the decision must be made within the same time as for adding a class.

Repeating courses

A student does not have to repeat a course in which a Failure was received unless the student wants to use that course to meet degree requirements.

If students elect to repeat courses to improve their grade point averages or to build better foundations before taking succeeding courses in a discipline, they may do so.

There is no limit on the number of times that a course may be repeated; all attempted courses and all grades awarded will appear on the record, including all times that a repeated course was taken.

Students who wish to repeat a course taken at a Center in order to improve their grade point average must file a "Course Repeat" form at the time they register for the course. If a "Course Repeat" form is filed, only the most recent credits attempted and grade points earned will be used in computing the cumulative grade point average.

Students who are repeating courses must file a "Course Repeat" card.



Grade point average

The general quality of a student's work is expressed in terms of a grade point average, which is defined as the total number of grade points earned divided by the total number of credits attempted. The highest possible grade point average is 4.0 which represents a grade of A in every subject attempted; the lowest, zero which represents a grade of F in every subject attempted.

However, credits in which the student received a grade of Incomplete, R (Repeat), CR or NC will not be included in the grade point average. If a student elected to attempt to complete a course in which a grade of I (Incomplete) was received and removed the Incomplete, the credits and grade points for that course are to be included when figuring the g.p.a. for the semester in which the Incomplete was removed.

Mid-term and final grades

Adequate interim evaluation of a student's progress and notifying the student of that progress is a responsibility of the instructor. This interim evaluation should reflect the student's progress through the first eight weeks of the semester.

Each instructor will provide interim grades to the student and the Student Services Office no later than the beginning of the ninth week of classes.

Final grades must be reported by the instructor within 72 hours after the final examination.

No grade changes may be made other than by the instructor who gave the original grade, or by colleagues in the same discipline if the instructor is not available to assign a grade upon removal of an Incomplete. However, such grade changes must be reported on the appropriate form. All changes of grade forms, except in the case of an Incomplete removal, are to be signed by the Dean.

Final examinations

Final examinations must be given at designated times. If students have more than two examinations on one day or two examinations scheduled for the same time, they should make arrangements with one of the instructors concerned to take one of the examinations at an alternate time. If such arrangements cannot be made, the instructor of the course of lower enrollment shall provide an alternate examination time.

Honors or Dean's List

Each Center may publish a Dean's List to honor students with high grade point averages each semester. Honors will be awarded to students carrying a minimum of 12 credits as follows:

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

Students may request that their names be deleted from the Dean's List.

Dropping courses

A course or courses may be dropped without penalty during the first ten weeks of a semester, during the first five weeks of an eight week summer session, and a proportionate time for shorter sessions. The change form must be completed by the student, signed by the instructor and the advisor, who must honor the student's request for signature. Official withdrawal from a course may be made only by completion of a change of program form. Merely discontinuing attendance will result in an official grade of FN being recorded.

A student may change from credit to audit status with the same time limits.

Refund of student tuition is governed by the Regent Fee Schedule which is issued on an annual basis. The date upon which a student completes the drop or withdrawal form and returns it to the appropriate Center office is the date used to determine any applicable refund of tuition.

Adding courses

A student may add a course (s) by completing the appropriate form during the first two weeks of a semester, the first week of an eight week summer session, and during a proportionate time for shorter sessions. The change form must be signed by the instructor and the advisor. A course may be added after the second week of classes if the change of program is necessitated by dropping a course and substituting a lower-level course in the same discipline.

Exceptions to the time limit may be made only with the written consent of the instructor concerned.

Late registration

The student may register late under the same regulations as for adding courses, subject to any fine for late registration which is in effect under Regent policy.

Withdrawals - complete

Students may officially withdraw without prejudice to their records by completing the appropriate form during the first 12 weeks of a semester or the first six weeks of an eight week session or the appropriate time for shorter sessions.

The withdrawal form must be signed by the student and other appropriate persons as determined by each Center.

Students who do not complete the withdrawal form and obtain the appropriate signatures, or have some other appropriate person complete it, will receive a grade of "FN" in all courses for which they are registered.

Refund of student tuition is governed by the Regent Fee Schedule which is issued on an annual basis. The date upon which a student completes the drop or withdrawal form and returns it to the appropriate Center office is the date used to determine any applicable refund of tuition.



Probation/Retention/ Suspension

1. Students who enter the Center System without a probationary action as a condition of admission are placed on probation if they fail to meet the following grade point averages:

Total credits attempted	Cumulative GPA
12 - 17	1.6
18 - 48	1.8
49 and above	2.0

If a student is placed on probation, that student must make the appropriate cumulative grade point average the following semester or be placed on final probation.

Students on final probation must make the appropriate cumulative grade point average or be dropped for one semester, except that students with a 2.0 for the semester will be continued on final probation.

2. Students who transfer into the Center System from another college (s) on probation must earn the appropriate cumulative grade point average on work taken in the Center or they will be placed on final probation.

Students who transfer into the Center System on final probation must earn the appropriate grade point average or be suspended for one semester.

Some students are admitted with a final probation "plus one year" clause. Such students must earn a satisfactory grade point average or be suspended for at least one year.

3. Students who have been dropped from the Center System and readmitted on final probation must earn the appropriate cumulative grade point average or they will be suspended for one year.

However, if the student is readmitted on final probation and earns a 2.0 GPA in that semester, the student will not be suspended and will be continued on final probation.

4. In addition to the above provisions for suspension, any student will be suspended at the end of any semester, other than the first semester in the Center System, whether on probation, final probation or not on probation at all, if the student fails to meet the following standard for that semester:

Total credits attempted	Semester GPA
12 - 17	0.75
18 & above	1.00

5. Clearing Probation. When a student earns the appropriate cumulative grade point average for the number of credits attempted, that student will clear probation.

Students who transferred to the Center System on probation must earn a minimum of 15 credits in the Center System before clearing probation.

6. No suspension action is taken for any student during the first enrollment in the Center System unless that student was admitted on final probation.
7. No action is taken as a result of grades earned during a summer session.
8. When a student transfers from one Center to another, all credits attempted at any Center are considered in determining probationary actions. When a student transfers to a Center from any other college (s), the original probationary action, if any, is determined by applying UW Center System standards to the previous records. After that time, only credits attempted and grade points earned in the Center System are used to determine probationary and suspension actions.

Appeals

A student may ask for an exception to any academic regulation. The method of handling such exceptions will be determined at each Center; normally the appeals will be handled by an academic actions committee.

The Academic Regulations are subject to change. The Office of Student Services can provide specific and up-to-date information.

Student Discipline Guidelines

All students in the U.W. System are governed by the *Student Disciplinary Guidelines* (UWS 17), a copy of which is available in each Center library. The Director of Student Services will be glad to explain any part of these *Guidelines*. The paragraphs which follow outline the procedures by which these *Guidelines* will be applied in the Center System, 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 University with regard to its teaching, research and public service missions, as well as the need to observe every student's procedural and substantive rights. Acts which obstruct the University 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 University property, personnel, or activities is defined as non-academic. Action (s) 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 or expulsion are examined under a formal adjudication procedure. Those offenses which would not warrant suspension or expulsion are examined under an informal adjudication procedure. Academic misconduct is examined under an academic adjudication procedure.

Suspension or expulsion is University systemwide in effect. 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 student has been suspended or expelled.

Whenever charges or appeals are pending, the student (s) charged, unless temporarily suspended, continue (s) 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 request of the student, but it may contain the notation "Disciplinary Charges Pending" on the face of it.

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



Rights to Access to Student Education Records

You are entitled to review those records, files, documents, and other materials, defined as "education records," directly related to you, which are maintained by the University. This is pursuant to 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 Center has 45 days to comply with your request.
2. You do not have access to certain kinds of information excluded by the Act: (a) personal notes of Center staff and faculty; (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; and (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 Center include, but are not confined to, the following:

- (1) high school and college transcripts and other educational records submitted by the student along with application for admission;
- (2) scores of placement tests, and ACT or SAT scores if student requested that a copy be sent to the Center;
- (3) records of registration and grades for each term;
- (4) requests of the student for re-instatement, special permission to withdraw after deadlines, etc. with the action that was taken in response to the request;
- (5) other records except those to which a student does not have access as outlined in 2 above.

"Education records" maintained by the Registrar include:

- (1) record of registration
- (2) subjects carried and grades earned

After reviewing your records, you may challenge any information contained in your "education records" which 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 in your records. You may also insert a statement in your record 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 Dean of the Center.

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.

Should you wish, in the process of challenging your record, to have copies of any documents in your file, there will be a charge of \$1.00 for a copy of each document. This charge does not apply to copies of your transcript.

You are further advised that, under the Act, this Center 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, participation in officially recognized activities and sports, weight and height of members of athletic teams, most recent previous educational agency or institution attended, 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. Moreover, you have the right to inform the Center that any of the italicized information may not be released without your prior consent. If you choose to have directory information restricted or additional information released, you should file the appropriate request form in the Student Services Office.

No information from your education record will be released to a third party, except as provided by law, without a signed release from you. If a request from a third party does not include your signed release, you will be notified of the request and given an opportunity to sign such a release. If a judicial order for your education record is issued, you will be notified prior to the release of the information.

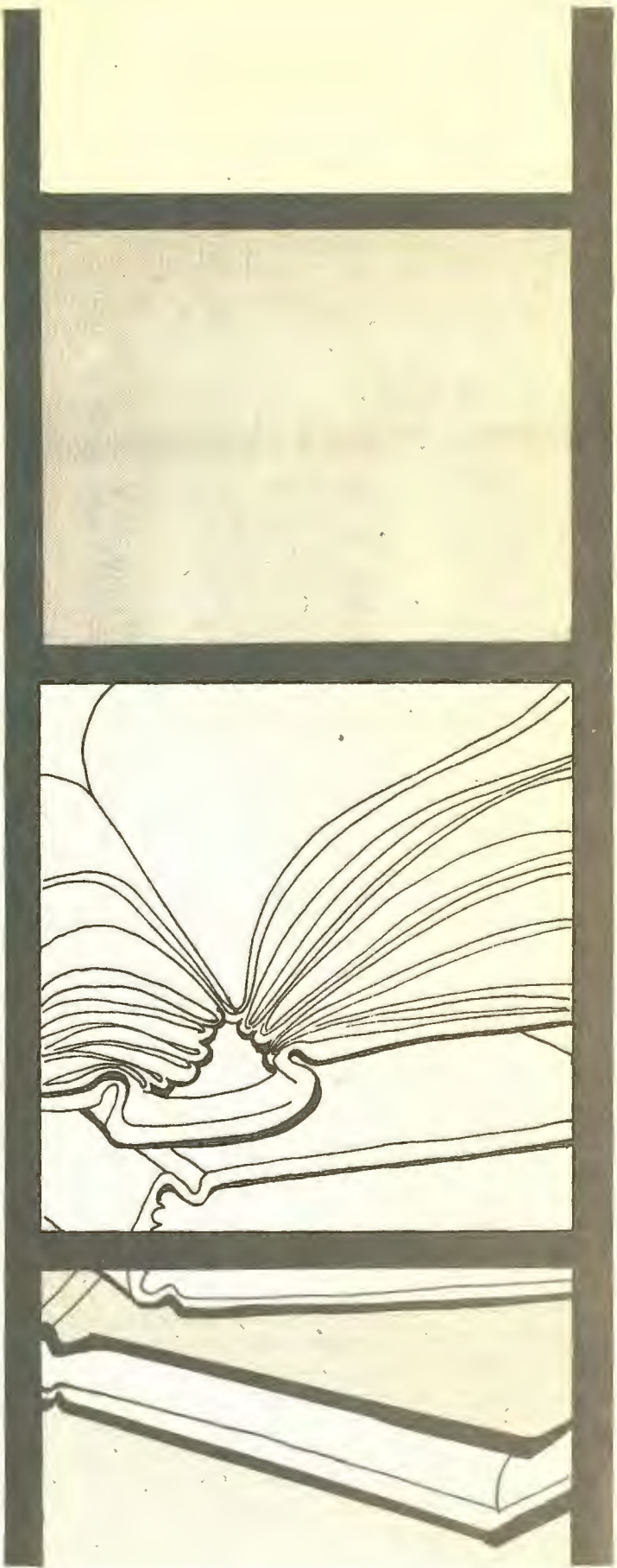


A statement, "This is confidential information not to be released to other parties without a written release from the student, as provided for under the Family Educational Rights and Privacy Act of 1974," will be attached to any information provided from your education record.

The law provides that school officials with a legitimate educational interest may have access to your record.

"School officials" shall be defined as any member of the faculty or staff of the Center. Legitimate educational interest is defined as an activity designed to further the educational career of the student and to enable the school to improve its instructional program.

A copy of the Family Educational Rights and Privacy Act of 1974, as amended, is available in the Student Services Office and the Library.



Course descriptions

Course offerings

Departmental Abbreviations

ANT	Anthropology
ART	Art
AST	Astronomy
BAC	Bacteriology (See Biology)
BOT	Botany (See Biology)
BUS	Business
CHE	Chemistry
COM	Communication Arts
CPS	Computer Science
CZH	Czech (See Foreign Languages)
ECO	Economics (See Business & Econ.)
EDU	Education
EGR	Engineering
ENG	English
FOR	Forestry (See Natural Resources, Biology)
FRE	French (See Foreign Languages)
GEO	Geography
GER	German (See Foreign Languages)
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 end of Geology listing)
MLS	Military Science
MUA	Music, Applied
MUS	Music
NAT	Natural Resources (See Biology)
PED	Physical Education
PHI	Philosophy
PHS	Physiology (See Biology)
PHY	Physics
POL	Political Science
PSH	Polish (See Foreign Languages)
PSY	Psychology
SOC	Sociology
SPA	Spanish (See Foreign Languages)
ZOO	Zoology (See Biology)

On the following pages you will find descriptions for courses offered throughout the entire Center System. *No campus offers every single course listed here; many of the courses are offered at only one or two of the campuses.* Yet, all campuses offer the essential freshman-sophomore curriculum to prepare students for all major fields of study.

For a list of the courses offered at your campus, check the proper section of this catalog and your campus' timetable.

Anthropology

General:

ANT 100 General Anthropology. 3-4 cr. A course planned to give the student a general understanding of man in relation to the culture he has built. Deals with man's evolutionary development, his capacity for society, and the development of the world's major cultures. Prerequisite: None.

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. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 293 Proseminar in Anthropology. 1-4 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 indicated in the campus timetable. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 299 Independent Reading and Research in Anthropology. 1-4 cr. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

Cultural:

ANT 102 Introduction to Man, Culture, and Society. 3-4 cr. Science of human behavior in different cultural contexts; man's biological and cultural variability, human societies of the present and recent past, culture as man's major mechanism of adaptation. Prerequisite: None.

ANT 200 Cultural Anthropology. 3-4 cr. Variations of human cultures throughout the world and the comparative study of human institutions. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 204 Survey of World Ethnography. 3-4 cr. Ethnographic survey of representative societies and their cultures in recent times; major regions of the world considered in turn, with some attention to environmental factors and culture area classifications. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 330 Topics in Ethnology. 3-4 cr. Selected problems, areas, or literature in the context of contemporary theory and method. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

Biological:

ANT 105 Introduction to Physical Anthropology. 3-4 cr. Survey of human biological and cultural evolution; viewed from the focus of human genetics, paleontology, man's relationships to the other primates, prehistory, and archaeology. Prerequisite: None.

ANT 201 Physical Anthropology Laboratory. 3-4 cr. Lab training in the techniques of description and analysis of human morphological and serological variations. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 303 The Human Skeleton. 3-4 cr. Individual bones and teeth; sex, age, and variation; stature reconstruction; continuous and discontinuous morphological variations; forensic aspects of individual identification; lab training in observations, measurement, and analysis; lecture and lab. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 408 Introduction to Non-Human Primates. 3-4 cr. Basic aspects of the nonhuman primates; geographical distribution, ecology, morphology, locomotory and social behavior, reproduction and development, evolution. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

Prehistory:

ANT 202 Survey of World Prehistory—Origins of Civilization. 3-4 cr. Development of human culture from its earliest beginnings to the historic period in the Old World as revealed by archaeological studies. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

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. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 308 Archaeology of North America. 3-4 cr. Main pre-Columbian cultures and evidences of ancient man on the North American continent north of Mexico. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

Topical and culture area courses:

ANT 314 Indians of North America. 3-4 cr. Description and analysis of native cultures, and the role of environmental and historical factors in North America. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

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 of Wisconsin. Prerequisite: Anthropology 100, 102 or 105, or consent of instructor.

ANT 399 Peoples and Cultures of Selected Culture Areas. 3-4 cr. A selected subarea study of cultures in terms of prehistoric development, periods of historic contact, and present problems of acculturation. Includes principal ecological and historical factors influencing their development. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.

ANT 400 Introduction to Methods and Theory in Anthropology (Sociocultural, Biological, or Archaeology). 3-4 cr. Introduction to methods, techniques and theoretical assumptions employed within the designated major subdisciplines of anthropology: sociocultural, biological, and archaeology. Includes design of field studies, techniques and methods of data collection, analyses of data, and experimental projects. Prerequisite: Anthropology 100, 102, or 105, or consent of instructor.



ART

ART 101 Drawing. 3 cr. Principles of creative and structural drawing; an investigation of the methods and materials of draftsmanship and expression. A lecture-lab class that meets 6 hours per week. Prerequisite: none.

ART 102 Drawing II. 3 cr. Continuation of Art 101. Lecture-lab, 6 hours per week. Prerequisite: Art 101.

ART 103 Drawing III. 3 cr. Continuation of Art 102; emphasis upon the academic discipline in drawing. Lecture-lab, 6 hours per week. Prerequisite: Art 102.

ART 111 Two Dimensional Design. 3 cr. Basic elements of design; arrangement of line, color, value, texture. Lecture-lab, 6 hours per week. Prerequisite: none.

ART 112 Three Dimensional Design. 3 cr. Basic elements of design; introductory experiences in the use of volume and spatial arrangement. Lecture-lab, 6 hours per week. Prerequisite: none.

ART 113 Layout and Lettering. 3 cr. Letter style and typographic design applied to various modes of visual communication. Lecture-lab, 6 hours per week. Prerequisite: none.

ART 121 Introduction to Painting. 3 cr. Basic media for painting; acrylic, oil, watercolor, casein—a foundation course. Lecture-lab, 6 hours per week. Prerequisite: Art 101, 111; or consent of instructor.

ART 131 Introduction to Sculpture. 3 cr. Basic experiences in various media for sculpture. May include: clay modeling, mold

making and casting, welding and building—a foundation course. Lecture-lab, 6 hours per week. Prerequisite: Art 101, 112; or consent of instructor.

ART 141 Introduction to Graphics. 3 cr. Studio survey of relief printing, intaglio, lithography, and serigraphy—a foundation course. Lecture-lab, 6 hours per week. Prerequisite: Art 101, 111; or consent of instructor.

ART 151 Introduction to Crafts. 3 cr. Studio survey of various craft media. May include: weaving, leather, metal—a foundation course. Lecture-lab, 6 hours per week. Prerequisite: Art 101, 112; or consent of instructor.

ART 161 Introduction to Photography. 3 cr. Survey of photographic techniques; camera and darkroom use—a foundation course. Lecture-lab, 6 hours per week. Prerequisite: Art 101, 111; or consent of instructor.

ART 171 Man and the Visual Arts. 3 cr. Cultural history as it is discerned through an investigation of the artist and the work of art. Lecture. Prerequisite: none.

ART 173 Art Introduction. 3 cr. A fundamental course in the basic principles of two and three dimensional design: projects for the non-art major. (Note: art majors will not receive credits in the art department for this course.) Lecture-lab, 6 hours per week. Prerequisite: none.

ART 181 Survey: Ancient through Medieval Art. 3 cr. A survey of painting, sculpture, architecture, and the decorative arts of the Mediterranean world and Europe from prehistoric times through the middle ages. Lecture. Prerequisite: none.

ART 183 Survey: Renaissance to Modern Art. 3 cr. A survey of painting, graphics, sculpture, architecture, and the decorative arts in the Western world from the later Middle Ages to the present. Lecture. Prerequisite: none.

ART 185 Survey: Renaissance Art. 3 cr. An investigation of the major movements, major artistic personalities in painting, graphics, sculpture and architecture of Europe during the Renaissance era. Lecture. Prerequisite: none.

ART 187 Survey: Modern Art (Painting, Graphics, and Sculpture). 3 cr. Recent developments in art related to the cultural environment. Field trip. Lecture. Prerequisite: none. Some campuses may elect to offer a chronological sequence surveying all the arts in two increments, ART 187-ART 188. Other campuses offer the course in three distinct sections, which students may elect independently.

Section 1 Survey: Modern Art 1850-1920
3 credits

Section 2 Survey: Modern Art 1850-1880
1 credit

Section 3 Survey: Modern Art 1880-1900
1 credit

Section 4 Survey: Modern Art 1900-1920
1 credit

ART 188 Survey: Modern Art (Architecture and Related Arts). Recent developments in architecture, environmental planning, commercial and industrial design, furniture, and crafts. Field trip. Lecture. Prerequisite: none. Some campuses may elect to offer a chronological sequence surveying all the arts in two increments, ART 187-ART 188. Other campuses offer the course in three distinct sections, which students may elect independently.

Section 1 Survey: Modern Art 1850-1920
3 credits

Section 2 Survey: Modern Art 1850-1880
1 credit

Section 3 Survey: Modern Art 1880-1900
1 credit

Section 4 Survey: Modern Art 1900-1920
1 credit

ART 191 Studio Participation I. 3 cr. Participation by humanities or non-art majors in the sophomore studio offerings that normally demand prerequisites. Consent of instructor required. Declared art majors may not take this course. Lecture-lab, 6 hours per week. Prerequisite: none.

ART 192 Studio Participation II. 3 cr. Participation by humanities or non-art majors in the sophomore studio offering that normally demand prerequisites. Consent of instructor required. Declared art majors may not take this course. Lecture-lab, 6 hours per week. Prerequisite: none.

ART 193 Community Studio. 1-3 cr. An open-ended, variable credit class designed to meet the needs of the special student who wishes to participate in the scheduled art courses on the campus. Consent of the instructor required. Prerequisite: none.

ART 201 Life Drawing I. 3 cr. The discipline of drawing from the human figure; superficial anatomy related to visual expression. Lecture-lab, 6 hours per week. Prerequisite: Art 102, or consent of instructor.

ART 202 Life Drawing II. 3 cr. Continuation of Art 201. Lecture-lab, 6 hours per week. Prerequisite: Art 201.

ART 211 Advanced Design. 3 cr. Experimentation in visual phenomena. Studio practice with lecture and readings in perception, design theory, philosophy and history of design. Lecture-lab, 6 hours per week. Prerequisite: Art 111, 112, or consent of instructor.

ART 212 Materials Workshop. 3 cr. Exploration of materials as they apply to industrial production with emphasis upon new applications for existing materials in three-dimensional problems—hand and power tools are used. Lecture-lab, 6 hours per week. Prerequisite: Art 111, 112, or consent of instructor.

ART 219 Drawing: Independent Study. 1-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor must be secured by the student desiring to register for this course.

ART 221 Watercolor I. 3 cr. Watercolor, and water-based media as a means of visual expression—an introduction to basic techniques and principles. Lecture-lab, 6 hours per week. Prerequisite: Art 121.

ART 222 Watercolor II. 3 cr. Continuation of Art 221. Lecture-lab, 6 hours per week. Prerequisite: Art 221.

ART 223 Oil Painting I. 3 cr. Technical investigation and use of materials related to the oil media—a basic studio orientation. Lecture-lab, 6 hours per week. Prerequisite: Art 121.

ART 224 Oil Painting II. 1-6 cr. Continuation of Art 223 with emphasis upon individual research. Lecture-lab, 6 hours per week. Prerequisite: Art 223.

ART 229 Painting: Independent Study. 3-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor must be secured by the student desiring to register for this course.

ART 231 Sculpture I. 3 cr. Concentration upon the problems of sculptural techniques and execution. Lecture-lab, 6 hours per week. Prerequisite: Art 131 or consent of instructor.

ART 232 Sculpture II. 3 cr. Continuation of Art 231. Lecture-lab, 6 hours per week. Prerequisite: Art 231.

ART 239 Sculpture: Independent Study. 1-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor must be secured by the student desiring to register for this course.

ART 241 Lithography. 3 cr. Aspects of plano-graphic printing related to stone and metal—crayon, touse, transfer, registration and color processes. Lecture-lab, 6 hours per week. Prerequisite: Art 141 or consent of instructor.

ART 243 Intaglio. 3 cr. Etching, engraving, aquatint application of grounds and mixed techniques in the incised image. Lecture-lab, 6 hours per week. Prerequisite: Art 141 or consent of instructor.

ART 245 Serigraphy. 3 cr. Materials and techniques in the silk screen process—investigation of stencils and resists in printing. Lecture-lab, 6 hours per week. Prerequisite: Art 141 or consent of instructor.

ART 247 Relief Printing. 3 cr. Woodcut, wood engraving, and lino cut processes; introduction to the problems of color registration and production. Lecture-lab, 6 hours per week. Prerequisite: 141 or consent of instructor.

ART 249 Graphics: Independent Study. 1-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor must be secured by the student desiring to register for this course.

ART 251 Metal I. 3 cr. Problems in copper, gold, silver, bronze, and pewter with regard to the craftsmanship and studio procedure. Lecture-lab, 6 hours per week. Prerequisite: Art 151 or consent of instructor.

ART 252 Metal II. 3 cr. Continuation of Art 251. Lecture-lab 6 hours per week. Prerequisite: Art 251.

ART 253 Ceramics I. 1-3 cr. An introduction to the method of pottery production; including slab, coil, and simple wheel techniques. Lecture-lab, 6 hours per week. Prerequisite: Art 151 or consent of instructor.

ART 254 Ceramics II. 1-3 cr. Continuation of Art 253 with emphasis upon wheel production of pottery. Lecture-lab, 6 hours per week. Prerequisite: Art 253.

ART 259 Crafts: Independent Study. 1-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor may be secured by the student desiring to register for this course.

ART 269 Photography: Independent Study. 1-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor must be secured by the student desiring to register for this course.

ART 279 Art Theory and Criticism: Independent Study. 1-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor must be secured by the student desiring to register for this course.

ART 289 Art Survey: Independent Study. 1-6 cr. Primarily intended for the special student—see curriculum guidelines. In all cases consent of instructor must be secured by the student desiring to register for this course.

Not all courses listed here are offered at all centers. See your campus timetable or course offerings.

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 Astronomy 200. Check the local timetable for credits listed. Prerequisite: minimal mathematical preparation.

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 Astronomy 100. Prerequisite: Physics 141, Physics 201, or equivalent.

AST 291 Topics in Astronomy. 1-3 cr. An extended coverage of one or more topics in astronomy such as extra-terrestrial life, archeoastronomy, cosmology, astrophysics, radio astronomy, stellar structure, dynamical astronomy, galactic structure and observational astronomy. Prerequisite: Consent of instructor.

BIOLOGICAL SCIENCES

BACTERIOLOGY

BAC 100 Elementary Microbiology. 3 cr. An introduction to microorganisms and microbiological techniques related to health care. Topics include microbial morphology, physiological and pathogenic processes, and aseptic sterilization techniques. Lecture, lab and field trips. Prerequisite: None.

BAC 101 General Survey of Microbiology. 4-5 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. Prerequisite: introductory courses in chemistry and biology are recommended.

BAC 230 Bacteriology of Pathogens. 3 cr. Pathogenic microorganisms. Distribution, isolation, and identification, and methods of pathogenicity; chemotherapy and sanitary control. Lecture, lab, and field trips. Prerequisites: chemistry and introductory bacteriology or their equivalents, or consent of instructor.

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. Pre-requisite: consent of instructor.

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. Prerequisite: none.

BOT 107 Biological Aspects of Conservation of Natural Resources. 2 cr. (Same as ZOO 107) The principles underlying the proper management of our resources — water, soils, minerals, forests, wildlife and human. The current and past attitudes relating to the resource with the interaction and complex of man's interests. Prerequisite: none.

BOT 109 Concepts of Biology. 3-5 cr. (Same as ZOO 109) A one-semester course considering the fundamental features of living organisms. Includes cell and tissue structure, growth, basic physiological processes, reproduction and inheritance, classification, evolution, and ecology. Lecture, lab, and field trips. Prerequisite: none.

BOT 116 Great Ideas In Biology. 2 cr. (Same as ZOO 116) 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 man in the future. Prerequisite: none.

BOT 130 General Botany. 3-5 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. (Some campuses teach the course on a modular basis.) Prerequisite: none.

BOT 151 Introductory Biology. 5 cr. (Same as ZOO 151) Living organisms; their structure, functional capabilities, developments, perpetuation, and evolution. In combination with Botany 152 recommended for zoology majors preparatory to advanced zoology courses; also designed for those who wish a single integrated course in biology. Lecture, lab, and field trips. Prerequisite: none.

BOT 152 Introductory Biology. 5 cr. Living organisms; their diversity, behavior, ecology and evolution. Lecture, lab, and field trips. Prerequisite: Zoology 151 or Botany 151. (Same as ZOO 152)

BOT 160 Heredity. 3 cr. (Same as ZOO 160) 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. Prerequisite: none.

BOT 231 Survey of the Plant Kingdom. 3-5 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. Prerequisite: an introductory course in biology.

BOT 240 Plants and Man. 2 cr. Botanical and geographical history of plants important in the development of civilization and in world economy. Lecture.

BOT 250 Principles of Ecology. 3-4 cr. (Same as ZOO 250) The interrelationships between living organisms and their environment; ecosystems concepts; population dynamics; community organization and distribution; and application of ecological principles to man and his environment. Lecture, lab, and field trips. Prerequisite: an introductory course in biology.

BOT 260 Genetics. 3 cr. (Same as ZOO 260) Laws of variation and heredity and their modification by environment and chromosome behavior. Lecture and lab. Prerequisite: an introductory course in biology.

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. Prerequisite: consent of instructor.

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. Prerequisite: Consent of instructor.

BOT 400 Classification of Cultivated and Native Plants. 3 cr. Representative families and genera of flowering plants, use of keys and manuals. Lecture, lab and field trips. Prerequisite: an introductory course in botany.

BOT 450 Principles of Plant Ecology. 3-5 cr. Plants and plant communities in relation to their environment. Lecture, lab, and field trips. Prerequisite: introductory botany course or equivalent.

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. Two hours lecture, two hours lab per week.

WIL 140 Introduction to Wildlife Resources. 3 cr. Wildlife resources of the United States; the importance of wildlife to our past and present economic and cultural life; selected problems in wildlife conservation. Prerequisite: Introductory course in biology.

NAT 170 Introduction to Natural Resources. 1 cr. Introduction to natural resources with emphasis on their integrated management and their role in man's social and economic welfare. Open to all students.

WAT 180 Introduction to Water Resources. 3 cr. Surface and subsurface water resources, their economic and social importance, control, and conservation.

SLS 260 Introduction to Soil Resources. 3-4 cr. Introductory general survey of the field. Prerequisite: Chemistry 145 or equivalent.

PHYSIOLOGY

PHS 101 Elements of Human Physiology. 4 cr. An introductory examination of the human body, directed toward an understanding of the functions of the human organ systems. Lecture and lab. Prerequisite: a course in general chemistry in high school or college.

PHS 104 Anatomy and Physiology. 4-5 cr. An examination of the structure and function of the organ systems of the human body. Lecture and lab. Prerequisite: introductory courses in chemistry and biology are recommended.

PHS 170 Human Anatomy and Physiology. 3 cr. Anatomy and physiology of the human body. Demonstration and discussion section designated to emphasize anatomy and basic physiological principles. Lecture and demonstration. Prerequisite: introductory courses in chemistry and biology are recommended. (Same as ZOO 170)

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. Lecture and lab. Prerequisite: None.

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. Lecture and lab. Prerequisite: Physiology 202.

PHS 235 Human Physiology. 5 cr. An examination of the physiological processes of the human body. Lecture, demonstrations, and lab. Prerequisite: Introductory courses in chemistry and biology or consent of instructor.

ZOOLOGY

ZOO 101 Animal Biology. 1-5 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, lab, and field trips. (Some campuses teach the course on a modular basis.) Prerequisite: none.

ZOO 103 Man and the Natural World. 3 cr. A study of man's relationships to the earth and all it contains and how it can be conserved, with emphasis on contemporary issues. This course is designed for the nonmajor to meet laboratory science requirements for the baccalaureate degree. It is approved as meeting the statutory requirement concerned with Conservation of Natural Resources as a requirement for State certification for teachers of science and social sciences. Lecture, lab, and field trips. Prerequisite: none.

ZOO 105 Introduction to Human Biology. 3 cr. Introduction to the development, nature, and processes of human adaptability. Prerequisite: none.

ZOO 107 Biological Aspects of Conservation of Natural Resources. 2 cr. (Same as BOT 107) 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 man's interests. Prerequisite: none.

ZOO 109 Concepts of Biology. 3-5 cr. A one semester course considering the fundamental features of living organisms. Includes cell and tissue structure, growth, basic physiological processes, reproduction and inheritance, classification, evolution, and ecology. Lecture, lab, and field trips. Prerequisite: none. (Same as BOT 109)

ZOO 116 Great Ideas in Biology. 2 cr. (Same as BOT 116) Selected landmark ideas in biology will be discussed not only to familiarize the student with the concepts but also to help him 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 man in the future. Prerequisite: none.

ZOO 140 Introduction to Wildlife Resources. 3 cr. 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. Prerequisite: Zoology 101 or concurrent registration.

ZOO 151 Introductory Biology. 5 cr. (Same as BOT 151) Living organisms; their structure, functional capabilities, developments, perpetuation, and evolution. In combination with Zoology 152 recommended for zoology majors preparatory to advanced zoology courses; also designed for those who wish a single integrated course in biology. Lecture, lab, and field trips. Prerequisite: none.

ZOO 152 Introductory Biology. 5 cr. (Same as BOT 152) Living organisms; their diversity, behavior, ecology, and evolution. Lecture, lab, and field trips. Prerequisite: Zoology 151 or Botany 151.

ZOO 155 Biology of Human Sexuality and Reproduction. 3 cr. This course will deal with the biological aspects of human sexuality and reproduction. The student will learn how the human body functions to perpetuate itself as part of the next generation. 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. Prerequisite: none.

ZOO 160 Heredity. 3 cr. (Same as BOT 160) 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. Prerequisite: none.

ZOO 170 Human Anatomy and Physiology. 3 cr. (Same as PHS 170) Anatomy and physiology of the human body. Demonstration and discussion section designated to emphasize anatomy and basic physiological principles. Lecture and demonstrations. Prerequisite: introductory courses in chemistry and biology are recommended.

ZOO 203 Fertility, Reproduction, and Family Planning. 2 cr. Reproductive physiology. Historical, philosophical, cultural, religious, social, and emotional aspects of the family unit, human sexuality, and fertility control. Organizational and technical factors in birth control and family planning programs. Prerequisite: None.

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. Prerequisite: a course in college biology or consent of instructor.

ZOO 235 General Invertebrate Zoology. 3-5 cr. Structure, evolution, and ecology of the major groups of invertebrates. Lecture, lab, and field trips. Prerequisite: an introductory course in biology.

ZOO 237 Vertebrate Biology. 5 cr. An introduction to the study of vertebrate animals considering their structure, evolution, ecology and special adaptations. Lecture, lab, and field trips. Prerequisite: an introductory course in biology.

ZOO 250 Principles of Ecology. 3-4 cr. (Same as BOT 250) The interrelationships between living organisms and their environment; ecosystems concepts; population dynamics; community organization and distribution; and application of ecological principles to man and his environment. Lecture, lab, and field trips. Prerequisite: an introductory course in biology.

ZOO 260 Genetics. 3 cr. (Same as BOT 260) Laws of variation and heredity and their modification by environment and chromosomal behavior. Lecture and lab. Prerequisite: an introductory course in biology.

ZOO 277 Ornithology. 3 cr. Identification, life histories, and habits of birds, with emphasis on local species. Lecture, lab, and field trips. Prerequisite: an introductory course in biology.

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. Prerequisite: consent of instructor.

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. Prerequisite: consent of instructor.

ZOO 430 Comparative Anatomy of Vertebrates. 5 cr. An outline of the basic vertebrate anatomical systems and a consideration of variations, using functional, embryological, and evolutionary approaches. Lecture, and lab dissection and study of representative vertebrate material. Prerequisite: an introductory course in zoology.

ZOO 505 Field Zoology. 3 cr. Designed to acquaint the student with the local fauna, emphasizing taxonomy. Can be used by school teachers or liberal arts students or as a background course for advanced courses such as vertebrate ecology, fishery biology, wildlife management, entomology, forestry, and agriculture. Field trips. Prerequisite: an introductory course in biology.

ZOO 515 Conservation of Aquatic Resources: Limnology. 2 cr. General limnology; study of lake and stream communities and their conservation. Lecture and field trips. Prerequisite: an introductory course in zoology or botany.

ZOO 516 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. Prerequisite: Zoology 515 or concurrent registration in Zoology 515.

BUSINESS AND ECONOMICS

BUSINESS

BUS 101 Business and Its Environment. 2-3 cr. Introduction to the role of business in the modern political, social, and economic environments: describes career opportunities. Prerequisite: none.

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. Prerequisite: none.

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. Prerequisite: none. Open to second semester freshmen. May be divided into 2 credit-two semester courses.

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. Prerequisite: Bus. 201.

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. Prerequisite: Business 201.

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. Prerequisite: English 102.

BUS 242 Foundations of Quantitative Functions. 3 cr. An accelerated exposure to mathematical functions essential to managerial problem-solving including an overview of algebra, analytic geometry, and calculus plus an introduction to set theory, linear algebra, matrices, vectors, and decision games.

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. Prerequisite: one semester of calculus or sophomore standing or consent of instructor.

BUS 297 Special Topics. 1-3 cr. Prerequisite: Consent of instructor.

BUS 299 Independent Studies. 1-3 cr. Prerequisite: Consent of instructor.

BUS 374 Quantitative Methods in Business. 2 cr. Introduction to linear programming and mathematics of compound interest with applications in accounting, finance, marketing and production. Prerequisite: Concurrent registration in Math 222, or consent of instructor.

ECONOMICS

ECO 101 Economics in the Modern World. 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. Not recommended as substitute for Economics 203 and/or Economics 204. Prerequisite: none.

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 Economics 204) in economics. Prerequisite: none.

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. Prerequisite: none.

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. Prerequisite: Economics 101 or 203 or equivalent.

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. Prerequisite: one semester of calculus or sophomore standing or consent of instructor.

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. Prerequisite: Economics 204 and sophomore standing.

ECO 271 Economic Development of the Middle East. 3 cr. Economic aspects of the struggle for a rising standard of living and stability in the Arab countries, Turkey, Iran and Israel: scarcity, choice, efficiency and growth. Comparison of the structure of economic organization and balance of payments. Case studies of development policies in the last two decades. Prerequisite: Economics 101, 203 or 204.

ECO 297 Special Topics. 1-3 cr. Prerequisite: Consent of instructor.

ECO 299 Independent Studies. 1-3 cr. Prerequisite: Consent of instructor.

CHEMISTRY

CHE 100 Foundations of Chemistry. 1-4 non-degree cr. Emphasizes fundamental chemical concepts may be taken prior to or concurrently with CHE 125 or CHE 145. Prerequisite: None. Intended for students who have had no previous chemistry, or have a limited background in chemistry. *Course credit will not count toward degree.*

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. Prerequisite: None.

CHE 125 Introductory Chemistry. 5 cr. A one semester introductory course in college chemistry with special emphasis on organic chemistry. Consists of lectures, discussion and laboratories. Primarily for students whose programs require only Chemistry 125 or the 125-203 combination. Concurrent registration in Chemistry 100 may be required. The student may not count both CHE 125 and 145 toward fulfilling laboratory

science requirement for the Associate Degree. Prerequisite: None. However a working knowledge of algebra is recommended.

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 Chemistry 100 may be required. The student may not count both CHE 125 and 145 toward fulfilling the laboratory science requirement for the Associate Degree. Prerequisite: Demonstrated competency at the MAT 105 level or concurrent registration in MAT 105.

CHE 155 General Chemistry. 5 cr. Continuation of Chemistry 145. Consists of lectures, discussions, and laboratories. Prerequisite: Chemistry 145.

CHE 203 Survey of Biochemistry. 3 cr. An elementary course on the chemical makeup and metabolic processes of living organisms for non-science majors. Three hours of lectures per week. Chemistry 125 and 203 together constitute a year course with emphasis on organic and biological chemistry for non-science majors. Prerequisite: Chemistry 125 or 145.

CHE 211 Biochemistry Laboratory. 1 cr. Laboratory to accompany Chemistry 203. Three hours of laboratory per week. Prerequisite: Chemistry 203 or concurrent registration.

CHE 233 Nutrition—A Biochemical Approach. 3 cr. A one semester course primarily for students enrolled in certain premedical programs where a course in elementary nutrition is needed. Prerequisite: Chemistry 125.

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. Prerequisite: Chemistry 155.

CHE 272 Special Problems. 2 cr. An advanced study of the numerical problems of chemistry. Two hours of lecture-discussion per week. Recommended for all students who plan to take further courses in chemistry. Prerequisite: Chemistry 155 or concurrent registration.

CHE 290 Special Topics in Chemistry. 1-3 cr. No prerequisite, but students must obtain the consent of the instructor prior to registration.

CHE 299 Independent Study in Chemistry. 1-3 cr. No prerequisite, but students must obtain the consent of the instructor prior to registration.

CHE 343 Introductory Organic Chemistry. 3 cr. The first semester of a year course in organic chemistry. Three hours of lecture per week. Prerequisite: Chemistry 155.

CHE 352 Introductory Organic Chemistry Laboratory. 2 cr. Six-eight hours of laboratory per week. Prerequisite: Chemistry 343 or concurrent registration.

CHE 363 Intermediate Organic Chemistry. 3 cr. Continuation of Chemistry 343. Three hours of lecture per week. Prerequisite: Chemistry 343.

Not all courses listed here are offered at all centers. See your campus timetable or the course offerings.

COMMUNICATION ARTS

COM 100 Applied Journalism. 0-1 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. Specific requirements are made by the instructor. Open to all students every semester.

COM 101 Introduction to Interpersonal Communication. 3 cr. The theoretical study of what makes people relate and the practical application of these concepts in an experiential environment. Individual speaking projects are included in the course.

COM 102 Forensics Laboratory. 1 cr. Active participation in intercollegiate forensics activities, including but not limited to oral interpretation, oratory, extempore speaking, after-dinner speaking, impromptu speaking, discussion, improvisation, play reading. Preparation of special programs. It is possible to register in more than one section with consent of instructor.

Section 1 Discussion	1 cr.
Section 2 Rhetoric	1 cr.
Section 3 Interpretation	1 cr.

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.

COM 130 Introduction to Theatre. 3 cr. A study of the nature of drama, important plays, dramatic styles, and their presentation in various media.

COM 131 Theatre Laboratory. 1 cr. Provides experience in theatrical performance and 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 consent of instructor.

Section 1 Acting	1 cr.
Section 2 Technical production	1 cr.
Section 3 Theater management	1 cr.

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.

COM 160 Speech and Human Behavior. 3 cr. The study of man as a complex communicator who through physical, behavioral and linguistic signs sends and receives messages in a variety of social and cultural interactions.

COM 201 Introduction to Mass Communication. 3 cr. A survey course which examines mass communication theories and research. Prerequisite: none.

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. Prerequisite: Comm. Arts 201 or consent of instructor.

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. Required for journalism majors. Center System students may take this course through independent study (correspondence) if not currently available at their campus. Prerequisite: typing proficiency recommended and the satisfactory completion (i.e., A, B, or C work) of English 101, or equivalent documentation of language skills.

COM 204 News Reporting. 3 cr. Emphasis on the gathering of news and interviewing. Field work in the community. Required for journalism majors in the news-editorial sequence. Prerequisite: Comm. Arts 203 or consent of instructor. Typing proficiency recommended and the satisfactory completion (i.e., A, B, or C work) of English 101, or equivalent documentation of language skills.

COM 205 Newswriting and Reporting. 4 cr. Intensive study providing experience in gathering and writing various types of news. Lecture, direct newspaper involvement, and laboratory work. Prerequisite: Comm. Arts 201 and sophomore standing. Typing proficiency recommended and the satisfactory completion (i.e., A, B, or C work) of English 101, or equivalent documentation of language skills.

COM 206 News Editing. 3 cr. A course designed to teach basic news editing and layout techniques. Includes editing local and wire copy, headline writing and makeup. Two hours lecture, one hour practical lab session. Prerequisite: Comm. Arts 203.

COM 220 Introduction to Techniques of Radio and Television. 3 cr. Principles and practices of contemporary radio and television production and programming.

COM 230 Introduction to Oral Interpretation. 3 cr. Appreciation of literature through critical analysis and the oral re-creation of literary materials.

COM 231 Theatre Production. 3 cr. Play analysis, fundamentals of acting, directing, staging, lighting, costuming, make-up, theatre organization, and theatre management, especially geared toward educational theatre.

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.

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.

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.

COM 267 Introduction to Parliamentary Procedure. 1-2 cr. Theory and practice of parliamentary procedure, conducting business meetings, forming organizations, and drawing up constitutions and by-laws.

COM 268 Persuasion. 3 cr. Principles and methods of persuasion, with practice in the preparation and delivery of various types of persuasive speeches.

COM 298 Topics in Speech and Dramatic Arts. 1-3 cr. The nature and subject of this course will be announced in the timetable. Prerequisite: sophomore standing plus one other course in related area and consent of instructor.

COM 299 Independent Studies. 1-3 cr. Readings, reports, papers, or projects to be determined by the individual instructor. Prerequisite: an introductory course in the area and consent of instructor.

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

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.

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. Prerequisites: None.

CPS 101 Computer Orientation. 1 cr. An introduction to the campus computing setup. Emphasis on what computers can do; using computers rather than programming them. Prerequisite: None.

CPS 110 Introduction to Computing Machines. 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 or FORTRAN programming. Prerequisite: Intermediate level high school mathematics or a course in college mathematics.

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. Prerequisite: MAT 110 or MAT 124 or equivalent.

CPS 210 Algebraic Language Programming. 3 cr. Construction of algorithms; flow charting; instruction and experience in the use of at least one procedure-oriented language (FORTRAN or BASIC) and survey of other procedure-oriented languages; advanced programming techniques. Assumes the student recognizes the importance of the computer and is ready to learn how to use it as a tool. Prerequisite: MAT 211, 221 or consent of instructor.

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. Prerequisite: CPS 110 or CPS 210 or consent of instructor.

CPS 250 BASIC; CPS 251 FORTRAN; CPS 252 COBOL; CPS 253 PL/1; CPS 254 PASCAL; CPS 255 APL; CPS 260 Assembly language.

CPS 291 Special Topics. 1-3 cr. In depth treatment of subjects introduced in CPS 110 or CPS 210. 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. Prerequisite: CPS 110, CPS 210 or consent of instructor.

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

ECONOMICS

See Business and Economics

EDUCATION

EDU 101 Orientation to Public Education. 2 cr. An overview of the cultural, historical, philosophical, and psychological bases for public education in American society. An exploration of the aims of education in American public schools with the implications for teachers, curricula, and physical facilities. Lab experiences are required in connection with this course.

EDU 200 Field Experience in Education. 2 cr. 5 hours per week of active participation in the program of an educational institution, plus an average of 1 hour per week of on-campus instruction covering concepts regarding learning, human development and social institutions as they apply to the educational process. Prerequisite: None.

EDU 213 Human Growth and Development. 3 cr. Physical, mental, emotional, social, perceptual, scholastic and personality growth and development in the human life span; the forces which affect such growth and the means of facilitating it.

EDU 223 Principles of Elementary Education. 3 cr. Consideration of the broad fields in teaching, objectives and principles in education, types of lesson planning, overview on unit organization. Prerequisite: sophomore standing.

EDU 251 Physical Education Field Experience. 2 cr. (Same as EDU 200, but carries different number for physical education majors.) Active involvement in the learning activities of an educational setting (i.e. school, agency, institution) which offers a physical education program plus participation in three evening seminars. Placement shall involve five hours of participation per week. Prerequisite: none.

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.

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. Prerequisite: PSY 201 or 202. 560 recommended.

EDU 330 Child Development and Learning Process. 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, 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. Prerequisite: Psychology 201.

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. Prerequisites: None.

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.

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. Prerequisite: Intermediate math preparation or consent of instructor.

GRA 113 General Engineering Graphics and Introduction to Design. 3 cr. Advanced principles of projection and perspective, sectional views, dimensioning, freehand sketching, isometric and oblique pictorials, graphs, maps, structures, machines, assembly drawings, and individualized problems designed to serve the requirements of the several engineering curricula. The class meets six hours each week to allow the student to do most of the drawing under the supervision of the instructor. Prerequisite: Engineering Graphics 102 or consent of instructor.

ENGINEERING MECHANICS

MEC 111 Introduction to Engineering. 1 cr. Computation methods and procedures as applied to elementary engineering problems. Uses of logarithms and the slide rule, graphing techniques, recording data, use of calculators. Lecture, 1 hour; lab, 1 hour. Prerequisite: 110, 113, 124 or equivalent.

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. Prerequisite: Mathematics 221.

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: Engineering Mechanics 201 and Mathematics 222.

MEC 203 Strength of Materials. 3 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. Prerequisite: Engineering Mechanics 201.

ENGLISH AND LITERATURE

ENG 101 Composition I. 3 cr. Stresses proficiency in the use of sentence structure, grammar, punctuation diction, and coherent development of paragraphs and short papers. (Completion of this course will satisfy the prerequisites for English 102 and English 200, in lieu of sufficiently high placement test scores. Not open to students eligible for English 102 because of their test scores, except with consent of campus English faculty.)

ENG 102 Composition II. 3 cr. A rhetoric course intended to increase the student's ability to write English that presents information and ideas clearly and effectively. Prerequisite: English 101, or sufficiently high placement test scores, or consent of the campus English faculty based on demonstrated writing ability.

ENG 103 Critical Writing. 3 cr. Studying and writing about various types of literature. Develops the ability to write critical, analytical, and explicative papers about literature. Prerequisite: English 102, or 201, or consent of the campus English faculty.

ENG 120 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 a substitute for English 101, 102, or 103.)

ENG 200 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. Prerequisite: English 101 (or sufficiently high placement test scores) or English 102, or consent of the campus English faculty.

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. Prerequisite: English 102 or English 103 or consent of the campus English faculty.

ENG 203 Creative Writing I. 3 cr. Chiefly devoted to writing and studying one or more of the following: fiction, poetry, and drama. Prerequisite: English 102 or English 103 or consent of the campus English faculty.

ENG 204 Creative Writing II. 3 cr. A continuation of English 203. Prerequisite: English 203 or consent of the campus English faculty.

ENG 205 English Literature. 3 cr. A study of representative works by the most outstanding English writers. (Not open to students who have received credit for English 213 or 214.) Prerequisite: English 200 or English 103, or consent of the campus English faculty.

ENG 209 Twentieth Century Literature. 3 cr. An approach to literature through significant and representative modern works, primarily American and British. Prerequisite: English 200 or English 103, or consent of the campus English faculty.

ENG 211 American Literature. 3 cr. A study of representative work by the most outstanding American writers. (Not open to students who have received credit for English 215 or 216.) Prerequisite: English 200 or English 103, or consent of the campus English faculty.

ENG 213 English Literature Before 1798. 3 cr. A course focused on representative works of outstanding authors, various literary genres, and the development of English literature before 1798. (Not open to students who have received credit for English 205.) Prerequisite: English 200 or English 103, or consent of the campus English faculty.

ENG 214 English Literature After 1798. 3 cr. A course focused on representative works of outstanding authors, various literary genres, and the development of English literature after 1798. (Not open to students who have received credit for English 205.) Prerequisite: English 200 or English 103, or consent of the campus English faculty.

ENG 215 American Literature Before 1865. 3 cr. A course focused on representative works of outstanding authors, various literary genres, and the development of American literature before 1865. (Not open to students who have received credit for English 211.) Prerequisite: English 200 or English 103, or consent of the campus English faculty.

ENG 216 American Literature After 1865. 3 cr. A course focused on representative works of outstanding authors, various literary genres, and the development of American literature after 1865. (Not open to students who have received credit for English 211.) Prerequisite: English 200 or English 103, or the consent of the campus English faculty.

ENG 217 World Literature Before 1700. 3 cr. Selected masterpieces of world literature from ancient time to the end of the seventeenth century. Prerequisite: English 200 or English 103, or the consent of the campus English faculty. (Not open to students who have received credit for English 219.)

ENG 218 World Literature After 1700. 3 cr. Selected masterpieces of world literature from the end of the seventeenth century to the present. Prerequisite: English 200 or English 103, or the consent of the campus English faculty. (Not open to students who have received credit for English 219.)

ENG 219 World Literature. 3 cr. A study of selected masterpieces of world literature. Prerequisite: English 200 or English 103, or consent of the campus English faculty. (Not open to students who have received credit for English 217 or English 218.)

ENG 227 Introduction to Shakespeare. 3 cr. A study of representative plays and sonnets. Prerequisite: six credits of literature or consent of the campus English faculty.

ENG 251 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. Prerequisite: three credits of literature or consent of the campus English faculty.

ENG 253 Studies of 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. Prerequisite: three credits of literature or consent of the campus English faculty.

ENG 255 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. Prerequisite: three credits of literature or consent of the campus English faculty.

ENG 297 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. Prerequisite: three credits of literature or consent of the campus English faculty.

ENG 298 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. Prerequisite: six credits of literature or consent of the campus English faculty.

ENG 299 Independent Study. 1-3 cr. Prerequisite: consent of the instructor. Program must be approved by the instructor and the Center System department chairman.

FOREIGN LANGUAGE

CZECHOSLOVAKIAN

CZH 118 Practical Spoken and Written Bohemian. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisite: consent of instructor.

CZH 119 Practical Spoken and Written Bohemian. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisite: CZH 118, or consent of instructor.

FRENCH

FRE 101 First Semester French. 4 cr. For students who have had no previous training in the language. Emphasis on oral practice, grammar and reading.

FRE 102 Second Semester French. 4 cr. Continuation of French 101. Prerequisite: French 101 or one year of high school French.

FRE 118 Practical Spoken French. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisite: consent of instructor.

FRE 119 Practical Spoken French. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. This course is not part of the required foreign language sequence. Prerequisite: French 118.

FRE 201 Third Semester French. 4 cr. Intensive and extensive reading, grammar review, elementary composition and development of oral facility. Prerequisite: one year of college French (or equivalent) or two years of high school French.

FRE 202 Fourth Semester French. 4 cr. A continuation of French 201. Prerequisite: three semesters (or equivalent) of college French or three years of high school French.

FRE 219 French for Business. 2-3 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. Prerequisite: 201 or consent of the instructor.

FRE 221 Introduction to French Literature, Middle Ages to Eighteenth Century. 3 cr. Masterpieces in the novel, drama, poetry, and essay. Lectures, discussion, exercises in

interpretation. Prerequisite: French 202 or equivalent.

FRE 222 Introduction to French Literature, Eighteenth and Nineteenth Century. 3 cr. Masterpieces in the novel, drama, poetry, and essay. Lectures, discussion, exercises in interpretation. Prerequisite: French 202 or equivalent.

FRE 223 Introduction to French Literature, Twentieth Century. 3 cr. Masterpieces in the novel, drama, poetry, and essay. Lectures, discussions, exercises in interpretation. Prerequisite: French 202 or equivalent. Recommended but not required that French 221-222 precede this course.

FRE 225 Conversation and Composition (Intermediate Level). 2-3 cr. Development of facility in oral and written French. Prerequisite: French 202 or equivalent with consent of instructor. May be taken concurrently with French 221 or French 222.

FRE 226 Conversation and Composition (Intermediate Level). 2-3 cr. Continuation of French 225. Prerequisite: French 225 or consent of instructor. May be taken concurrently with French 221 or French 222.

FRE 275 Masterpieces of French Literature in Translation. 3 cr. Study, in translation, of representative masterpieces of modern French literature. No prerequisite. No foreign language credit.

FRE 276 Twentieth Century French Literature in Translation. 3 cr. Study, in translation, of selected works of twentieth century French literature. No prerequisite. No foreign language credit.

FRE 277 Special Topics in Literature in Translation. 2-3 cr. Treats various topics in French literature in translation to be specified by the instructor in campus timetable. No foreign language credit. Prerequisite: None.

FRE 291 Selected Topics in French. 2-3 cr. Prerequisite: French 202 and consent of instructor. Topic will be specified in campus timetable.

FRE 299 Intermediate Independent Reading. 2-3 cr. Readings, discussions, reports, papers to be determined by individual instructor. Meetings to be arranged. Prerequisite: French 202 or equivalent and consent of instructor.

GERMAN

GER 101 First Semester German. 4 cr. For students with no previous knowledge of German. Emphasis on reading, oral practice and grammar.

GER 102 Second Semester German. 4 cr. Continuation of German 101. Prerequisites: German 101 or equivalent.

GER 118 Practical Spoken German. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisite: consent of instructor.

GER 119 Practical Spoken German. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. This course is not part of the required foreign language sequence.

GER 201 Third Semester German. 4 cr. Intensive reading, writing, grammar review and continued oral practice. Prerequisite: German 102 or equivalent.

GER 202 Fourth Semester German. 4 cr. Continuation of German 201. Prerequisite: German 201 or equivalent.

GER 215 Elementary Conversation and Composition. 2 cr. May be taken concurrently with German 201 or by itself. For persons desiring further development of oral and writing skills related to everyday topics. Prerequisite: German 102 or equivalent.

GER 216 Elementary Conversation and Composition. 2 cr. May be taken concurrently with German 202. Prerequisite: German 215 or consent of instructor.

GER 219 German for Business. 2-3 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. Prerequisite: 201 or consent of instructor.

GER 221 Introduction to German Literature. 3 cr. Selected readings in a survey of German literature; discussion; transition from language study to study of literature. Also carries credit as a humanities elective. Prerequisite: German 202 or equivalent.

GER 222 Introduction to German Literature. 3 cr. Continuation of German 221. Also carries credit as a humanities elective. Prerequisite: German 221 or equivalent.

GER 225 Intermediate Composition and Conversation. 2-3 cr. Grammar review and conversation. Extensive composition practice. May be taken concurrently with German 221. Prerequisite: German 202 or equivalent.

GER 226 Intermediate Composition and Conversation. 2-3 cr. Continuation of German 225. May be taken concurrently with 222. Prerequisite: German 225 or equivalent.

GER 275 Periods in German Literature in Translation. 3 cr. Treats various periods and trends in German literature up to 1900. Designed for students who do not have a command of German enabling them to read

works in the original but who have an interest in important epochs in German literature. Carries credit as a humanities elective. No foreign language credit. Prerequisite: none.

GER 276 German Literature of the Twentieth Century in Translation. 3 cr. A study of German literature of the present century; designed for those students who do not have a command of German but wish to acquaint themselves with the most important trends in twentieth century German literature. Carries credit as a humanities elective. No foreign language credit. Prerequisite: none.

GER 277 Special Topics in Literature in Translation. 2-3 cr. Treats various topics in German literature in translation to be specified by the instructor in campus timetables. Carries credit as a humanities elective. No foreign language credit. Prerequisite: none.

GER 291 Selected Topics in German. 2-3 cr. Prerequisite: German 202 and consent of instructor. Topics will be specified in campus timetable.

GER 299 Independent Reading. 1-3 cr. An independent reading course which helps advanced students fulfill requirements for a major in German upon transferring to a degree-granting institution. Content to be determined by the instructor in counsel with the student.

POLISH

PSH 118 Practical Spoken and Written Polish. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisite: consent of instructor.

PSH 119 Practical Spoken and Written Polish. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisite: PSH 118, or consent of instructor.

SPANISH

SPA 101 First Semester Spanish-Elementary Spanish. 4 cr. Spanish grammar, elementary reading, oral practice and cultural background. For students who have had no Spanish.

SPA 102 Second Semester Spanish-Elementary Spanish. 4 cr. A continuation of Spanish 101. Prerequisite: Spanish 101 or one year of high school Spanish.

SPA 118 Practical Spoken Spanish. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisites: consent of instructor.



SPA 119 Practical Spoken Spanish. 1-2 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. This course is not part of the required foreign language sequence.

SPA 201 Third Semester Spanish-Intermediate Level. 4 cr. Grammar review; intensive class reading; study of vocabulary, idioms and syntax; oral and composition practice. Prerequisite: Spanish 102 or two years of high school Spanish or equivalent.

SPA 202 Fourth Semester Spanish-Intermediate Level. 4 cr. A continuation of Spanish 201. Prerequisite: Spanish 201 or three years of high school Spanish. With department consent, exceptional students may be permitted to take Spanish 202 and Spanish 225 concurrently.

SPA 210 Spanish for Business. 2-3 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. Prerequisite: 201 or consent of instructor.

SPA 221 Introductory Survey of Spanish Literature. 3 cr. Introduction to the study of Spanish literature; readings, discussions, literary history. Eighteenth-Twentieth centuries. Prerequisite: Spanish 202 or equivalent.

SPA 222 Introductory Survey of Spanish Literature. 3 cr. Twelfth-Seventeenth centuries. Prerequisite: Spanish 202 or equivalent.

SPA 225 Intermediate Conversation and Composition. 2-3 cr. Emphasis on oral and composition practice. Prerequisite: Spanish 202 or equivalent.

SPA 226 Intermediate Conversation and Composition. 2-3 cr. A continuation of Spanish 225. Prerequisite: Spanish 225 or equivalent.

SPA 236 Latin-American Culture and Civilization. 3 cr. Lectures and readings in English on the art, music, architecture, political, social and economic problems of Latin America from Pre-Columbian times to the present. No prerequisite; no knowledge of Spanish required. Open to all freshmen and sophomores. Elective or humanities credit only; no language credit.

SPA 266 Masterpieces of Latin-American Literature in Translation. 3 cr. Study, in translation, of representative masterpieces of modern Latin-American literature. No prerequisite. Open to students who have completed Spanish 202 only with consent of instructor. No language credit.

SPA 275 Masterpieces of Spanish Literature in Translation. 3 cr. Presentation of the culture of the Spanish people, and its relation to that of Western Europe and America, through study of Spanish literary masterpieces. No prerequisite. No foreign language credit.

SPA 277 Special Topics in Literature in Translation. 2-3 cr. Emphasis on the spoken language in everyday contexts. Carries elective credit only. Not part of the sequence of required foreign language courses. Prerequisite: consent of instructor.

SPA 291 Selected Topics in Spanish. 2-3 cr. Prerequisite: Spanish 202 and consent of instructor. Topics will be specified in campus timetable.

SPA 299 Intermediate Independent Reading. 2-3 cr. For exceptional students in lieu of a regular course. Readings, discussions, reports, papers to be determined by individual instructor. Meetings to be arranged. Prerequisite: Spanish 202, or equivalent, and consent of instructor.

GEOGRAPHY

GEO 101 Introduction to Cultural Geography. 3-4 cr. An examination of world distribution patterns of population, settlement and cultural forms and their causal relationships. Prerequisites: None.

GEO 110 World Regional Geography. 3-4 cr. Introduction to cultural geography through the study of representative and significant regions and nations. Prerequisites: None.

GEO 115 Economic Geography. 3-4 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. Prerequisites: None.

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. Prerequisite: None.

GEO 121 Atmospheric Environment of Man. 2 cr. The interaction of man and his societies with the atmospheric environment. Prerequisite: None.

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. Prerequisite: None.

GEO 124 Physical Geography: Landforms. 4-5 cr. Introduction to maps; characteristics, distribution, and significance of landform types; the continental margins and the sea floors; water resources of the land; and mineral resources. Lab and field trips. Prerequisite: None.

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. Prerequisite: none.

GEO 130 Man's 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 man. Included is man's role in the development of new plants and animals. (Laboratory may be elected for the fourth credit.) Field trips. Prerequisite: none.

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

GEO 291 Geographic Field Study 1-6 cr. For exceptional students in lieu of a regular course. Prerequisite: sophomore standing and consent of instructor.

GEO 299 Independent Study. 1-3 cr. Individual study under the supervision of an instructor. Prerequisite: consent of instructor.

GEO 300 Population: World Survey. 3-4 cr. Contrasts in numbers, densities and qualities of population with emphasis on regional implication. Prerequisite: One semester of college work.

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. Prerequisite: One semester of college work.

GEO 341 The United States and Canada. 3 cr. Description and analysis of the physical and cultural landscapes of the United States and Canada. Prerequisite: One semester of college work.

GEO 342 Geography of Wisconsin. 3 cr. The physical features, resources, population, land utilization and economic development of the state. Field trips. Prerequisite: one semester of college work.

GEO 347 Middle America. 3 cr. Description and analysis of the physical and cultural landscapes of Mexico, Central America and the West Indies. Prerequisite: One semester of college work.

GEO 348 South America. 3 cr. Description and analysis of the physical and cultural landscapes of South America. Prerequisite: One semester of college work.

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. Prerequisite: One semester of college work.

GEO 350 Environmental Conservation. 3-4 cr. Problems arising from man's use of earth resources. Principles of management that make for a continuation of natural resource adequacy. Emphasis on the United States. *Geography 350 satisfies state requirements*

for certification for education majors. Prerequisite: One semester of college work. Field trip required.

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 Geology 101, 102. Prerequisite: none.

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 man 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 Geology 100. Prerequisite: none.

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. Prerequisite: Geology 101 or consent of instructor.

GLG 130 Geologic Methods I. 3 cr. The techniques used in investigating, identifying and classifying earth materials. Lab work with demonstrations. Field trips. Prerequisite: none.

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. Fossils. Lab and field trips. Prerequisite: none.

GLG 135 Environmental Geology. 3 cr. Applications of the science of geology to problems resulting from man's intense use of the earth and its resources. Prerequisite: none. Field trip required.

GLG 169 Earth Science and Man's Environment. 4 cr. The physical environment and man's interaction with it. Emphasis on earth processes which affect man, such as rivers, erosion, groundwater, landslides, and earthquakes. The impact of man 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 man to design with nature. Lecture, lab and field trips. Prerequisite none.



GLG 201 Geology of the Moon. 2 cr. Survey of the major findings of the lunar expeditions. Techniques developed by geologists for the study of the earth are applied to study of the origin and evolution of the moon and its structure, composition, and surface features. Implications of lunar explorations of man's future are studied. Prerequisite: high school science and mathematics recommended and consent of instructor.

GLG 228 Survey of Oceanography. 3 cr. A survey of fundamental topics and contemporary problems in the science of the sea including scientific exploration, configuration of the ocean basins, properties of sea water, interface with the continents, currents and circulation, sediments on the sea floor, economic resources of food, minerals, energy and water, and oceanographic factors bearing on modern social, commercial, legal, international and exploitation problems of the world ocean. Prerequisite: high school physics or chemistry recommended and consent of instructor.

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. See Interdisciplinary Studies 291. Prerequisite: consent of instructor.

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. Prerequisite: sophomore standing and consent of instructor.

GLG 301 Principles of Mineralogy. 4 cr. Minerals, their physical and chemical properties, crystallography, geologic significance and uses. Prerequisite: Geology 101 or 102 and high school or college chemistry course.

GLG 302 Elementary Petrology. 4 cr. Study of igneous, sedimentary and metamorphic rocks, including classification, genesis, field identification and petrographic microscope study. Field trips. Prerequisite: Geology 301.

GLG 306 Gems and Precious Stones. 1-2 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. Prerequisite: None.

GLG 314 Geologic Field Methods. 2-3 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. Prerequisite: Geology 102.

GLG 316 Introduction to Geophysics. 2 cr. Study of selected topics relating to the internal constitution of the earth, global tectonics and geophysical methods. Prerequisite: Geology 100 or 101 and Physics 141.

GLG 350 Minerals as a Public Problem. 2-3 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. Prerequisite: sophomore standing or consent of instructor.

GLG 409 Geomorphology. 3 cr. Principles and analysis of geomorphic processes and resulting landforms. Field trip. Prerequisite: Geology 100, 101-102, or Geography 123-124.

GLG 414 Structural Geology. 3 cr. Principles of rock deformation, structures in layered rocks, structural and analysis, intrusive structures. Field trip. Prerequisite: Geology 102, 301 and consent of instructor.

GLG 443 Glacial and Pleistocene Geology. 3 cr. Principles, characteristics and work of glaciers; events of the Pleistocene Period. Field trips. Prerequisite: Geology 100, 101-102, or Geography 123-124.

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. Prerequisite: None.

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. Open to freshmen and sophomores.

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. Open to freshmen and sophomores.

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. Open to freshmen and sophomores.

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. Open to freshmen and sophomores.

HIS 111 Ancient History. 3-4 cr. Survey of the history of civilization from the beginnings in Egypt and Babylonia through the Classical Greek and Hellenistic periods with emphasis on institutional and social development. Open to freshmen and sophomores.

HIS 112 Ancient History. 3-4 cr. Survey of the history of civilization during the Roman Republic and Empire to the year 500 with emphasis on institutional and social development. Open to freshmen and sophomores.

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. Open to freshmen and sophomores.

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. Open to freshmen and sophomores.

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. Open to freshmen and sophomores.

HIS 123 English History: England to 1715. 3-4 cr. General survey of the political, economic, social and cultural history of England

from earliest historic times. Open to freshmen and sophomores.

HIS 124 British History: 1715 to the Present. 3-4 cr. General survey of the political, economic, social and cultural history of Great Britain. Open to freshmen and sophomores.

HIS 126 Twentieth Century Europe. 2-3 cr. Study of the major political, social, and cultural developments of Europe since 1900. Open to freshmen and sophomores.

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.

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. Open to freshmen and sophomores.

HIS 203 Colonial Latin America. 3 cr. Development of Hispanic and Portuguese America through 1830; emphasizing social and institutional patterns. Prerequisite: sophomore standing or consent of the instructor.

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. Prerequisite: sophomore standing or consent of instructor.

HIS 213 Recent Latin America. 3 cr. A continuation of History 203, emphasizing the evolution of independent states. Prerequisite: sophomore standing or consent of the instructor.

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. Prerequisite: sophomore standing or consent of the instructor.

HIS 219 History of the Soviet Union. 3 cr. A consideration of the major themes and personalities of Russian history since 1917. Prerequisite: sophomore standing or consent of the instructor.

HIS 221 Modern Asia. 3 cr. A study of the political, social and economic developments of Contemporary Asia, focusing on the rise of nationalism, and emphasizing the Twentieth Century development of China. Prerequisite: sophomore standing or consent of instructor.

HIS 222 Recent Chinese History. 3 cr. Western impact, social change, and revolutions in twentieth century China, pre-1949. Prerequisite: sophomore standing or consent of instructor.

HIS 223 History of the People's Republic of China, 1949-Present. 3 cr. Social, economic, and political transformation of China under communism with emphasis on the role of ideology in contemporary Chinese historical development, and an analysis of the nature of that historical development in comparative perspective of other post-revolutionary histories. Prerequisite: History 222 or consent of instructor.

HIS 225 History of Modern Japan. 3 cr. Modern transformation of Japan, with special attention to nationalism, imperialism, and experiences of economic and political development. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: sophomore standing or consent of instructor.

HIS 255 Problems in American History. 3 cr. A problem-centered approach to American history. Discussions, reports on readings, research papers dealing with major local, regional or national problems in American history; enrollment limited. Prerequisite: sophomore standing or consent of instructor.

HIS 256 Problems in European History. 3 cr. Discussions, reports on readings, research papers; meet in proseminar; enrollment limited. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: sophomore standing or consent of instructor.

HIS 260 History of Technology. 3 cr. General survey of the development of technology from early man to the advent of the Industrial Revolution with analyses of the relationship between science and technology and the interaction of Eastern and Western cultures. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: sophomore standing or consent of instructor.

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.

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.

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.

HIS 288 Representative Americans. 3 cr. A biographical approach; evaluation of contributions of leading Americans to the nation's development. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: sophomore standing or consent of instructor.

HIS 291 The Age of Jefferson and Jackson, 1789-1848. 3 cr. Establishment of the national government; growth of democracy and the nature of party development; westward expansion; economic change, slavery and social reform. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: sophomore standing or consent of instructor.

HIS 295 The United States, 1877-1917: The Rise of Modern America. 3 cr. The transformation of the United States into an urban-industrial nation and a world power. The rise and impact of modern industrialism, organization of labor and farmers, disappearance of the frontier, overseas expansion, and the resulting political, economic, intellectual and social changes in America. Prerequisite: sophomore standing or consent of instructor.

HIS 296 Man and Machines in American Technology. 3 cr. Critical biographical study of notable inventors, industrialists, engineers, such as Fulton, Ford, and Edison, with emphasis on value systems and corresponding relationship to technology. Prerequisite: none.

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. Prerequisite: sophomore standing or consent of instructor.

HIS 298 History of Minorities in America. 3 cr. This course will explore the role of ethnic, racial, religious or sexual groups in the history of the United States from the era of colonization to the present. Includes political, economic, social and cultural development. Prerequisite: sophomore standing or consent of instructor.

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. Prerequisite: consent of instructor.

Not all courses listed here are offered at all centers. See your campus timetable or the course offerings.

INTERDISCIPLINARY STUDIES

INT 100 English as a Second Language. 1-2 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. Prerequisites: for students who (1) are not native speakers of English, and who (2) have studied English extensively as a second language prior to being enrolled in the UW Center System.

INT 102 Introduction to Environmental Studies. 3 cr. Principles that govern the structure, function, and interrelationships of the earth's ecosystems are examined. The impacts of man's activities are viewed as they relate to these basic processes. Solutions to environmental problems are examined relative to both the limitations of the environment and the constraints by today's technological society. Prerequisite: none.

INT 105 Greek and Latin Origins of Medical and Scientific Terminology. 2 cr. The course is designed to acquaint students pursuing science and other majors with the origins of technical terms they are likely to encounter. Prerequisite: none.

INT 106 Pre-Revolutionary Russia: Society and Culture. 3 cr. The purpose of this course is to examine some aspects of Russian history and geography and to study examples of its literature, drama, and music.

INT 195 Futurology. 2-3 cr. A systematic, interdisciplinary study of the sets of possible, probable, and desirable future environments with which mankind will be confronted (immediate and long-range), with special emphasis on the critical next two decades. The effects on society of rapid technological advances are considered. Prerequisite: none.

INT 197 Basic Photography. 3 cr. An introduction to photography: development of photography, fundamental photographic theory, basic camera handling, developing, printing and enlarging; an introduction of photographic aesthetics. Students must provide a camera. Prerequisite: none.

INT 201 General Honors Seminar. 3 cr. A course designed for students having a demonstrated capacity for outstanding academic work, and a high degree of self-motivation. Weekly group meetings combined with independent research of an interdisciplinary nature will be the format. Open to both freshmen and sophomores.

INT 250 Energy and the Quality of Life. 3 cr. Discussion of the interplay of energy, technology, and culture. The impact on value systems of energy used in technology. The need to project energy use in terms of emerging value systems.

INT 291 Interdisciplinary Field Trip. 1-3 cr. (Same as GLG 291) Formal classroom study of an area of geographic, biological and anthropological interest followed by field study of the area. May be taken more than once.

INT 294 Career Exploration. 1-3 cr. A directed study combined with career experience intended to occur after completion of one or two semesters. Designed to provide an opportunity for students to explore and orient themselves to a career field of their choice. Intended to transfer to a degree-granting institution as elective credit. Prerequisite: completion of 12 credits and consent of instructor.

INT 295 Career Development. 1-3 cr. A directed study combined with career experience intended to occur after completion of 3 or 4 semesters. Designed to provide an opportunity for students to either extend their career development in their chosen discipline or occupation, or to investigate a second career field whether related or unrelated to the experience in INT 294. Intended to transfer to a degree granting institution as an elective credit. Prerequisite: INT 294 and consent of instructor.

INT 296 Careership. 2-6 cr. A directed study combined with career experience intended to occur in the second semester of the sophomore year (or in the first semester of the junior year). A learning contract is designed by the student in concert with a University Center professor and approved for credit as part of the student's major or minor by a member of the department at the degree granting institution to which the student is transferring. Prerequisite: INT 295 and consent of instructor.

JOURNALISM

See Communication Arts

LEARNING RESOURCES

LEA 100 Grammar Skills. 2 non-degree cr. This course covers the basic principles of English grammar including parts of speech, the basic sentence, phrases, clauses, and complex sentences. Designed to increase the student's ability to recognize faulty habits, and to correct these habits. Prerequisite: None.

LEA 101 Speed and Efficiency in Reading. 2 non-degree cr. Speed and efficiency in reading non-fiction prose are achieved through a structural analysis approach. The student is trained to become sensitive to the organizational pattern of good expository writing, and develop a range of reading speeds and judgment about when each should be used. Prerequisite: None.

LEA 102 Learning Skills. 2 non-degree cr. This course assists students in assessing deficiencies and developing effective generalized learning skills. Topics explored include: managing time, taking notes, reading textbooks, taking exams, writing themes and reports, making oral presentations, improving memory and concentration, etc. Prerequisite: None.

LEA 103 Effective Use of the College Library. 1 non-degree cr. This course is designed to provide the student with step-by-step experience in effectively exploiting each major reference resource to be utilized in doing most general and specialized college research assignments. Additional experience in documentation including footnoting, bibliography form is included in the course. Prerequisite: None.

LEA 104 Career Planning & Preparation. 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. Prerequisite: None.

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 decimals, exponents, indices, canceling and binomial reductions.



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.

LEC 103 Reading and Study Skills. 0-1 non-degree cr. A course to aid students to learn to study, to take notes, to budget their time; the technique and organization of research papers and reports; special attention is given to developmental reading.

LEC 106 Introduction to Metrics. 0 cr. An introduction to the metric system, the system of weights and measures which is in use throughout most of the world and will soon be the official US system. Useful to anyone not already familiar with this set of units. Prerequisite: High school algebra or consent of instructor.

MATHEMATICS

MAT 081 Topics in Geometry. 1-3 non-degree cr. Designed for students who have not had high school geometry. Includes methods of proof, properties of simple plane figures, congruence and similarity.

MAT 091 Elementary Algebra. 1-3 non-degree cr. Designed for those who have not had high school algebra. Topics include introduction to sets, binary operations, variable expressions, fractions, factoring, and solving simple equations.

MAT 102 Survey of Mathematics. 2-4 cr. This course is designed as a general education course in mathematics. The course has no fixed collection of topics. The topics are selected from several areas of mathematics by the instructor. They will be presented on an intuitive level with an emphasis on an appreciation of mathematics and the relative importance mathematics has played in society and in other disciplines. It is not intended as preparation for other mathematics courses.

MAT 105 Introduction to College Algebra. 3-4 cr. Sets and logic; basic properties of the real number system; the fundamental operations of algebra; exponents and radicals; linear and quadratic functions and inequalities; graphs; direct and inverse variation; complex numbers and optional topics. Prerequisite: A minimum of two years of high school math from the area of algebra and geometry, or the equivalent. Some campuses offer this course in two one-semester modules for students whose Placement Test scores or prerequisite deficiencies indicate potential difficulty in one semester, four credit courses.

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; complex numbers; theory of polynomial equations; mathematical induction and optional topics. Prerequisite: MAT 105, 3 years of high school math or equivalent.

MAT 113 Trigonometry. 2 cr. Trigonometric functions, their basic properties and graphs; identities, inverse trigonometric functions, solving trigonometric equations; solutions of triangles. Prerequisite: MAT 110 or concurrent registration in MAT 110 or 3 years of high school math, or equivalent.

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, the F-distribution. Prerequisite: MAT 105, or equivalent.

MAT 118 Introductory Mathematics of Finance. 2 cr. Mathematical characteristics of currently used financial growth laws; annuities; amortization; sinking funds and bonds. Prerequisite: MAT 110 or equivalent.

MAT 119 Introductory Finite Probability. 2 cr. The algebra of sets; elementary logic and probability; Bayes theorem; independent events. Prerequisite: MAT 110 or equivalent.

MAT 124 Pre-Calculus Mathematics. 4-5 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. Prerequisite: MAT 105 or equivalent. Students may not receive more than 5 credits for any combination of MAT 110, 113 and 124.

MAT 130 Mathematics for Elementary Teachers. 4 cr. Basic concepts of set theory and logic; structure of mathematical systems; history and development of number systems; systems of numeration; development of the basic algorithms of arithmetic; number theory. Prerequisite: 2 years of high school math from the areas of algebra and geometry, or equivalent, or consent of instructor.

MAT 131 Algebra for Elementary Teachers. 4 cr. Topics selected from linear and abstract algebra with emphasis on topics directly related to the elementary school mathematics curriculum. Principles, aims, methods, and techniques of teaching elementary school mathematics with emphasis upon the teaching of algebraic concepts. Three hours lecture and two hours laboratory per week. Prerequisite: MAT 130, or equivalent.

MAT 132 Geometry for Elementary Teachers. 4 cr. Continuation of MAT 130. The number line; measurement of linear, plane, and solid figures; intuitive geometry including congruence, symmetry and similarity. Prerequisite: MAT 130, or consent of instructor.

MAT 203 Mathematics for Business Analysis. 5 cr. Special functions, variation, series, binomial theorem, and progressions with applications in compound interest, annuities, construction of tables, etc. Derivatives and integrals as applied to business analysis, systems of linear equations, matrices, determinants, linear programming; probability.

Prerequisite: MAT 110, MAT 113, or MAT 124, or concurrent registration in MAT 113 or equivalent.

MAT 211 Calculus and Related Topics. 4 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 for further study in advanced mathematics (e.g. majors in mathematics, physics, etc.) should take the sequence MAT 221, 222, 223. Prerequisite: MAT 110, or MAT 124 or equivalent.

MAT 212 Calculus and Related Topics. 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. Prerequisite: MAT 211, or consent of instructor.

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. Prerequisite: MAT 211 or MAT 221 or equivalent, and a computer course or consent of instructor.

MAT 221 Calculus and Analytic Geometry I. 5 cr. Analytic geometry, functions, limits and continuity, the derivative and the integral techniques of differentiation, applications of differentiation, integration. Prerequisite: MAT 124, or MAT 110 and MAT 113, or equivalent.

MAT 222 Calculus and Analytic Geometry II. 5 cr. Continuation of MAT 221. Applications of integration, logarithmic and exponential functions, trigonometric functions, techniques of integration, polar coordinates and the conic sections, infinite series, vectors. Prerequisite: MAT 221.

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. Prerequisite: 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.

MAT 232 Introduction to Mathematical Logic. 2 cr. Symbolic logic applies to mathematical proofs, particularly those of calculus. This course is designed to enable the student to handle the many proofs in calculus and later math courses. Prerequisite: MAT 221 or concurrent registration in MAT 221, or equivalent, or consent of instructor.

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. Prerequisite: MAT 211, or MAT 221, or equivalent.

MAT 262 Linear Algebra. 3 cr. Matrices and linear systems; vector spaces and linear transformations. Prerequisite: MAT 221 or equivalent.

MAT 271 Ordinary Differential Equations. 3 cr. Ordinary differential equations of the first and second order with emphasis on geometrical interpretations and applications to geometry and physics, linear differential equations with constant coefficients. Prerequisite: MAT 223, or concurrent enrollment in 223.

MAT 299 Independent Reading in Mathematics. 1-3 cr. Prerequisite: Sophomore standing and consent of instructor.

MAT 320 Linear Mathematics. 4 cr. Introduction to linear algebra, vector spaces, matrices, linear transformations and eigenvalues. Ordinary differential equations and linear systems of differential equations. Prerequisite: MAT 223 or equivalent.

MILITARY SCIENCE

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. Prerequisite: none.

MLS 102 U.S. Defense Establishment II. 1 cr. Military organizations, missions and capabilities. Individual weapons and marksmanship. Leadership lab. Prerequisite: none.

MLS 103 Military Science: U.S. Defense Establishment. 1 cr. Principles of warfare and evolution of weapons. Organization and structure of the National Security Council and the Presidency. Operations, missions, and organization of the Navy and Air Force. Organizational study of the Joint Chiefs of Staff, unified and specified commands, and the Department of Defense.

MLS 201 American Military History. 2 cr. A survey of American military history with emphasis on factors which have contributed to the development of military art and theory as practiced in the U.S. Army. Leadership lab. Prerequisite: none.

MLS 202 Introduction to Tactics and Operations. 1-2 cr. The objectives of this course are: to develop an appreciation of the fundamentals and techniques of small unit tactics; to orient the student on the use of maps and map substitutes required for military operations; to introduce the student to the fundamental considerations for military operations. Leadership lab, to include weekend field trip. Prerequisite: none.

MLS 211 Map Reading and Leadership. 2 cr. Utilization of maps and aerial photographs to include terrain appreciation and evaluation; principles of offensive and defensive operations; communications and command control.

MLS 212 U.S. Military History. 2 cr. A study of American history emphasizing factors which contributed to the development of the military establishment, military art and related social and economic trends. Prerequisite: consent of instructor.

MUSIC

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

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

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

MUS 073 Swing Choir. 0-2 cr. Consent of instructor.

MUS 074 Jazz Ensemble. 0-2 cr. Consent of instructor.

MUS 075 Vocal Ensemble. 0-2 cr. Consent of instructor.

MUS 076 Woodwind Ensemble. 0-2 cr. Consent of instructor.

MUS 077 Brass Ensemble. 0-2 cr. Consent of instructor.

MUS 078 Percussion Ensemble. 0-2 cr. Consent of instructor.

MUS 079 String Ensemble. 0-2 cr. Consent of instructor.

MUS 107 Vocal Techniques. 1-2 cr. Theory and practice in fundamentals of singing.

MUS 115 Woodwind Techniques. 1-2 cr. Flute, oboe and bassoon.

MUS 121 Woodwind Techniques. 1-2 cr. Clarinet and saxophone.

MUS 130 Brass Techniques. 1-2 cr. Trumpet and horn.

MUS 131 Theory Fundamentals. 2 cr. Open to non-music majors and music majors or minors needing remedial work before enrolling in Theory 171. Study of basic notation, rhythm, intervals, scales and chords; sight-singing and ear-training. Prerequisite: none.

MUS 132 Theory Fundamentals. 2 cr. Continuation of Music 131, with further study of basic fundamentals plus introduction to chord structure and part-writing; sight-singing and ear-training. Prerequisite: Music 131 or consent of instructor.

MUS 136 Brass Techniques. 1-2 cr. Trombone, baritone and tuba.

MUS 145 Percussion Techniques. 1-2 cr.

MUS 147 String Techniques. 1-2 cr. Guitar.

MUS 148 String Techniques. 1-2 cr. Violin and viola.

MUS 154 String Techniques. 1-2 cr. Cello and string bass.

MUS 160 Percussion Techniques. 1-2 cr.

MUS 170 Fundamentals of Music. 2-3 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.



MUS 171 Music Theory I. 4 cr. Basic notation; intervals, scales and modes; rhythm; contrapuntal harmony, written and keyboard; sight singing and ear training; selected music for harmonic and form analysis. Open to music majors and minors or by consent of instructor.

MUS 172 Music Theory I. 4 cr. Prerequisite: Music 171.

MUS 173 Music Literature and Appreciation. 2-3 cr. A guide to musical enjoyment and understanding; includes listening experiences in various styles and forms of music.

MUS 174 Music Literature and Appreciation. 2-3 cr. A continuation of Music 173.

MUS 271 Music Theory II. 4 cr. Adds to the student's vocabulary non-dominant harmony, altered chords, the Neopolitan sixth, and augmented sixth. Modulation to remote keys, melodic and harmonic dictation from the piano, and sight-singing and keyboard experience with more difficult materials. Prerequisite: Music 172.

MUS 272 Music Theory II. 4 cr. Prerequisite: Music 271.

MUS 273 Jazz History and Appreciation. 2-3 cr. An introduction to the styles and form of jazz through a study of its history and literature. Includes recorded listening experiences.

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. Prerequisite: Music Theory 172 or consent of instructor.

MUS 276 History of Western Music. 3 cr. A continuation of Music 275 starting from 1750 to the present. Prerequisite: Music Theory 172 or consent of instructor.

MUS 280 Conducting. 2 cr. Conducting techniques; emphasis on practical application to vocal and instrumental groups.

MUS 281 Conducting. 2 cr. A continuation of 280.

MUS 295 Selected Studies. 0-3 cr. Single course offerings not listed in the catalog, reflecting individual campus interests. Prerequisite: consent of instructor.

MUS 299 Independent Study. 0-3 cr. Readings, papers, reports, or projects to be determined by the instructor. Prerequisite: consent of instructor.

MUA 299 Independent Study. 0-3 cr. Recitals, musicals, opera, theater, opera workshops.

MUSIC

MUSIC APPLIED CHART

(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					1	093	094	1-2
VOICE	007	008			1	009	010	1-2
GUITAR	011	012			1	013	014	1-2
FLUTE	015				1	016	017	1-2
OBOE	018				1	019	020	1-2
CLARINET	021				1	022	023	1-2
SAXOPHONE	024				1	025	026	1-2
BASSOON	027				1	028	029	1-2
HORN	030				1	031	032	1-2
TRUMPET OR CORNET	033				1	034	035	1-2
TROMBONE	036				1	037	038	1-2
BARITONE	039				1	040	041	1-2
TUBA	042				1	043	044	1-2
PERCUSSION	045				1	046	047	1-2
VIOLIN	048				1	049	050	1-2
VIOLA	051				1	052	053	1-2
CELLO	054				1	055	056	1-2
STRING BASS	057				1	058	059	1-2
HARP	060				1	061	062	1-2
RECORDER	063				1	064	065	1-2
HARPSICHORD	066				1	067	068	1-2

	1ST YEAR		CREDITS	2ND YEAR		CREDITS
PIANO *	105	106	2	205	206	2
ORGAN	103	104	2	203	204	2
VOICE	109	110	2	209	210	2
GUITAR	113	114	2	213	214	2
FLUTE	116	117	2	216	217	2
OBOE	119	120	2	219	220	2
CLARINET	122	123	2	222	223	2
SAXOPHONE	125	126	2	225	226	2
BASSOON	128	129	2	228	229	2
HORN	131	132	2	231	232	2
TRUMPET OR CORNET	134	135	2	234	235	2
TROMBONE	137	138	2	237	238	2
BARITONE	140	141	2	240	241	2
TUBA	143	144	2	243	244	2
PERCUSSION	146	147	2	246	247	2
VIOLIN	149	150	2	249	250	2
VIOLA	152	153	2	252	253	2
CELLO	155	156	2	255	256	2
STRING BASS	158	159	2	258	259	2
HARP	161	162	2	261	262	2
RECORDER	163	164	2	263	264	2
HARPSICHORD	169	170	2	271	272	2

*All Beginning and Elementary Applied Piano may be taught as a class or as private lessons.

PHILOSOPHY

PHI 101 Introduction to Philosophy. 3-4 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. Prerequisite: none. Number of credits at the option of the local campus.

PHI 102 Introduction to Social and Political Philosophy. 3 cr. Studies of differing philosophical views about man and his political and social life. Prerequisite: 3 credits in philosophy recommended but not required.

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. Prerequisite: 3 credits in philosophy recommended but not required.

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. Prerequisite: 3 credits in philosophy recommended but not required.

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. Prerequisite: 3 credits in philosophy recommended but not required.

PHI 211 Elementary Logic. 3-4 cr. Principles, standards and methods of distinguishing good reasoning from bad, as applied to deductive and inductive inferences. Nature and detection of fallacies, and linguistic pitfalls affecting reasoning. Prerequisite: none. Number of credits at the option of the local campus.

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. Prerequisite: 3 credits in philosophy recommended but not required.

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. Prerequisite: 3 credits in philosophy recommended but not required.

PHI 240 Introduction to Existentialism. 3 cr. An introduction to existential philosophy through critical examination of philosophical problems found in the writings of selected existential philosophers from Kierkegaard to the present. Prerequisite: 3*credits in philosophy recommended but not required.

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. Prerequisite: 3 credits in philosophy recommended but not required.

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. Prerequisite: 3 credits in philosophy recommended but not required.

PHI 253 Philosophy of the Arts. 3 cr. Examination of production, appreciation and criticism of works of art; sources and uses of standards. Prerequisite: 3 credits in philosophy recommended but not required.

PHI 258 Man, 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. Prerequisite: 3 credits in philosophy recommended but not required.

PHI 291 Selected Topics in Philosophy. 3 cr. Each course offering must be approved by both the local campus and the chairman of the department. Prerequisite: varies with each offering.

PHI 299 Independent Reading in Philosophy. 1-3 cr. Program must be approved by chairman of the department. Prerequisite: consent of instructor.

Not all courses listed here are offered at all centers. See your campus timetable or the course offerings.

PHYSICAL EDUCATION

Basic physical education open to all students, which develops skills, teaches rules, and prepares for recreational enjoyment.

OBJECT PROJECTION ACTIVITIES
one credit courses

- PED 001 Archery
- 002 Badminton
- 003 Basic Physical Education

- 004 Basic Physical Education
- 005 Basketball
- 006 Beginning Bowling
- 007 Intermediate Bowling
- 008 Canoeing
- 009 Beginning Golf
- 010 Intermediate Golf
- 011 Field Hockey
- 012 Handball, Paddleball, Racketball
- 013 Marksmanship
- 014 Softball
- 015 Squash
- 016 Beginning Tennis
- 017 Intermediate Tennis
- 018 Volleyball
- 019 Weight Training
- 020 Angling

BODY HANDLING ACTIVITIES
one credit courses

- PED 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
- 035 Beginning Horsemanship
- 036 Intermediate Horsemanship
- 037 Judo
- 038 Roller Skating
- 039 Ice Hockey
- 040 Ice Skating
- 041 Beginning Skiing
- 042 Intermediate Skiing
- 043 Cross Country Skiing and Orienteering
- 044 Tumbling and Trampoline
- 045 Wrestling
- 046 Yoga-Relation Technique
- 047 Back Packing
- 048 Orienteering

AQUATIC ACTIVITIES
one credit courses

- PED 055 Beginning Swimming
- 056 Intermediate Swimming
- 057 Synchronized Swimming
- 058 Advanced Life Saving
- 060 Springboard Diving
- 061 Scuba Diving
- 062 Sailing

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

- PED 101 Archery
- 102 Basketball Fundamentals
- 103 Baseball
- 104 Badminton
- 105 Canoeing
- 106 Curling
- 107 Folk & Square Dance
- 108 Social Dance
- 109 Golf
- 110 Handball, Paddleball, Racketball
- 111 Skiing
- 112 Skating
- 113 Beginning Swimming
- 114 Advanced Swimming
- 115 Volleyball
- 116 Tennis
- 117 Soccer
- 118 Weight Training
- 119 Sailing
- 120 Wrestling
- 121 First Aid (Standard Instructor, American Red Cross)
- 122 Water Safety Instructor

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.

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.

PED 203 Introduction to Play and Recreation. 2 cr. Emphasizes design, leadership, programs and the administration of parks and playgrounds.

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.

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.

PED 206 Personal Health. 2-3 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.

PED 207 Basketball Theory and Coaching. 2 cr. Theory and methods of teaching and coaching basketball. Skill analyses, practice schedules, rules, fundamentals of individual and team play are covered.

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.

PED 209 Theory, Technique and Practice (Team Sports). 2 cr. Fundamental movement

skills and an operational understanding of human movement. Lab Practice in selected team sport skills.

PED 210 Theory, Techniques and Practice (Individual Sports). 2 cr. Fundamental movement skills and an operational understanding of human movement. Lab practice in selected individual sport skills.



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.

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.

PED 213 Red Cross First Aid and Emergency Medical Care. 3 cr. Principles and procedures in emergency and home medical care designed to prepare the layman for emergencies likely to be encountered in daily living.

PED 214 Individual and Dual Sports. 2 cr. Theory and practice in golf, tennis and badminton. Emphasis on skill analysis and teaching technique.

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.

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.

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.

PED 299 Independent Study in Physical Education. 1-3 cr. Program must be approved by chairman of the department.

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. Prerequisite: Minimal mathematics preparation.

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. Prerequisite: High school general science and algebra or consent of instructor.

PHY 120 Physical Science. 3-4 cr. Selected topics from physics, geology, and astronomy. This course is not intended for those planning to major in a physical science; it 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. Check the local timetable for credits listed. Not open to those who have had Physics 103, Physics 201, or equivalent. Prerequisites: None.

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. Prerequisite: one unit each of high school algebra and geometry.

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. Prerequisite: Physics 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. Prerequisite: Mathematics 221 or concurrent registration in Mathematics 221 with consent of instructor.

PHY 202 General Physics. 5 cr. A continuation of Physics 201. Electricity, magnetism, light, and nuclear physics. Prerequisite: Physics 201, concurrent registration in MAT 222 or consent of instructor.

PHY 205 Modern Physics. 3 cr. Introduction to atomic, nuclear, solid state physics; kinetic theory, quantum theory. Prerequisite: Physics 201 and consent of instructor.

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. Prerequisite: concurrent registration in Mathematics 221.

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. Prerequisite: Physics 211 and concurrent registration in Mathematics 222.

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. Prerequisite: Physics 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, electromagnetic radiation, statistical physics, solid state physics, relativity, quantum mechanics, atomic and nuclear physics. Prerequisite: Consent of instructor.

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. Prerequisite: consent of instructor.

PHYSIOLOGY

See Biological Sciences

POLITICAL SCIENCE

POL 101 Introduction to Politics. 3-4 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. Open to freshmen and sophomores.

POL 104 American Government and Politics. 3-4 cr. Study of the structure and decision-making processes of American national government; policy issues and problems of American politics. Open to freshmen and sophomores.

POL 106 Comparative Politics of Major Nations. 3-4 cr. Analysis of the political systems of select major nations of the world, stressing comparison of cultures, institutions, processes, and methods of comparative analysis. Open to freshmen and sophomores.

POL 116 Political Continuity and Change. 3-4 cr. A comparative survey of socio-economic and political problems of changing societies. Analysis of cohesive and divisive forces, elites and ideologies affecting development, stability, continuity, and revolution. Open to freshmen and sophomores.

POL 125 State and Local Government. 3-4 cr. Organization, structure and function of state and local governments, with emphasis on Wisconsin. Open to freshmen and sophomores.

POL 175 International Politics. 3-4 cr. Analysis of nation-states and the international system; contemporary issues in the world; political, economic, and military; power relationships among states. Open to freshmen and sophomores.

POL 185 Politics of American Foreign Policy. 3-4 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. Prerequisite: previous course in political science or consent of instructor.

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. Prerequisite: previous course in political science or consent of instructor.

POL 213 Urban Politics. 3 cr. Organization and structure of city government, city politics, development, policy problems and futures. Open to freshmen and sophomores.

POL 222 Political Parties and Pressure Groups. 3 cr. Analysis of the nature and functions of political parties; organization and operation of parties and interest groups; nominations, elections, voting behavior, and role in government. Prerequisite: previous course in political science or consent of instructor.

POL 223 Proseminar in Political Science. 3 cr. The nature and subject of this course to be announced by instructor. Prerequisite: previous course in political science or consent of instructor.

POL 243 Public Administration. 3 cr. An introductory study of the role and principles of administration in modern public and private institutions; analysis of the organized processes of bureaucracy for the effective utilization of human and material resources to attain the goals of society. Prerequisite: previous course in political science or consent of instructor.

POL 253 Government and Business. 3 cr. Role of government in 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. Prerequisite: previous course in political science or economics, or consent of instructor.

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. Prerequisite: consent of instructor.

PSYCHOLOGY

PSY 201 Introductory Psychology. 4 cr. Overview of major content areas in psychology, such as perception, learning, motivation, psychophysiology, development, cognition, research methodology, psychopathology, social psychology, and personality. Recommended: advanced freshman standing. (May not be taken for credit by students who have taken PSY 202.)

PSY 202 Introductory Psychology. 3 cr. (See course description, Psychology 201.) (May not be taken for credit by students who have taken PSY 201.)

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, welfare department, 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. Prerequisite: Psychology 201/202 or concurrent registration AND consent of instructor.

PSY 204 Individuals and Institutions: Concepts/Experience II. 3 cr. Continuation of Psychology 203. Prerequisite: Psychology 203 and consent of instructor.

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. Prerequisite: Psychology 201/202.

PSY 208 Female and Male: Psychology of Gender Differentiation. 3 cr. Discussion of information emerging from research regarding the complex processes involved in determining sexual identity and sex differentiation in behavioral patterns in society. Included are reviews of biological, cultural and psychological factors significant in contemporary American society. Prerequisite: Psychology 201/202 or consent of instructor.

PSY 210 Psychological Statistics. 3 cr. Measures of central tendency, variability; probability, sampling distributions; hypothesis testing, confidence intervals; t-tests; chi-square; regression and correlation (linear) and introduction to analysis of variance (1-way). Prerequisite: Psychology 201/202 or concurrent registration AND introductory college algebra or exemption.

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 transfer credit is not recommended for students taking PSY 210. Prerequisite: PSY 210 and concurrent registration in PSY 225.

PSY 225 Experimental Psychology. 5 cr. Emphasis on research techniques and methodology; collection, analysis, and reporting of psychological data. Lecture and laboratory. Prerequisite: Psychology 210 or an equivalent statistics course, or consent of instructor.

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. Prerequisite: Psychology 201/202. Not open to students taking 560, 561, or 562.

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. Prerequisite: Psychology 201/202.

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. Prerequisite: Psychology 201/202 and consent of instructor.

PSY 411 Current Topics on Psychology. 1-3 cr. Specific topic to be announced in campus timetable. Prerequisite: Psychology 201/202, or consent of instructor.

PSY 449 Animal Behavior. 3 cr. Behavior patterns of animals with particular emphasis on the social behavior, territoriality, sexual behavior, family patterns, aggression, defense and cooperation. Review of both experimental and ethological literature. Prerequisite: Psychology 201/202 and five hours of zoological sciences.

PSY 507 Psychology of Personality. 3 cr. Discussion of major theories and research in personality. Prerequisite: Psychology 201/202.

PSY 509 Abnormal Psychology. 3 cr. A survey of the psychology of abnormal behavior; the nature and social/biological origins of neurotic, psychotic, and other behavioral abnormalities. Prerequisite: Psychology 205 or Psychology 507, or Psychology 560.

PSY 530 Social Psychology. 3 cr. Introduction to the area of social psychology covering such topics as motivation, attitudes, conformity, aggression, and group processes. Prerequisite: Psychology 201/202.

PSY 560 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. Prerequisite: Psychology 201/202.

PSY 561 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. Prerequisite: Psychology 201/202.

PSY 562 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. Prerequisite: Psychology 201/202.

SOCIOLOGY

SOC 101 Man in Society: An Introduction to Sociology. 3 cr. A course in interrelationships of personality, society and culture; social processes, structures, institutions and functions as they affect the building up and tearing down of society. Open to freshmen.

SOC 120 Marriage and the Family. 3 cr. Nature of the family. Processes of courtship and marriage interaction. Correlations of physiological, psychological, economic and sociological contributions to marriage and family life. Open to freshmen.

SOC 125 Contemporary American Society. 3 cr. Patterns of contemporary social life in the United States and Canada; cultural orientation, social structures and dynamics of social change. Open to freshmen.

SOC 130 Social Disorganization. 3 cr. Conditions and processes in personal and social maladjustment; nature of social problems, their relations to social change and basic ideological, technological and institutional structures and processes. Open to freshmen.

SOC 131 Criminal Justice in America. 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. Prerequisite: none.

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. Open to freshmen.

SOC 138 Sociological Perspectives on Women. 3 cr. A sociological examination of the status and role of women in society, including the experience of women in marriage, motherhood, employment and occupational attainment, socialization into six roles and cultural reinforcement of these. Attention to both existing patterns and change in those patterns. Prerequisite: none.

SOC 160 Sociology of Human Sexuality. 3 cr. Social, psychological and sociological aspects of sexual relationships and behavior, including the social psychology of physiological and emotional arousal, interpersonal attraction, and societal regulation on intimate relationships. Concepts and findings in these areas are related to empirical data on sexual behavior, including pre-marital relationships, particularly in American society. Prerequisite: none.

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. Open to freshmen.

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. Prerequisite: sophomore standing.

SOC 291 Selected Topics in Sociology. 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. Prerequisite: sophomore standing plus one other course in sociology or consent of instructor.

SOC 293 Proseminar in Sociology. 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. Prerequisite: sophomore standing plus an introductory course in sociology or anthropology plus one other course in sociology and consent of instructor.

SOC 299 Independent Reading in Sociology. 1-3 cr. Prerequisite: sophomore standing and consent of instructor.

SOC 357 Methods of Sociological Inquiry. 3 cr. Scientific methods and their application in the analysis of society; procedures in testing sociology theory; problem definition, hypothesis construction, collection and evaluation of data. Prerequisite: sophomore standing and an introductory level course in sociology or consent of instructor.

SOC 530 Introductory Social Psychology. 3 cr. (Same as PSY 530) Introduction to the general area of social psychology, covering such topics as motivation, attitude, value, communications, leadership, etc. Prerequisite: sophomore standing and either Sociology 101 or Anthropology 100, or Psychology 201 or 202.

SPANISH (See Foreign Language)

SPEECH AND DRAMATIC ARTS

See Communication Arts

Not all courses listed here are offered at all centers. See your campus timetable or the course offerings.

Baraboo/Sauk County

ANTHROPOLOGY 100, 200
ART 101, 102, 111, 121, 161, 201, 202, 245, 251
BIOLOGICAL SCIENCES
Bacteriology 100
Botany 130, 291
Physiology 202, 203
Zoology 101
BUSINESS & ECONOMICS
Business 201, 202
Economics 203, 204
CHEMISTRY 125, 145, 155, 203, 211, 233, 343, 352, 363
COMMUNICATION ARTS 100, 101, 103, 130, 131, 201, 266
COMPUTER SCIENCE 110, 210
ENGINEERING
Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 200, 203, 204, 205, 211, 227, 251, 297
FOREIGN LANGUAGE
French 101, 102, 201, 202, 276
GEOGRAPHY 123, 124, 342, 350
GEOLOGY 101, 102, 135, 228
HISTORY 101, 102, 119, 120
INTERDISCIPLINARY STUDIES 105, 291, 294, 295
MATHEMATICS 105, 110, 113, 221, 222, 223
MUSIC 071, 072, 073, 074, 075, 076, 077, 078, 170, 171, 172, 173, 174, 273, 275, 276, 295, 299
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 211, 220, 240, 258
PHYSICAL EDUCATION 001, 014, 016, 018, 019, 027, 213
PHYSICS 141, 142, 201, 202
POLITICAL SCIENCE 101, 104
PSYCHOLOGY 202, 205, 560
SOCIOLOGY 101, 120, 130, 134

Barron County

ART 101, 111, 112, 121, 183, 221, 223, 224
ASTRONOMY 100
BIOLOGICAL SCIENCES
Botany 109, 130, 250
Physiology 104
Zoology 101, 140, 277
BUSINESS & ECONOMICS
Business 101, 201, 204
Economics 203, 204
CHEMISTRY 124, 145, 155, 343, 352, 363
COMMUNICATION ARTS 100, 102, 103, 130, 131, 203, 206, 230, 231, 232, 234
COMPUTER SCIENCE 110, 210
EDUCATION 213
ENGINEERING
Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 103, 200, 203, 205, 211, 213, 214, 215, 216, 219
FOREIGN LANGUAGE
French 101, 102, 201, 212
GEOGRAPHY 101, 115, 123, 124, 342, 350
GEOLOGY 101, 102
HISTORY 101, 102, 105, 106, 123, 124, 219, 221, 289, 290, 295, 297, 298
INTERDISCIPLINARY STUDIES 195, 294, 295
MATHEMATICS 102, 105, 117, 124, 130, 132, 220, 221, 222, 223, 262
MUSIC 071, 072, 073, 074, 076, 077, 107, 115, 121, 130, 136, 170, 171, 172, 173, 271, 272, 275, 276
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 211, 241
PHYSICAL EDUCATION 003, 004, 104, 108, 116, 201, 204, 206, 213, 214
PHYSICS 141, 142, 211, 212, 213
POLITICAL SCIENCE 101, 104, 125, 175
PSYCHOLOGY 202, 210, 250, 530
SOCIOLOGY 101, 120, 125

The following courses are taught at least once during a two-year period subject to the availability of faculty, resources, and student demand. Be sure and check the class schedule or timetable for specific information.

Course descriptions, prerequisites, and credit information begins on page 55.

Fond du Lac

ANTHROPOLOGY 100, 102, 200
ART 101, 102, 111, 112, 121, 171, 191, 221, 223, 253
ASTRONOMY 100
BIOLOGICAL SCIENCES
 Bacteriology 101
 Botany 107, 109, 151, 160, 231, 260, 299
 Physiology 104, 235
 Zoology 107, 109, 151, 160, 234, 235, 237, 250, 260, 291, 299
BUSINESS & ECONOMICS
 Business 101, 110, 201, 202, 204
 Economics 101, 203, 204
CHEMISTRY 125, 145, 155, 203, 211, 343, 352, 363
COMMUNICATION ARTS 101, 102, 103, 130, 131, 150, 160, 201, 220, 230, 231, 232, 266, 268
COMPUTER SCIENCE 110, 210
EDUCATION 101
ENGINEERING
 Graphics 102, 113
 Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 200, 201, 213, 214, 215, 216
FOREIGN LANGUAGE
 French 101, 102, 201, 202, 275, 276
GEOGRAPHY 101, 110, 123, 124, 341
GEOLOGY 100, 101, 102, 135, 169, 299, 409, 443
 Meteorology 100
HISTORY 101, 102, 105, 106, 119, 120, 254, 257, 259, 289, 291, 293, 295, 297, 299
MATHEMATICS 081, 091, 102, 105, 110, 113, 118, 119, 124, 130, 132, 211, 221, 222, 223, 240, 271, 320
MILITARY SCIENCE 101
MUSIC 071, 073, 074, 076, 077, 130, 170, 171, 172, 173, 174, 271, 272, 273, 275, 276
 Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 102, 211, 241, 253
PHYSICAL EDUCATION 002, 003, 005, 006, 007, 008, 009, 014, 016, 017, 018, 019, 026, 027, 034, 040, 043, 044, 046, 047, 107, 117, 203, 204, 206, 208, 209, 214, 215, 216, 299
PHYSICS 120, 141, 142, 201, 202
POLITICAL SCIENCE 101, 104, 106, 175, 185
PSYCHOLOGY 202, 205, 210, 530, 561
SOCIOLOGY 101, 120, 130, 170

Fox Valley

ANTHROPOLOGY 100, 105, 200, 202, 204, 291, 308, 314
ART 101, 102, 111, 112, 113, 121, 131, 141, 151, 171, 181, 183, 187, 201, 202, 221, 222, 223, 224, 231, 232, 253, 254, 259
ASTRONOMY 100
BIOLOGICAL SCIENCES
 Bacteriology 101
 Botany 130
 Physiology 235
 Zoology 101, 107, 109, 160, 234, 291
BUSINESS & ECONOMICS
 Business 101, 110, 201, 202, 204, 210
 Economics 101, 203, 204, 230
CHEMISTRY 100, 125, 145, 155, 203, 211, 244, 322, 343, 352, 363
COMMUNICATION ARTS 100, 101, 102, 103, 131, 201, 203, 220
EDUCATION 101
COMPUTER SCIENCE 100, 110, 210, 252, 253, 291
ENGINEERING
 Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 200, 201, 203, 204, 209, 213, 214, 215, 216, 227, 251, 253, 255, 297
FOREIGN LANGUAGES
 French 101, 102, 201, 202
 Spanish 101, 102, 201, 202, 225, 226, 291
GEOGRAPHY 101, 115, 123, 124, 341, 342, 250
GEOLOGY 101, 102, 135
 Meteorology 100
HISTORY 101, 102, 120, 285, 286, 298
INTERDISCIPLINARY STUDIES 197, 250, 291, 294
LEARNING RESOURCES 100, 101, 102, 104
LECTURE FORUM 101
MATHEMATICS 091, 102, 105, 110, 113, 117, 211, 212, 221, 222, 223, 232, 240, 320
MUSIC 070, 071, 072, 074, 075, 076, 077, 170, 171, 172, 173, 273, 295
 Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 106, 201, 211, 241, 258, 291
PHYSICAL EDUCATION 006, 007, 009, 016, 018, 025, 027, 028, 121, 204, 206
PHYSICS 141, 142, 201, 202
POLITICAL SCIENCE 101, 175
PSYCHOLOGY 202, 411, 507, 509, 530, 560, 562
SOCIOLOGY 101, 120, 130, 134, 250, 293, 530

Manitowoc County

ANTHROPOLOGY 102, 200, 204, 291, 299, 399
ART 101, 102, 103, 111, 112, 121, 171, 187, 188, 201, 221, 222, 223, 224, 229
ASTRONOMY 100, 200
BIOLOGICAL SCIENCES
 Bacteriology 101, 299
 Botany 130, 240, 250, 299
 Physiology 235
 Zoology 101, 103, 203, 234, 277, 299, 515, 516
BUSINESS & ECONOMICS
 Business 110, 201, 202, 204, 210, 243, 297, 299
 Economics 101, 203, 204, 230, 243, 297, 299
CHEMISTRY 100, 125, 145, 155, 203, 211, 244, 290, 299, 343, 352, 363
COMMUNICATION ARTS 100, 101, 102, 103, 130, 131, 150, 201, 203, 230, 231, 234, 266, 298, 299, 348, 349
COMPUTER SCIENCE 110, 210, 251, 252, 253, 260, 291, 299
ENGINEERING 100
 Graphics 102, 113
 Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 103, 200, 201, 203, 205, 209, 211, 213, 214, 215, 216, 219, 227, 251, 253, 255, 297, 298, 299
FOREIGN LANGUAGE
 Czechoslovakian 118, 119
 French 101, 102
 German 101, 102, 201, 202
 Polish 118
 Spanish 101, 102
GEOGRAPHY 101, 115, 123, 124, 291, 299
GEOLOGY 100, 443
HISTORY 101, 102, 105, 119, 120, 255, 256, 288, 289, 299
MATHEMATICS 081, 091, 105, 110, 113, 117, 124, 211, 221, 222, 223, 240, 262, 271, 299, 320
MUSIC 070, 071, 072, 074, 075, 131, 132, 170, 171, 172, 173, 275, 280, 299
 Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 103, 106, 211, 241, 258, 291, 299
PHYSICAL EDUCATION - various 1-credit courses are offered each semester
PHYSICS 141, 142, 201, 202, 291, 299
POLITICAL SCIENCE 101, 104, 175, 201, 299
PSYCHOLOGY 202, 205, 208, 250, 507, 530, 550, 560, 561, 562
SOCIOLOGY 101, 120, 125, 130, 291, 299, 530

Marathon County

ANTHROPOLOGY 100, 102, 105, 200, 201, 202, 291, 299, 308, 314
ART 101, 102, 111, 112, 113, 121, 141, 161, 187, 188, 201, 202, 211, 223, 224, 229, 231, 232, 241, 243, 245, 247, 253, 254, 259, 269
ASTRONOMY 100, 200
BIOLOGICAL SCIENCES
Bacteriology 101, 299
Botany 100, 130, 250
Physiology 235
Zoology 101, 234, 250, 299
BUSINESS & ECONOMICS
Business 201, 202, 204
Economics 101, 203, 204, 230
CHEMISTRY 125, 145, 155, 203, 211, 244, 299, 343, 352, 363
COMMUNICATION ARTS 100, 101, 103, 130, 131, 150, 201, 203, 204, 232, 348
COMPUTER SCIENCE 110, 210, 252, 299
EDUCATION 200, 300
ENGLISH & LITERATURE 101, 102, 103, 200, 201, 203, 204, 209, 211, 213, 214, 215, 216, 251, 253, 298, 299
ENGINEERING
Graphics 102, 113
Mechanics 201, 202
FOREIGN LANGUAGE
French 101, 102, 201, 202, 221, 222, 223, 225, 226, 275, 276
German 101, 102, 201, 202, 215, 216, 221, 222, 275, 276
Spanish 101, 102, 201, 202, 226, 275, 291
GEOGRAPHY 110, 123, 124, 125, 342
HISTORY 101, 102, 119, 120, 126, 198, 211, 285, 299
INTERDISCIPLINARY STUDIES 105
LECTURE 101
MATHEMATICS 105, 110, 113, 117, 124, 211, 212, 221, 222, 223, 240, 320
MUSIC 070, 071, 072, 073, 074, 170, 171, 172, 173, 174, 271, 272, 275, 276, 280
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 102, 103, 106, 201, 220, 226, 241, 258, 291
PHYSICAL EDUCATION 001, 002, 005, 006, 008, 009, 012, 014, 016, 017, 018, 019, 020, 025, 027, 029, 030, 031, 032, 034, 041, 042, 044, 047, 055, 056, 058, 059, 101, 102, 103, 104, 105, 107, 108, 109, 110, 111, 113, 114, 115, 116, 118, 204, 211, 213, 291, 299
PHYSICS 107, 141, 142, 201, 202
POLITICAL SCIENCE 101, 104, 106, 175, 222, 223, 299
PSYCHOLOGY 201, 202, 203, 204, 210, 225, 411, 507, 509, 530, 560
SOCIOLOGY 101, 120, 130, 134, 291, 299, 357, 530

Marinette County

ANTHROPOLOGY 100, 200
ART 101, 121, 131, 161, 187, 188, 193, 245, 253, 254, 269
ASTRONOMY 100
BIOLOGICAL SCIENCES
Bacteriology 101
Botany 130, 240
Physiology 104
Zoology 101, 105, 203, 237, 250, 299, 515, 516
BUSINESS & ECONOMICS
Business 101, 110, 201, 202, 204, 210, 241, 243
Economics 101, 203, 204, 230, 243
CHEMISTRY 125, 145, 155, 203, 211, 244, 343, 352, 363
COMMUNICATION ARTS 100, 101, 103, 130, 131, 150, 201, 203, 231, 232, 234, 298, 299
COMPUTER SCIENCE 110, 210
EDUCATION 101, 200
ENGINEERING
Graphics 113
Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 200, 205, 209, 211, 227, 253, 297
GEOGRAPHY 101, 110, 123, 124, 350
HISTORY 101, 102, 119, 120, 255, 280
INTERDISCIPLINARY STUDIES 106, 294, 295
LECTURE 101, 102, 103
MATHEMATICS 105, 110, 113, 117, 130, 221, 222, 223
METEOROLOGY 100
MUSIC 071, 072, 075, 107, 145, 170, 171, 172, 173, 174, 273, 295
Applied: piano, voice, and instrumental music consult; Music Department
PHILOSOPHY 101, 211, 226, 241, 291
PHYSICAL EDUCATION 002, 005, 006, 007, 016, 017, 018, 027, 028, 029, 040, 044, 062, 213
PHYSICS 201, 202
POLITICAL SCIENCE 101, 104, 175
PSYCHOLOGY 201, 205, 507, 509, 530, 560, 562
SOCIOLOGY 101, 120, 125, 130, 134, 170, 291, 530

Marshfield/Wood County

ANTHROPOLOGY 100, 102, 105
ART 101, 102, 103, 111, 112, 121, 141, 151, 161, 173, 187, 188, 193, 221
ASTRONOMY 100, 200
BIOLOGICAL SCIENCES
Bacteriology 101
Botany 130, 299
Physiology 104, 202, 203
Zoology 101, 291, 299
BUSINESS & ECONOMICS
Business 201 (in 2 credit and 4 credit sequence), 202, 204
Economics 203, 204
CHEMISTRY 100, 125, 145, 155, 203, 211, 233, 244, 272, 299, 343, 352, 363
COMMUNICATION ARTS 100, 101, 103, 130, 131, 150, 160, 201, 202, 203, 204, 205, 206, 220, 230, 232, 234, 348, 349
COMPUTER SCIENCE 101, 210
ENGINEERING
Mechanics 201, 202
ENGLISH & LITERATURE 100, 102, 103, 200, 201, 203, 205, 211, 213, 214, 215, 216, 297
FOREIGN LANGUAGE
French 101, 102, 201, 202, 221, 222, 225, 226
GEOGRAPHY 101, 110, 115, 120, 123, 124, 299, 341, 342, 350
HISTORY 101, 102, 119, 120, 127, 219, 255, 259
INTERDISCIPLINARY STUDIES 105, 294, 295
LECTURE FORUM 101, 102
MATHEMATICS 091, 102, 105, 110, 113, 117, 211, 221, 222, 223, 320
MUSIC 070, 071, 072, 074, 075, 170, 171, 172, 173, 174, 271, 272, 275, 276, 299
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 102, 106, 201, 211, 241, 291
PHYSICAL EDUCATION 027, 028, 029, 041, 042, 044, 058, 102, 113, 115, 117, 121, 213, 291
PHYSICS 110, 141, 142, 201, 202
POLITICAL SCIENCE 101, 104, 106, 175
PSYCHOLOGY 201, 205, 250, 299, 507, 550, 560, 562
SOCIOLOGY 101, 120, 125, 130, 134, 170, 291, 299

Medford

ANTHROPOLOGY 100, 200, 291, 299
ART 101, 111, 131, 141, 151, 181, 183, 221, 253
BIOLOGICAL SCIENCES
Botany 107, 130, 250, 291, 299
Physiology 104
Zoology 101, 103, 107, 140, 250, 291, 299
BUSINESS & ECONOMICS
Business 201, 204, 297, 299
Economics 203, 204
CHEMISTRY 125, 145, 155
COMMUNICATION ARTS 101, 103, 203, 299
ENGINEERING
Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 200, 203, 205, 209, 211, 297, 299
FOREIGN LANGUAGE
German 101, 102
GEOGRAPHY 101, 123, 124, 342
HISTORY 101, 102, 105, 106, 255, 290, 299
INTERDISCIPLINARY STUDIES 197, 294, 295
LECTURE FORUM (UNIVERSITY) 101, 102
MATHEMATICS 102, 105, 117, 118, 119, 124, 130, 131, 221, 222, 223
MUSIC 072, 073, 074, 171, 172, 173, 174, 299
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 211, 299
PHYSICAL EDUCATION 002, 005, 006, 009, 013, 014, 016, 018, 019, 027, 028, 055, 056, 058, 102, 103, 104, 106, 109, 115, 116, 204, 206, 214, 213, 216, 291, 299
POLITICAL SCIENCE 101, 104, 125, 299
PSYCHOLOGY 201, 205
SOCIOLOGY 101, 120, 125, 130, 134, 170, 291, 299

Richland

ANTHROPOLOGY 200
ART 101, 102, 111, 112, 161, 173, 181, 183, 193
ASTRONOMY 100
BIOLOGICAL SCIENCES
Bacteriology 101
Botany 109, 130
Forestry 120
Natural Resources 170
Physiology 104, 235
Zoology 101, 140, 234, 250
BUSINESS & ECONOMICS
Business 101, 201, 204, 210, 243
Economics 203, 204, 230
CHEMISTRY 125, 145, 155, 244, 343
COMMUNICATION ARTS 100, 103, 131
COMPUTER SCIENCE 110
EDUCATION 200, 223, 251, 283, 330
ENGINEERING
Graphics 102, 113
Mechanics 111, 201, 202
ENGLISH & LITERATURE 101, 102, 103, 213, 214, 215, 216
FOREIGN LANGUAGE
French 101, 102
GEOGRAPHY 110, 120, 124, 341
GEOLOGY 101, 102
HISTORY 101, 102, 105, 106, 203, 213, 290, 293
LECTURE 101, 102
MATHEMATICS 081, 091, 105, 110, 113, 117, 221, 222, 223, 232
MUSIC 071, 072, 075, 170, 171, 172, 173
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 106
PHYSICAL EDUCATION 003, 004, 028, 102, 109, 115, 116, 120, 202, 204, 206, 207, 209, 210, 212, 213, 214
PHYSICS 141, 142, 201, 202
POLITICAL SCIENCE 101, 104
PSYCHOLOGY 201, 202, 203, 507, 560
SOCIOLOGY 101, 134

—In addition, Independent Study Courses (291 & 299 numbers) are offered in most subject areas.

Rock County

ANTHROPOLOGY 100, 105, 200, 291, 299
ART 101, 102, 103, 111, 112, 121, 141, 187, 188, 201, 202, 221, 222, 223, 224, 229, 241, 243, 245, 247, 249
BIOLOGICAL SCIENCES
Bacteriology 101
Botany 130, 151, 299
Physiology 104
Zoology 101, 151, 160, 299
BUSINESS & ECONOMICS
Business 101, 201, 202, 204, 243, 297, 299
Economics 101, 203, 204, 230, 243, 297, 299
CHEMISTRY 125, 145, 155, 290, 299, 343, 352, 363
COMMUNICATION ARTS 100, 103, 130, 131, 150, 201, 232, 266, 298, 299
COMPUTER SCIENCE 110, 210
ENGINEERING
Graphics 102, 113
Mechanics 201, 202
ENGLISH & LITERATURE 101, 102, 103, 200, 201, 203, 297, 298, 299
FOREIGN LANGUAGE
French 101, 102, 201, 202, 221, 222, 223, 225, 226, 275, 276, 299
Spanish 101, 102, 201, 202, 299
FORUM (University) 101
GEOGRAPHY 101, 110, 123, 124, 350
HISTORY 101, 102, 119, 120, 127, 198, 211, 219, 222, 255, 256, 293, 295, 297, 299
INTERDISCIPLINARY STUDIES 294, 295, 296
MATHEMATICS 081, 091, 105, 110, 113, 211, 212, 221, 222, 223, 240, 320
MUSIC 071, 072, 073, 074, 075, 170, 171, 172, 173, 174, 271, 272, 273, 275, 276, 299
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 201, 211, 226, 258, 291, 299
PHYSICAL EDUCATION 002, 012, 016, 018, 027, 032, 055, 056, 058, 121, 213
PHYSICS 107, 141, 142, 201, 202, 205, 299
POLITICAL SCIENCE 101, 104, 106, 125, 175, 201, 299
PSYCHOLOGY 201, 202, 205, 299, 507, 530, 560
SOCIOLOGY 101, 120, 125, 130, 134, 291, 299, 530

Sheboygan County

ANTHROPOLOGY 100, 102, 105, 200, 202, 291, 293, 314
ART 101, 102, 103, 111, 112, 121, 131, 141, 187, 188, 201, 223, 224, 231, 253, 254
ASTRONOMY 100
BIOLOGICAL SCIENCES
Bacteriology 101
Botany 130, 250, 299
Physiology 202, 203
Zoology 101, 250, 299
BUSINESS & ECONOMICS
Business 101, 110, 201, 202, 242, 243, 297
Economics 101, 203, 204, 230, 297
CHEMISTRY 100, 125, 145, 155, 203, 211, 290, 299, 343, 352, 362, 363
COMMUNICATION ARTS 100, 101, 102, 103, 130, 131, 150, 201, 203, 230, 232, 266
COMPUTER SCIENCE 100, 110, 210, 251, 291
EDUCATION 200
ENGINEERING
Graphics 102, 113
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Applied: piano, voice, and instrumental music; consult Music Department
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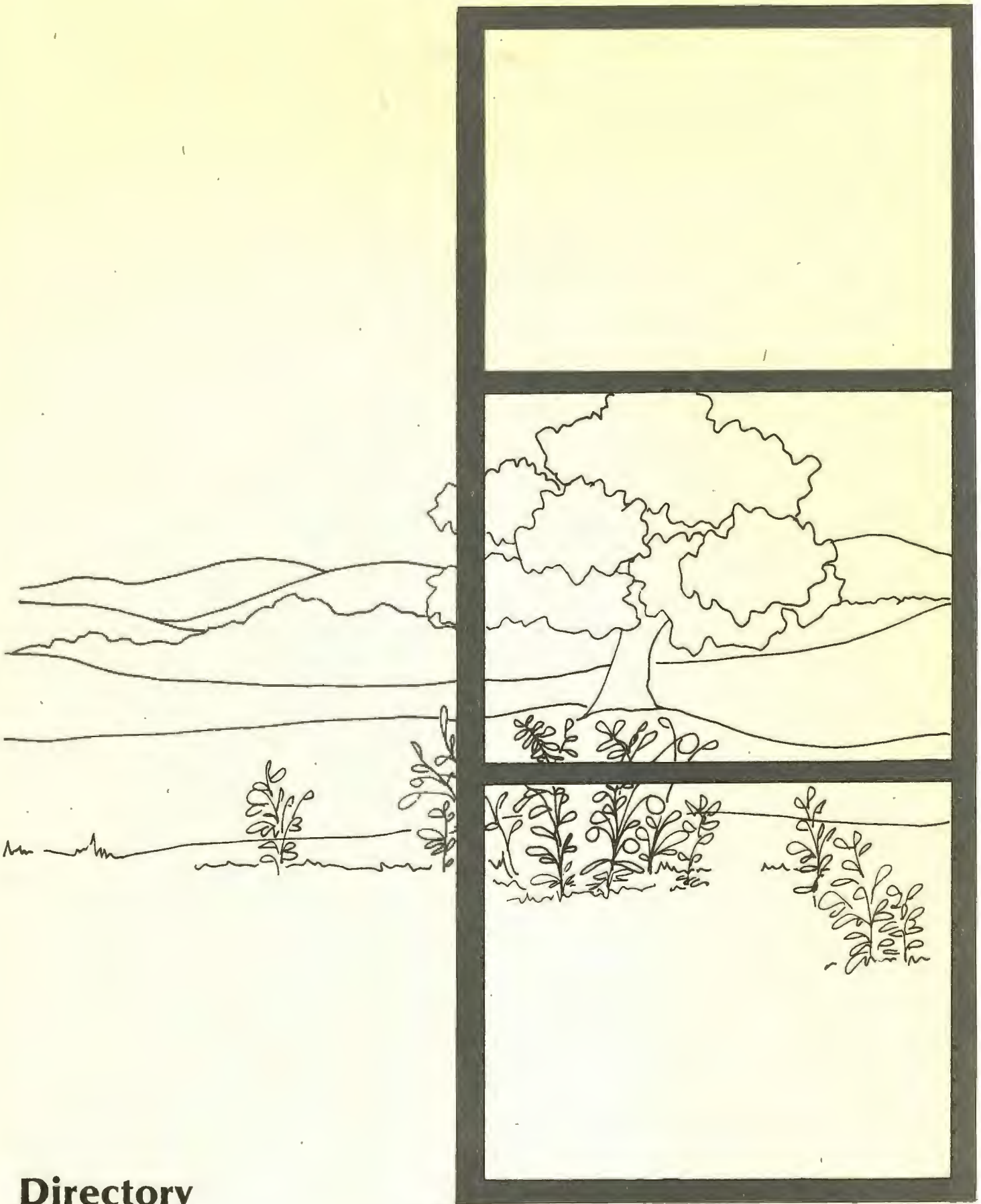
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MUSIC 070, 071, 072, 074, 075, 076, 077, 078, 079, 170, 171, 172, 173, 271, 272, 275, 276
Applied: piano, voice, and instrumental music; consult Music Department
PHILOSOPHY 101, 102, 103, 211, 220, 241, 291
PHYSICAL EDUCATION 009, 016, 041, 043, 058, 059, 101, 117, 118, 122, 203, 205, 206, 213
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Waukesha County

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85 course offerings



Directory

UNIVERSITY OF WISCONSIN SYSTEM

UNIVERSITY OF WISCONSIN CENTER SYSTEM

Board of Regents

Nancy M. Barkla, River Falls
David Beckwith, Milwaukee
Arthur DeBardeleben, Park Falls
James N. Elliott, Milwaukee
Joyce M. Erdman, Madison
Marilyn Fitzgerald, Platteville
Thomas P. Fox, Madison
M. William Gerrard, La Crosse
Herbert J. Grover, Niagara
Dr. Ben R. Lawton, Marshfield
Raymond E. Majerus, Milwaukee
Bertram N. McNamara, Milwaukee
Russell O'Harrow, Oconto Falls
Dr. Barbara Thompson, Madison
Gerard Veneman, Port Edwards
Mary Walter, Baileys Harbor

Central Administration

Dr. Edwin Young, President
Dr. Donald K. Smith, Senior Vice
President, Academic Affairs
Dr. Robert K. Winter, Jr. Vice Presi-
dent for Administration
Ruben Lorenz, Vice President and
Comptroller

Provost for University Out- reach

Dr. Wilson B. Thiede

Fort, Edward B., (1974)
Chancellor
Ph.D., University of California-Berkeley
M.A., Wayne State University
B.A., Wayne State University

VanEyck, Daniel K., (1973)
Associate Chancellor, Academic Affairs
Ph.D., University of Michigan-Ann Arbor
B.A., Carleton College

Kucera, Antone F., (1966)
Assistant Chancellor, Administrative Ser-
vices
M.Ed., DePaul University
B.A., Loras College (Iowa State University)

Shen, Teresa, (1974)
Director of Research Services
Ph.D., University of Iowa
M.A., Michigan State
B.A., Tunghai University

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

Berke, Richard, (1962)
Project Coordinator
M.A., University of Wisconsin
B.A., University of Illinois

Giese, Wanda, (1977)
Special Assistant, Budget Planning
B.S., University of Wisconsin-Madison

Kirchstein, James, (1968)
Media Specialist
B.S.E.E., University of Wisconsin

Kuhl, Donald, (1974)
Program Coordinator
M.S., Iowa State
B.A., Scott College

Lesch, Barbara, (1978)
Coordinator, Affirmative Action & Minor-
ity/Disadvantaged Programs
Ph.D., University of Wisconsin-Madison
M.A., University of Maryland
B.A., Brooklyn College

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

Meier, Gladys, (1964)
Registrar
B.S., University of Wisconsin-Madison

Nametz, John, (1973)
Coordinator, Financial Aids
B.A., University of Wisconsin-Madison

Schwenn, Roger, (1964)
Director of Libraries
M.A., University of Wisconsin-Madison
B.A., University of Wisconsin

Stine, Marilyn, (1977)
Program Coordinator, Public Information
M.A., Southern Illinois University
B.S., Western Michigan University

UWC-Baraboo/ Sauk County

Administration

Savides, Theodore N., (1962)
Dean
B.A., Carroll College, Waukesha
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Bronkalla, Joyce (1972)
Library Assistant
B.A., Saint Scholastica

Chvala, Sharon A., (1977)
Assistant, Continuing Education

Kroll, Christine S., (1975)
Coordinator, Public Information
B.S., University of Wisconsin-Stevens Point

Raught, Linda, (1968)
Business Manager

Smith, Linda I., (1969)
Coordinator, Continuing Education
B.A., Northeastern State College, Tahlequah, Okl.
M.S., University of Illinois-Urbana

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

Stroede, Mary E., (1968)
Specialist, Library
B.A., University of Florida-Gainesville

Umhoefer, Aural M., (1965)
Director, Library Resources Center
B.A., Rosary College
M.S., University of Wisconsin-Madison

Umhoefer, Paul
Library Assistant
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

Vladick, Mark R., (1972)
Specialist, Electronics

Faculty

Brown, Robert G., (1968)
Associate Professor, Communication Arts
B.A., University of Wisconsin-Stevens Point
M.A., University of Wisconsin-Madison

Clingan, Valerie R., (1977)
Lecturer, Anthropology/Sociology
B.A., University of California-Los Angeles
M.A., Washington State University-Pullman

Cole, David W., (1965)
Professor, English
B.A., Oberlin College
M.A., Syracuse University
Ph.D., University of Wisconsin-Madison

Donner, Robert, (1969)
Assistant Professor, Computer Science/
Physics
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison

Duckworth, Bruce, (1977)
Lecturer, Business Economics
B.S., Colorado State University
M.S., University of Minnesota

Durand, Mary Ann, (1971)
Lecturer, Music
B.A., College of Saint Teresa

Eddy, Jennifer E., (1965)
Assistant Professor, Chemistry/Photography
B.A., Bemidji State College
B.S., Bemidji State College
M.S., Bemidji State College

Etzwiler, David J., (1977)
Lecturer, Math
B.S., Saint Joseph's College
M.S., University of Wisconsin-Madison

Grant, Kenneth B., (1978)
Lecturer, English
B.A., DePaul University
M.A., Marquette University
Ph.D., Marquette University

Groy, Shirley A., (1975)
Lecturer, Art
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

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

Meyer, Stephen III, (1977)
Lecturer, History
B.A., State University of New York
Ph.D., Rutgers University

Oesting, Ralph B., (1963)
Professor, Chemistry
B.A., Earlham College
Ph.D., University of Chicago

Perry, Ira E.
Lecturer, Music
Music Cert. Moody Bible Institute
2-Year Cert., Sauk County Teacher's College

Phelps, Janet, (1969)
Assistant Professor, Botany/Zoology
Antioch College, Yellow Springs, Ohio
Ph.D., University of Wisconsin-Madison

Phelps, Laurence N., (1972)
Assistant Professor, Botany/Zoology
B.A., Carleton College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Robkin, Eugene E., (1975)
Assistant Professor, Math
B.S., California Institute of Technology-Pasadena
M.A., University of California-Los Angeles
Ph.D., University of California-Los Angeles

Rundio, Stephen J. III, (1976)
Instructor, Physical Education
A.B., Guilford College
M.Ed., University of North Carolina
Ed.D., University of North Carolina

Schimmel, Dennis J., (1977)
Lecturer, Psychology
B.S., University of Wisconsin-Milwaukee
M.A., Bowling Green State University
Ph.D., Bowling Green State University

Shen, Shu C., (1973)
Assistant Professor, Economics
B.A., Tsing-Hua University
M.A., Columbia University

Solomon, Isaac, (1977)
Instructor, Math
B.S., Rajasthan University, India
M.S., Jodhpur University, India
M.S., Marquette University, Milwaukee

Stitch, Gerald L., (1969)
Associate Professor, Music
High School Assistant
B.A., University of Wisconsin-Madison
M.M., University of Wisconsin-Madison

Travis, Patricia A., (1970)
Associate Professor, Geology
B.S., Michigan State University
Ph.D., Michigan State University

Weiss, Lisbeth, (1978)
Lecturer, Communication Arts
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

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

Wight, Doris, (1973)
Lecturer, English
B.S., University of Wisconsin-Madison

Wight, Douglas A., (1962)
Associate Professor, English
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison

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

Wright, Michael B., (1978)
Lecturer, Philosophy
B.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Wright, Robert H., (1967)
Assistant Professor, Sociology
B.A., University of Texas-Austin
License-et-Lettres, University of France
M.A., University of Missouri

UWC-Barron County

Administration

Meggers, John F., (1966)
Professor, Dean
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Fitz, Thomas, (1967)
Assistant Professor, Librarian
A.B., Southwestern College
M.Div., Drew University
S.T.M., Drew University
M.A., University of Denver

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

Hartmann, Eugene L., (1966)
Professor, Director of Student Services
B.S., College of St. Thomas
M.S., University of Wisconsin-Stout
Ph.D., University of Missouri

Morse, Grant F., (1966)
Assistant Professor, Head Librarian
B.A., Ottawa University
M. Div., Eastern Baptist Theological Seminary
M.L.S., New York State University

Thompson, James D., (1970)
Business Manager

Faculty

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

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

Brownlee, Roland H., (1967)
Associate Professor, Business and Economics
A.B., Columbia College
M.A., Columbia University

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

Ellison, Kathleen F.S., (1977)
Lecturer, Communication Arts,
Director of Theatre
B.A., University of Wisconsin-Green Bay
M.F.S., University of Minnesota-
Minneapolis

Floody, Dale, (1978)
Assistant Professor, Psychology
B.A., St. John's University
M.S., Rutgers University
Ph.D., Rutgers University

Goodwin, Lynda, (1974)
Instructor, Music
B.M.E., University of Wisconsin-Eau Claire
M.M., East Texas State University

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

Haight, Wellington M., (1967)
Associate Professor, Sociology
B.E., University of Wisconsin-Eau Claire
M.A., University of Wyoming

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

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

Hoelt, Mary E., (1971)
Instructor, 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., University of North Dakota

Knudson, Carol A., (1970)
Instructor, English/Communication Arts,
Public Information Officer
B.S., University of Wisconsin-Oshkosh
M.A., Texas Tech University

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

O'Brien, John P., (1966)
Professor, Physical Education
B.S., University of Wisconsin-Madison
M.S., 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)
Assistant Professor, Physical Education
B.S., University of Wisconsin-La Crosse
M.A., Winona State College

Patin, Donald L., (1976)
Assistant Professor, Chemistry
B.S., University of Wisconsin-River Falls
Ph.D., Ohio State University

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

Ruedy, Donald H., (1969)
B.S., University of Wisconsin-River Falls
M.F.A., University of Wisconsin-Madison

Schilling, David H., (1969)
Assistant Professor, Mathematics
B.S., University of Wisconsin-Stevens Point
M.A., San Diego State College

Schmid, Karl N., (1967)
Assistant Professor, Mathematics
B.S., University of Wisconsin-River Falls
M.S., Syracuse University

Stauffer, James M., (1967)
Assistant Professor, Biological Sciences, Zoology
B.A., Carleton College
B.S., University of Wisconsin-Eau Claire
M.S., University of Montana

Thompson, Edward G., (1968)
Assistant Professor, Vocal Music
B.S., University of Wisconsin-River Falls
M.S., University of Wisconsin-Superior

White, Larry D., (1969)
Assistant Professor, Political Science
A.A., Independence Community College
B.S., Pittsburgh State University
D.A., Idaho State University

White, Marilee, (1975)
Lecturer, English
A.A., Highland Kansas Community College
B.S., Kansas State College
M.Ed., Idaho State University

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

UWC-Fond du Lac Administration

Henken, Willard J., (1968)

Professor
Dean
B.S., University of Wisconsin-Oshkosh
M.S., Ph.D., University of Wisconsin-Madison

Beck, Eugene J., (1968)

Professor
Educational Services; Registrar
B.S., M.S., University of Wisconsin-Stout
Ed.D., University of Missouri

Clausen, Thomas H., (1974)

Specialist; Instructional Media
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Stout

Greisch, Richard G., (1969)

Assistant Professor, Geography
Admissions and Financial Aids
B.S., University of Wisconsin-Oshkosh
M.S., University of Wisconsin-Madison

Koch, Paul G., (1969)

Librarian
B.S., University of Wisconsin-Madison
M.S.L.S., University of Wisconsin-Milwaukee

Loehndorf, Allan H., (1968)

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

Thomas, Kenneth J., (1968)

Business Affairs/Student Center
B.S., University of Wisconsin-LaCrosse

Faculty

Armstrong, George M., (1968)

Associate Professor, Biology
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

Barrett, Ronald W., (1970)

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

Bolick, William A., (1969)

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

Flescher, Lawrence R., (1978)

Lecturer, English
A.B., Columbia College
M.A., City College of New York

Griffiths, William P., (1968)

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

Hayes, Elizabeth L., (1968)

Assistant Professor, Biology
B.A., Maryhurst College
M.S., Marquette University

Heil, John B., (1970)

Assistant Professor, Physics
B.A., Beloit College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Holstein, Ruth B., (1975)

Lecturer, Psychology
B.A., MacMurray College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Kelly, Mary K., (1974)

Instructor, Physical Education
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, Speech
B.S., Southern Illinois University-Carbondale
M.S., Southern Illinois University-Carbondale

McGrew, Ayers, (1968)

Assistant Professor, Speech
B.S., Mankato State College
B.A., University of Minnesota
M.A., University of Minnesota

McLane, Margaret E., (1972)

Assistant Professor, History
B.A., Vassar College
M.A., University of Wisconsin-Madison

Ness, Harland M., (1969)

Assistant Professor, Mathematics
B.S., University of Wisconsin-Superior
M.S., Central Michigan University

Nozf, Michael P., (1968)

Lecturer, Sociology
B.A., University of Illinois
M.A., Northern Illinois University

Oliver, Dennis, (1976)

Lecturer, French
B.A., University of Wisconsin-Eau Claire
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

Oliver, James A., (1970)

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

Rigterink, Roger J., (1973)

Assistant Professor, Philosophy
B.A., Carleton College
Ph.D., University of Wisconsin-Madison

Shaw, John G., (1969)

Assistant Professor, Mathematics
B.S., University of Wisconsin-Madison
M.S., Notre Dame University

Sommerfeld, Charles J., (1974)

Assistant Professor, Accounting
B.A., University of Wisconsin-Madison
M.B.S., University of Wisconsin-Madison
CPA (Wisconsin)

Stern, Clarence, (1975)

Associate Professor, History
A.B., Eastern Michigan University
M.A., Wayne State University
Ph.D., University of Nebraska

Tinker, John R., (1969)

Associate Professor, Geology
B.S., Tufts University
M.S., University of North Dakota
Ph.D., University of North Dakota

Van Der Vaart, Richard, (1977)

Lecturer, Physical Education
B.S., University of Wisconsin-La Crosse
M.A., Western Michigan University

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)

Instructor, Chemistry
B.S., University of Wisconsin-Oshkosh
M.S., Purdue University

Wifler, Raymond C., (1968)

Assistant Professor, Music
B.S., University of Wisconsin-Oshkosh
M.M., Michigan State University
Ph.D., Michigan State University

Wiley, Roger E., (1974)

Instructor, Music
B.M.Ed., Sherwood Music School
M.M.Ed., University of South Dakota

Wislinsky, Joan E., (1969)

Assistant Professor, Economics
B.S., University of Wisconsin-Oshkosh
M.A.T., Purdue University

UWC-Fox Valley Administration

Johnson, Rue C., (1973)

Dean
B.A., Brigham Young University
M.A., Brigham Young University
Ph.D., Indiana University
Gall, Elizabeth, (1977)
Specialist/Assistant to the Dean
B.S., University of Wisconsin-Oshkosh
McCune, Helen, (1971)
Director/Student Services
B.A., Grinnel College
Haevers, Thomas, (1974)
Counselor
B.S., University of Wisconsin-Stevens Point
M.A., Ball State University
Kain-Breese, April, (1978)
Specialist/Librarian
B.S., University of Wisconsin-Stevens Point
M.S., University of Wisconsin-Madison
Chard, Peter, (1976)
Specialist/Media Services
B.S.Ed., Kent State University
M.A., Kent State University
Kleinhans, Lee, (1978)
Specialist/Public Information
B.A., University of Michigan
M.A., University of Michigan
Paulson, Marilyn, (1978)
Specialist/Day Care Director
B.A., University of Wisconsin-Oshkosh

Faculty

Anderson, Kenneth, (1965)

Associate Professor, Communication Arts
B.S., Lawrence University
M.S., University of Wisconsin-Madison
Brunet, David, (1976)
Assistant Professor, English
B.A., St. Olaf College
M.A., Columbia University
Ph.D., Columbia University
Collins, Michael, (1975)
Assistant Professor, Sociology
B.S., Loyola of Chicago
M.A., University of Notre Dame
Cundy, Rhonda, (1976)
Assistant Professor, Music
B.M., Cornell of Iowa
M.M., Northwestern University
Doverspike, Franklin, (1963)
Associate Professor, Music
B.A., North Central College
M.M., University of Wisconsin-Madison

Ebisch, Konrad, (1946)

Associate Professor, Geography
B.A., University of Illinois
M.S., University of Illinois
Guither, William, (1966)
Professor, Chemistry
B.A., North Central College
M.S., University of New Mexico
Ph.D., University of New Mexico
Hauxhurst, James, (1976)
Assistant Professor, Biology
B.A., University of California-Santa Barbara
M.A., University of California-Berkeley
Ph.D., University of California-San Diego
Hayes, Patrick, (1976)
Assistant Professor, Business/Economics
B.B.A., Eastern New Mexico University
M.B.A., Eastern New Mexico University
Hrubesky, Donald, (1973)
Associate Professor, English
B.A., St. Norbert College
Ph.D., Kansas State University
Huberty, Lila, (1962)
Associate Professor, Foreign Languages
M.A., University of Wisconsin-Madison
Hunn, Gene, (1979)
Lecturer, Music
B.M., Indiana University
M.M., Indiana University
Keepers, Jerry, (1969)
Assistant Professor, Mathematics
B.S., University of Wisconsin-Oshkosh
M.S., Brown University
M.S., University of Wisconsin-Milwaukee
Kopitzke, Veldor, (1953)
Associate Professor, Business/Economics
B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
LaValley, Dennis, (1978)
Instructor, Art
B.A., Northern College
M.A., University of Wisconsin-Superior
M.F.A., Chicago Art Institute
Lewis, Huntley, (1964)
Associate Professor, Chemistry
B.S., University of Wisconsin-Stevens Point
M.S., Arizona State University
Ph.D., University of Iowa
Livingstone, Biganess, (1976)
Assistant Professor, Art
B.F.A., Massachusetts College of Art
M.Ph., Newton College
McLaren, Theda B., (1977)
Instructor, Communication Arts
B.A., Beloit College
M.A., University of Montana
Mason, Carol, (1960)
Associate Professor, Anthropology
B.A., Florida State University
M.A., University of Michigan
Ph.D., University of Michigan

Minock, Michael

Assistant Professor, Biology
B.A., Stanford University
M.A., California-Northridge
M.S., University of Nebraska-Omaha
Ph.D., Utah State University
Naps, Thomas, (1975)
Assistant Professor, Mathematics
B.S., Marquette University
M.S., Notre Dame University
Ph.D., Notre Dame University
Nyman, Terry, (1976)
Assistant Professor, Mathematics
B.A., Western Michigan University
M.A., Western Michigan University
Ph.D., University of Massachusetts
O'Brien, Michael, (1972)
Associate Professor, History
B.A., Notre Dame University
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison
Potash, Marc, (1977)
Assistant Professor, Psychology
B.A., Utica College of Syracuse University
M.A., Western Kentucky University
M.A., Carleton University-Canada
Ph.D., Carleton University-Canada
Putman, Daniel, (1976)
Assistant Professor, Philosophy
B.A., Marquette University
Ph.D., University of Southern California
Sharma, Virendra, (1969)
Associate Professor, Physics/Astronomy
B.S., Agra University of India
M.S., Agra University of India
Ph.D., Colorado State University
Silha, John, (1974)
Assistant Professor, Business/Economics
B.S., University of Wisconsin-Platteville
M.B.A., Indiana University
Stahl, Neil, (1976)
Associate Professor, Mathematics
B.A., Indiana University
Ph.D., Brown University
Spencer, Michael, (1971)
Assistant Professor, Physical Education
B.S., University of Wisconsin-La Crosse
M.S., University of California-Los Angeles
Utschig, Anne, (1978)
Lecturer, English
B.A., University of Wisconsin-Milwaukee
M.A., University of Minnesota
Warrick, Patricia, (1966)
Professor, English
B.S., Indiana University
B.A., Goshen College
M.A., Purdue University
Ph.D., University of Wisconsin-Milwaukee
Weis, Leonard, (1965)
Associate Professor, Geology
B.S., Harvard University
M.S., Massachusetts Institute of Technology
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UWC-Manitowoc County

Administration

Natunewicz, Chester F., (1976)

Dean
B.S., Yale University
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Bjerke, R.A., (1973)

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B.A., University of Wisconsin-Madison
M.A., University of Wisconsin-Madison
M.A., University of Minnesota
Ph.D., University of Wisconsin-Madison

Fox, Gail, (1973)

Public Information Coordinator
B.A., University of Chicago

Morgan, David W., (1976)

Director, Student Services
B.S., University of Wisconsin-Milwaukee
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Skubal, Susanne, (1976)

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Garrow, Frances D., (1953)

Lecturer, Business
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Graetz, Kenneth R., (1974)

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B.A., University of Wisconsin-Milwaukee
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Gratz, David K., (1976)

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B.A., Wesleyan University
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Kempthorne, Dion Q., (1966)

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B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
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Louzecky, David J., (1977)

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B.S., University of Wisconsin-Madison
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Moses, Glen A., (1975)

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B.S., Wright State University
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Purchatzke, Leroy A., (1967)

Assistant Professor, Chemistry
B.S., University of Wisconsin-Madison
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Semmes, David H., (1966)

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B.S., University of Wisconsin-Madison
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Singh, Bhagat, (1970)

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puter Science

B.Sc., Agra University (India)

M.Sc., Agra University (India)

M.S., University of Illinois

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Sontag, Charles R., (1967)

Associate Professor, Biological Sciences
B.S., Carroll College

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Trask, Kerry A., (1972)

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Science

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Whitt, Carlton D., (1978)

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Bruzewicz, Andrew J., (1975)

Lecturer, Geography and Geology
B.A., University of Chicago
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Corrado, Lawrence C., (1969)

Associate Professor, Physics and Astronomy
B.S., DePaul University
M.S., Arizona State University, Tempe
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Demmon, William E., (1970)

Assistant Professor, Mathematics
B.S., South Dakota School of Mines
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UWC-Marathon County

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Runkel, John, (1974)
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Schmitt, John, (1975)
Associate Librarian
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Burger, Angela, (1965)
Professor, Political Science
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Chen, John, (1977)
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Chevalier, Joseph, (1966)

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B.A., Southern University
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Crabtree, Koby, (1966)
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Fitzgerald, John, (1963)
Associate Professor, Music
B.M., University of Wisconsin-Madison
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Fleming, Thomas, (1978)
Instructor, Art
B.F.A., Pennsylvania State
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Forde, John, (1967)
Assistant Professor, Sociology
B.S., Lawrence University
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Grahls, Francis Lincoln, (1975)
Assistant Professor, Sociology
B.A., Hofstra University
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Grdinic, Marcel, (1966)
Professor, Chemistry
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Grinde, Harlan, (1969)
Assistant Professor, History
B.A., St. Olaf
M.A., University of Wisconsin-Madison
Hall, Richard, (1977)
Lecturer, Business
B.B.A., University of Michigan
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Hendricks, Bryan, (1973)
Associate Professor, Psychology
M.A., University of Illinois
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Hessert, Nancy, (1975)
Lecturer, Spanish
B.S., Northwestern University
M.A., University of Wisconsin-Madison
Hinderer, Drew, (1975)
Assistant Professor, Philosophy
A.B., Hope College
Ph.D., University of Michigan
Hosler, Douglas, (1972)
Assistant Professor, Philosophy
M.A., Yale
Ph.D., University of Pittsburgh
Hosler, M. Bellamy, (1972)
Assistant Professor, Music
M.F.A., Carnegie Institute
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Johnson, Cynthia, (1978)

Lecturer, Mathematics
B.S., Northern Illinois University
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Karkar, Yaqub, (1966)
Professor, Economics
M.A., University of California-Berkeley
Ph.D., University of Indiana
Kelly, John, (1963)
Associate Professor, Chemistry
B.S., Bethany Nazarene
M.S., University of Mississippi
Liss, Frederick, (1970)
Assistant Professor, Mathematics
B.A., Notre Dame
M.A., University of Wisconsin-Madison
Lorence, James, (1966)
Professor, History
M.S., University of Wisconsin-Milwaukee
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Mergendahl, Roger, (1959)
Professor, English
B.A., Bowdoin University
M.A., Boston University
Musolf, Gene, (1958)
Associate Professor, Geography
B.S., University of Wisconsin-Madison
M.S., University of Wisconsin-Madison
Neumann, C. Constance, (1978)
Lecturer, Computer Science/Chemistry
M.S., University of California
M.S., University of Wisconsin
Neuman, Melvin, (1978)
Visiting Assistant Professor, Chemistry
B.S., University of Wisconsin-Milwaukee
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Okroy, Peter, (1970)
Associate Professor, English
M.S., University of Wisconsin-Madison
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Olson, Larry, (1962)
Assistant Professor, Mathematics
B.S., University of Wisconsin-LaCrosse
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Osypowski, Edward, (1971)
Associate Professor, Physics
B.S., University of Wisconsin-Milwaukee
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Pierce, Frank, (1964)
Associate Professor, German
A.B., Franklin & Marshall
M.A., University of Colorado
Podrasky, Joseph, (1969)
Assistant Professor, English
A.B., University of St. Louis
M.A., University of St. Louis
Quinn, Robert, (1963)
Associate Professor, Speech
M.F.A., Goodman
Ph.D., University of Wisconsin
Salli, Arne, (1964)
Associate Professor, Biological Sciences
M.S., University of Wisconsin-Madison
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Schmitz, William, (1959)
 Professor, Biological Sciences
 M.S., University of Wisconsin-Madison
 Ph.D., University of Wisconsin-Madison

Spurgeon, Susan, (1978)
 Lecturer, Mathematics
 B.S., Southwest Baptist

Stremkau, Duane, (1967)
 Associate Professor, Physical Education
 M.S., University of Colorado
 Ph.D., University of Wisconsin-Madison

Ware, Linda, (1964)
 Associate Professor, English
 B.A., Ohio Wesleyan
 M.S., University of Wisconsin

Wells, Paula, (1976)
 Lecturer, Physical Education
 B.S., University of Wisconsin-Madison

Welton, Russell, (1961)
 Associate Professor, Physics
 B.S., University of Wisconsin
 M.S., University of Wisconsin

Whitney, John, (1969)
 Associate Professor, English
 B.A., University of Michigan
 M.A., University of Michigan

Wiseman, Barbara, (1978)
 Lecturer, Mathematics/Engineering
 B.S., Colorado State
 M.Ed., University of Florida

UWC-Marquette County

Administration

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

Bilek, Mary Jean, (1967)
 Public Information Coordinator/Lecturer-
 Journalism
 B.A., University of Wisconsin-Madison

Blazer, Mary S., (1966)
 Continuing Education Specialist,
 UW-Extension
 B.S., University of Wisconsin-Oshkosh

Dealy, Ross, (1979)
 Librarian
 B.A., Southern Methodist University
 M.A., University of Washington
 Ph.D., Indiana University
 M.L.S., University of Oregon

Leigh, Terrance O., (1970)
 Assistant to the Dean & Student Advisor/
 Lecturer, Mathematics
 B.S., University of Wisconsin-Oshkosh
 M.S., St. Louis University

Warner, Bruce P., (1970)
 Director, Student Services
 B.A., Carroll College
 M.A., Northern Michigan University

Faculty

Atwood, Daniel M., (1977)
 Assistant Professor, English
 B.A., University of Wisconsin-Madison
 M.A., George Washington University
 Ph.D., Ohio State University

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

Berry, James E., (1969)
 Associate Professor, Economics
 B.S., Murray State University
 M.S., University of Kentucky

Espenscheid, Lyle L., (1967)
 Assistant Professor, Math/Engineering
 B.A., Wheaton College
 M.A., University of Northern Iowa

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

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

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.S., University of Wisconsin-Madison

Mufti, Masud A., (1976)
 Assistant Professor, Sociology/Anthro
 B.A., University of Panjab, Pakistan
 M.A., University of Panjab, Pakistan
 Ph.D., Louisiana State University

Peterson, Max E., (1970)
 Assistant Professor, Physical Education
 B.A., Augustana College
 M.A., University of Minnesota

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

Schoonover, J. Rodger, (1976)
 Instructor, Music
 B.S., Eastern Illinois University
 M.A., Eastern Illinois University

Williams, Herbert L., (1966)
 Associate Professor, Speech/Theater
 B.A., Mount Union, College
 M.S., University of Wisconsin-Madison

Wresch, William C., (1975)
 Instructor, English
 B.A., San Francisco State University
 M.A., San Francisco State University
 M.S., University of Wisconsin-Madison



UWC-Marshfield/ Wood County

Administration

Koopman, Norbert, (1964)

Dean

B.S., University of Wisconsin-Madison

M.S., University of Wisconsin-Madison

Ph.D., University of Wisconsin-Madison

Bentzler, Geogiane, (1965)

Librarian

B.S., University of Wisconsin-Oshkosh

M.A., George Peabody College for Teachers

Hendler, Peter, (1968)

Business Manager

B.S., University of Wisconsin-Stevens Point

Humphrey, Mark, (1977)

Counselor/Advisor

B.S., University of Wisconsin-Oshkosh

Neumann, Jack, (1973)

Specialist, Instructional Development

A.S., University of Wisconsin Center-Marshfield/Wood County

A.S., North Central Technical Institute

Rowley, Brenda (1976)

Specialist, Library

B.A., Central Michigan University

M.A., University of Minnesota

Scidmore, Herbert, (1966)

Director, Student Services

B.S., University of Wisconsin-River Falls

M.S., University of Wisconsin-Madison

Sokolowski, Neil, (1971)

Public Information

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Faculty

Alexander, James, (1964)

Associate Professor, English

B.A., Brooklyn College

M.A., Notre Dame University

Bauer, Peter, (1966)

Assistant Professor, Mathematics

B.S., University of Wisconsin-Madison

M.S., Northwestern University

Biederwolf, Robert, (1967)

Associate Professor, Music

B.M., University of Wisconsin-Madison

M.M., University of Wisconsin-Madison

Bitner, Thomas, (1969)

Assistant Professor, Geography

B.S., University of Wisconsin-Superior

M.A., Indiana State University

Christensen, Richard, (1966)

Assistant Professor, Mathematics

B.S., University of Wisconsin-Stevens Point

M.A., Northwestern University

Cooksey, Ben, (1974)

Assistant Professor, Biology

B.S., Kansas State College

M.S., Kansas State College

Ph.D., Kansas State University

Danou, Constantine, (1971)

Assistant Professor, Sociology

B.A., Illinois State University

M.A., Illinois State University

Glasmann, Robert Jr., (1978)

Instructor, Music

B.S., Weber State College

M.A., University of Northern Colorado

Grinde, Harlan, (1972)

Associate Professor, History

B.A., St. Olaf College

M.A., University of Wisconsin-Madison

Hall, Philip, (1970)

Associate Professor, Chemistry

B.A., Augustana College

M.A., University of Wisconsin-Madison

Halloran, Donal, (1965)

Assistant Professor, Biology

B.S., University of Massachusetts

M.Ed., University of Massachusetts

Harrington, John, (1968)

Assistant Professor, Physical Education

B.S., University of Wisconsin-Madison

M.S., University of Wisconsin-Madison

Hosler, Douglas, (1972)

Assistant Professor, Philosophy

B.A., Oberlin College

M.A., Yale University

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Leonard, Margaret, (1965)

Associate Professor, Chemistry

A.B., Milwaukee Downer College

M.S., University of Wisconsin-Madison

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Marty, Thomas, (1967)

Assistant Professor, Chemistry

B.S., University of Wisconsin-Madison

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Mornes, James, (1974)

Instructor, Art

B.S., Mankato State College

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Peterson, Jack, (1966)

Assistant Professor, Physics

B.S., University of Wisconsin-Madison

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Riesen, Anne-Jose, (1968)

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Assistant Professor, Business/Economics

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M.A., Eastern Michigan University (Economics)

Ed.S., Eastern Michigan University

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B.A., California State University-Long Beach

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Voelker, Paul, (1972)

Assistant Professor, English

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UWC-Medford

Administration

Slocum, Darwin A., (1973)

Dean

B.S., Mankato State College

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B.A., University of Minnesota-Morris

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Faculty

Amundson, DeLyle S., (1969)

Assistant Professor, Mathematics

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M.S., University of Wyoming

Dennis, Donald D., (1970)

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B.A., Westminster College

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Elvestrom, Michael D., (1978)

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B.A., Central Washington State University

M.A., University of Iowa

M.F.A., University of Iowa

Fisher, Joseph F., (1974)

Assistant Professor, Physical Education

B.S., University of Wisconsin-La Crosse

M.S., Winona State College

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Assistant Professor, English

B.A., Calvin College

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B.S., University of Minnesota

B.A., University of Minnesota

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UWC-Richland Administration

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Director, Admissions & Activities
B.S., University of Wisconsin-Platteville
Walsh, Phyllis A., (1974)
Librarian
B.A., Milton College
M.A., University of Wisconsin-Madison

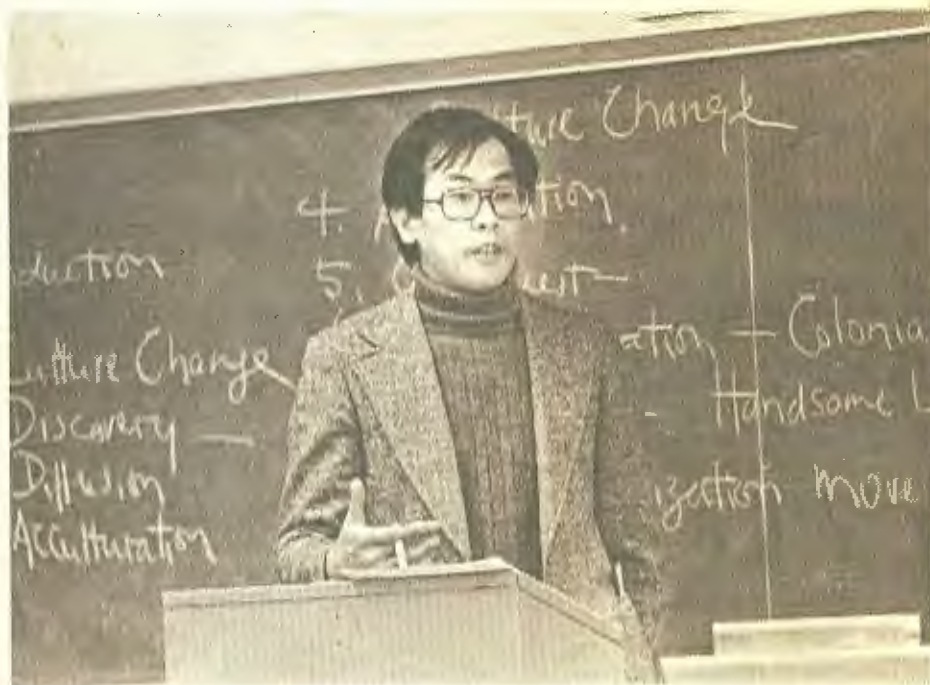
Faculty

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Instructor, Music
B.A., St. Olaf College
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Lecturer, Chemistry
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M.S., Tulane University
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B.S., University of Wisconsin-Platteville
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Birkett, Margaret Jean, (1968)
Assistant Professor, English
B.S., University of Wisconsin-Madison
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Blackmore, Floyd H., (1969)
Associate Professor, Biological Sciences
B.S., University of Illinois-Urbana
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Bower, Jerry L., (1967)
Associate Professor, History
B.S., University of Wisconsin-Stevens Point
M.A., Michigan State University
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Clingan, Valerie R., (1977)
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B.A., University of California-Los Angeles
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B.S., University of Wisconsin-LaCrosse
M.A.T., Indiana University
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B.S., U.S. Military Academy-West Point
M.A., University of Illinois
M.S., University of Illinois

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B.S., University of Reading
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Schrivier, Alice J., (1967)
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B.A., Tsing-Nua University
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Lecturer, Physical Education
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Specialist, Music
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Verhulst, Ardis, (1976)
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UWC-Rock County Administration

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Business Manager
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Director, Student Services
B.S., University of Wisconsin-Madison
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Lenox, Gary J., (1967)
Librarian
B.A., University of Minnesota
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Minahan, Chris, (1977)
Public Information Specialist
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The Campuses



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Calendar**1979-1980*****Fall Semester**

Registration	Aug.	20-24
Classes Start	Aug.	27
Labor Day	Sept.	3
Thanksgiving Recess	Nov.	22-25
Classes End	Dec.	12
Study Period	Dec.	13-14
Final Exam Period	Dec.	17-22
Semester Ends	Dec.	23

Spring Semester

Registration	Jan.	7-11
Classes Start	Jan.	14
Spring Recess	Mar.	29-Apr. 6
Classes End	May	7
Study Period	May	15-16
Final Exam Period	May	10-16
Semester Ends	May	17

*The above calendar is for the following Centers: UWC-Baraboo/Sauk Co., UWC-Barron Co., UWC-Manitowoc Co., UWC-Marshfield/Wood Co., UWC-Medford, UWC-Sheboygan Co., and UWC-Waukesha Co.

Calendar**1979-1980*****Fall Semester**

Registration	Aug.	27-31
Labor Day	Sept.	3
Classes Start	Sept.	4
Thanksgiving Recess	Nov.	22-25
Classes End	Dec.	14
Study Period	Dec.	15-16
Final Exam Period	Dec.	17-22
Semester Ends	Dec.	23

Spring Semester

Registration	Jan.	14-18
Classes Start	Jan.	21
Spring Recess	Mar.	29-Apr. 6
Classes End	May	14
Study Period	May	15-16
Final Exam Period	May	17-23
Semester Ends	May	23

*The above calendar is for the following Centers: UWC-Fond du Lac, UWC-Fox Valley, UWC-Marathon Co., UWC-Richland, UWC-Rock Co., and UWC-Washington Co.

Calendar**1979-1980*****Fall Semester**

Registration	Aug.	22-23
Labor Day	Sept.	3
Class Start	Sept.	4
Thanksgiving Recess	Nov.	22-25
Classes End	Dec.	12
Study Period	Dec.	13-14
Final Exam Period	Dec.	17-21
Semester Ends	Dec.	22

January Interim 1980

Registration	Dec.	26-27
Classes Start	Jan.	2
Classes End	Jan.	29
Final Exams	Jan.	30

Spring Semester

Registration	Jan.	23-24
Classes Start	Feb.	4
Spring Recess	Mar.	29-Apr. 6
Classes End	May	19
Study Period	May	20
Final Exam Period	May	21-27
Semester Ends	May	28

*The above calendar is for UWC-Marinette Co. ONLY.

Calendar**1980-1981*****Fall Semester**

Registration	Aug.	25-29
Labor Day	Sept.	1
Classes Start	Sept.	2
Thanksgiving Recess	Nov.	27-30
Classes End	Dec.	16
Study Period	Dec.	17-21
Final Exam Period	Dec.	18-23
Semester Ends	Dec.	23

Spring Semester

Registration	Jan.	12-16
Classes Start	Jan.	19
Spring Recess	Mar.	16-20
Easter Recess	Apr.	16-19
Classes End	May	13
Study Period	May	14-15
Final Exam Period	May	16-23
Semester Ends	May	23

*The above calendar is for the following Centers: UWC-Baraboo/Sauk Co., UWC—Barron Co., UWC-Fond du Lac, UWC-Fox Valley, UWC-Marathon Co., UWC-Marshfield/Wood Co., UWC-Richland, UWC-Rock Co., UWC-Sheboygan Co., UWC-Washington Co., and UWC-Waukesha Co.

Calendar**1980-1981*****Fall Semester**

Registration	Aug.	18-22
Classes Start	Aug.	25
Labor Day	Sept.	1
Thanksgiving Recess	Nov.	27-30
Classes End	Dec.	13
Study Period	Dec.	15-16
Final Exam Period	Dec.	17-23
Semester Ends	Dec.	23

Spring Semester

Registration	Jan.	5-9
Classes Start	Jan.	12
Spring Recess	Mar.	16-20
Easter Recess	Apr.	16-20
Classes End	May	8
Study Period	May	9-10
Final Exam Period	May	11-16
Semester Ends	May	16

*The above calendar is for the following Centers: UWC-Manitowoc Co. and UWC-Medford.

Calendar**1980-1981*****Fall Semester**

Registration	Aug.	25-26
Labor Day	Sept.	1
Classes Start	Sept.	2
Thanksgiving Recess	Nov.	27-28
Classes End	Dec.	10
Study Period	Dec.	11-12
Final Exam Period	Dec.	15-19
Semester Ends	Dec.	19

January Interim 1981

Registration	Dec.	29-30
Classes Start	Jan.	5
Classes End	Jan.	29
Final Exams	Jan.	30

Spring Semester

Registration	Jan.	21-22
Classes Start	Feb.	2
Spring Recess	Mar.	16-20
Easter Recess	Apr.	16-20
Classes End	May	15
Study Period	May	16-17
Final Exam Period	May	18-22
Semester Ends	May	22

*The above calendar is for UWC-Marinette Co. ONLY.

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