

**CATALOG**

**1965**  
**WISCONSIN STATE UNIVERSITY**

**APPLIED ARTS & SCIENCE  
EDUCATION  
FINE ARTS  
LETTERS & SCIENCE**

**STEVENS POINT**

### THE STUDENT'S RESPONSIBILITY

All colleges establish certain requirements which must be met before a degree is granted. These requirements concern such things as courses, majors and minors, and residence. Advisers, directors, and deans will always help a student meet these requirements, but the student himself is responsible for fulfilling them. At the end of his course the faculty decides whether or not the student will receive a degree. If requirements have not been met, the degree will be refused until such time as they have been met. For this reason it is important for each student to acquaint himself with the requirements and continue to keep himself informed about them during his university career.

Also, it is necessary in the general administration of a university, to establish broad policies and to lay down certain regulations and procedures by which they may be carried out. It is important that a student understand the policies and know the regulations and procedures he is expected to follow.

The catalog is presented, therefore, not only to enable prospective students and others to learn about Wisconsin State University—Stevens Point, but to state policies, requirements, regulations, and procedures in such form as will be of help to the student as he goes through the university.

Series V, No. 5

Whole Number 192

# WISCONSIN STATE UNIVERSITY

**Stevens Point, Wisconsin**

**Established in 1894**

## **Announcements for 1965**

Member of

The American Association of Colleges for Teacher Education

The American Council on Education

The Association of State Colleges and Universities

The North Central Association of Colleges and Secondary Schools

Accredited by

The National Council for Accreditation of Teacher Education

The North Central Association of Colleges and Secondary Schools

Women graduates of the university are eligible for membership  
in the American Association of University Women.

Published quarterly by the Board of Regents of State Colleges.

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## UNIVERSITY CALENDAR 1965-1966

### FIRST SEMESTER

- September 7 ..... Faculty meeting
- September 8 ..... Departmental meetings
- September 9 ..... Registration of new students who have not  
previously registered (Residence Halls open at 1:00 p.m. Meal  
service begins with breakfast on September 10.)
- September 10 ..... Registration of returning students not  
previously registered
- September 10 .... Orientation for new students begins at 1:00 p.m.
- September 13 ..... Classes begin
- September 27 ..... Last day to add a class
- October 15 ..... Last day to remove "Inc."
- October 29 ..... Reports of Unsatisfactory Academic Work are due
- November 25-26 ..... Thanksgiving Recess  
(Residence Halls close at 6:00 p.m. November 24, open at  
1:00 p.m. November 28.)
- December 17 ..... Christmas Recess begins after last class  
(Residence Halls close at 6:00 p.m. December 17, open at  
1:00 p.m. January 2.)
- January 3 ..... Classes resume
- January 14-22 ..... Final examinations  
(Residence Halls close at 6:00 p.m. January 22.)
- January 26 ..... Semester ends

### SECOND SEMESTER

- January 27-28 ..... Registration  
(Residence Halls open at 8:00 a.m. January 27.)
- January 31 ..... Classes begin
- February 14 ..... Last day to add a class
- March 11 ..... Last day to remove "Inc."
- March 25 ..... Reports of Unsatisfactory Academic Work are due
- April 1 ..... Easter Recess begins after last class  
(Residence Halls close at 6:00 p.m. April 1; open at 1:00 p.m.  
April 11.)

April 12 ..... Classes resume  
 May 27-June 4 ..... Final examinations  
 May 29 ..... Commencement  
 May 30 ..... Memorial Day  
 June 4 ..... Semester ends  
 (Residence Halls close at 6:00 p.m. June 4.)

#### SUMMER SESSION 1966

June 13 ..... Classes begin  
 August 4-5 ..... Final examinations  
 August 6 ..... Commencement

### 1966-1967

#### FIRST SEMESTER

September 6 ..... Faculty meeting  
 September 7-9 ..... Registration  
 September 9 ..... New student orientation  
 September 12 ..... Classes begin  
 November 24-25 ..... Thanksgiving Recess  
 December 16 ..... Christmas Recess begins after last class  
 January 2 ..... Classes resume  
 January 13-21 ..... Final Examinations  
 January 25 ..... Semester ends

#### SECOND SEMESTER

January 26-27 ..... Registration  
 January 30 ..... Classes begin  
 March 17 ..... Easter Recess begins after last class  
 March 28 ..... Classes resume  
 May 26-June 3 ..... Final Examinations  
 May 28 ..... Commencement  
 June 3 ..... Semester ends

#### SUMMER SESSION 1967

June 12 ..... Classes begin  
 August 3-4 ..... Final Examinations  
 August 5 ..... Commencement

## UNIVERSITY TERMINOLOGY

The meaning of terms frequently used at this university.

**Advisee, Adviser** — Your adviser is the instructor assigned by the university to help you arrange your academic work. You are called his advisee.

**Co-Curricular** — Same as Extra-Curricular.

**Course** — A particular subject being studied — for example, a course in English.

**Credit** — The numerical reward you receive for completing a university course. The unit used in computing the student's study load is the semester hour, which represents one hour of class work, or its equivalent in other forms of instruction, per week for one semester. A semester hour's work completed with a grade of D or better becomes a credit.

**Curriculum** — The whole body of courses required for a degree.

**Department** — A unit of the university which offers instruction in a particular branch of knowledge — for example, the Department of History.

**Elective** — A course which you may choose to study, as distinguished from one which you are required to take.

**Extracurricular** — Extracurricular activities are those which are part of student life, but are not part of the course of study. Such things as debate, dramatics, athletics, musical organizations, and publications are extracurricular activities.

**Fee** — A charge which the university asks you to pay for certain services it offers you. See the section on Student Expenses.

**General Requirements** — For each of the degrees which the university offers there are certain specified requirements which must be met. These include prescribed work outside a student's major and minor fields. The purpose is to provide a number of the skills, appreciations, and attitudes, as well as the knowledge, that a well-educated person should possess.

**Grade Points** — For reasons of simplicity in bookkeeping, grades are evaluated in terms of grade points. For each credit of A which you earn, you are credited with four grade points; for each credit of B, three grade points; for each credit of C, two grade points; and for each credit of D, one grade point. See the section on Academic Work.

**Graduate Study** — Work beyond the bachelor's degree, usually toward a master's or doctor's degree.

**I.D. Card** — The Student Identification card.

**Load** — The total number of semester hours for which you are registered. See the section on Academic Work.

**Major** — The subject or field of study which you decide to emphasize. Usually, students enrolled in the Elementary Education Division do not have a major. Sometimes, a student may have more than one major.

**Minor** — The field of your secondary emphasis. The hours devoted to your minor field are somewhat less than those allotted to your major. You may choose more than one minor.

**Prerequisite** — The preliminary requirement which must be met before a certain course can be taken. Thus, Chemistry 5 is a prerequisite for Chemistry 6, and must be successfully completed before the latter course can be taken.

**Probation** — A status of trial for a student whose academic work or conduct is unsatisfactory.

**Registration** — The act of enrolling in classes, usually at the beginning of a semester or summer session. This involves choosing your classes with the help of your adviser.

**Required subjects** — Those subjects which are prescribed by the university for the completion of your program. You choose your electives; your required courses are chosen for you.

**Schedule** — A listing of the courses you are taking each semester. Your schedule is your program of studies.

**Semester hour** — See statement under Credit, above.

**Transcript** — A certified copy of your academic record.

**Transfer** — To move from one college to another. The student's record is transferred by means of a transcript. A "transfer" student is one who has attended another college or university, and is now enrolled in this one.

**Undergraduate** — A student who has not yet obtained the bachelor's degree.



## **GENERAL INFORMATION**

### **STATEMENT OF PURPOSES AND LONG RANGE GOALS**

The primary purpose of Wisconsin State University—Stevens Point, is to provide opportunities in higher education for the citizens of the State of Wisconsin. Academic programs are offered in general education, liberal and applied arts, pre-professional and professional study, and adult education.

Rather than producing students who look upon their education only as a means of improving their economic position, it is the objective of the university that all students enrolled, regardless of their curricular program, develop a concept of the signal value of knowledge to mankind, acquire competence in skills of rigorous thinking, achieve an appreciation of the perspective, judgment, and wisdom of a liberally educated person, attain a higher level of creativity, and demonstrate an awareness of the importance of physical fitness. Hence the goals of the university are stated as characteristics of the individual student, the learner, as he becomes an educated person.

### **GOALS:**

1. He communicates effectively by developing the skills of observing, listening, and reading critically, and of writing and speaking with clarity and force.
2. He has an understanding of the history of man and the forces and ideas that have affected human societies, including his own; he is aware of the problems and achievements of various civilizations; and he recognizes that all fields of knowledge are inter-related.
3. He shows concern for the ideals of democracy and social justice and for his responsibility to his fellow-man.
4. He attains competence in a particular field of endeavor.
5. He appreciates and values the life of the mind as shown by: his ability to think clearly and rationally; the development of his intellectual curiosity; and his understanding of and participation in the arts, philosophy, and scientific disciplines.
6. He is able to think clearly about what he, a person, is, and about his life's purpose, thus reflecting the beginnings of wisdom.

## 8      *WISCONSIN STATE UNIVERSITY*

7. He develops an awareness that learning is a life-long process and increasingly becomes self-directed in continuing his education.

To achieve the purposes of the university, emphasis is given to liberal arts and general education studies, the foundation upon which well-conceived professional and pre-professional curricula are based. Work in the last two years provides appropriate specialization.

To those who meet the requirements of the university there is recognition of academic achievement by the granting of appropriate degrees. For those who desire them, there are offerings of cultural opportunities and experiences in general education without regard to the granting of degrees.

The responsibilities of the university are constantly expanding and the staff is continually alert to new and improved ways and means of offering assistance in additional fields of service.

To meet these responsibilities Wisconsin State University offers a number of programs of instruction. A wide range of majors and minors in the usual academic fields is available. In addition, majors are offered in several special fields: art, business education, conservation, home economics, medical technology, music, and speech correction.

The master's degree program for classroom teachers is essentially a summer program. A limited number of courses are available as Saturday and evening classes. It is expected that a year-round program will begin in 1966-67 in selected academic and teacher education areas.

Through its student organizations the university provides excellent opportunities for social development. Its extra-curricular activities offer experience in a number of fields in which students may later work or teach.

### **THE CAMPUS**

Wisconsin State University—Stevens Point, is one of nine state universities. Originally established in 1894 for the preparation of teachers, it is located in a city of about 18,500 in the heart of the Wisconsin River Valley, and in a metropolitan area of 23,000. It serves about 4,000 students from Wisconsin, neighboring states, and several foreign countries. The campus is located about a mile east of the business district of Stevens Point.

The university's dramatic expansion in the past few years has

greatly increased both the academic and social facilities on the campus.

The Main building includes the administrative offices, the auditorium, and general classrooms.

Located a few blocks north of the Main building, the Science building houses the biology, chemistry, geography, and physics departments. Opened in September 1963, the building features a Foucault pendulum, planetarium, facilities for radiation research, greenhouse, live animal room, weather panel with remote recording instruments, and a cartographic reproduction laboratory.

The Physical Education building is located at the corner of Fourth Avenue and Reserve Street, just north of the Science building. It was opened in the fall of 1960 and includes gymnasiums, an indoor practice area, a swimming pool, and several classrooms. Playing fields are being developed just north of the building.

The University Library is located between the University Center and the Main building, connected to these two buildings by tunnels. The book resources of the library, totalling 110,000 volumes, are available for the most part in open-shelf use. Over 1000 titles of periodicals are on file offering back-files to the mid-nineteenth century. The library offers cooperatively with the other state university libraries rapid inter-library service, chiefly by photoduplication of journal materials. The state university libraries have developed a union file of journals for this purpose. Similar cooperative catalogs for other forms of material are in preparation. In 1950 the library was designated an official Federal Documents Depository, providing a rich selection of these materials to add to its extensive collection of documents.

The Campus Laboratory School is located just north of the Main building on Reserve Street. It provides facilities for educational research, for pre-teaching observation, and for demonstration teaching. Student teaching experiences are acquired in the public schools of Stevens Point and neighboring communities.

The Home Management House gives the majors in home economics an opportunity to live in a family unit. Several young women live there each semester with a member of the department, and manage the house as a family group.

The University Center, located just north of the Library, was opened in the spring of 1959. A recent addition, to be completed

## 10 WISCONSIN STATE UNIVERSITY

during the summer of 1965, has doubled its size. The Center serves as the hub of campus social life. It includes dining facilities, a completely equipped snack bar, a variety of meeting, game, and recreation rooms, the office complex of student organizations and publications, and the University Center staff offices.

Nine residence halls, seven of recent construction, are home for more than 2200 students. Residence halls are completely self-financed. All expenses are defrayed by the fees paid by the residents. No tax money is used in the construction or maintenance of residence halls.

The university is making plans for further residence hall construction and for a fine arts building and a learning resources center. A general classroom building is under construction.

### OFFICE HOURS

From September 1 through May, the Administrative Offices of the university are open from 8:00 a.m. to 12 noon and from 1 p.m. to 5 p.m., Monday through Friday. The Business Office and the Registration and Records Office are also open during the noon hour. The offices are closed on Saturday.

During June, July, and August, office hours are 7:30 a.m. to noon and 1 p.m. to 4:30 p.m., Monday through Friday.

### PARKING

Parking facilities are available for faculty, staff, and students, both resident and commuting.

To park on any of the off-street facilities provided by the university, it is necessary to display a parking permit sticker on the vehicle. This sticker can be obtained without cost at the Business Office in the Main Building.

Parking for commuting students is restricted to the Physical Education Building lot. Students living in residence halls may park in lots designated for that purpose.

Faculty and staff may park privately-owned vehicles on any of the facilities provided except those restricted for use of residents of the various residence halls.

A copy of specific parking regulations may be obtained at the Business Office.

With the expanding university population, student parking problems have become more prevalent, and underclassmen are encouraged to leave their cars at home.

## STUDENT LIFE AND ACTIVITIES

### LIVING ACCOMMODATIONS

By administrative action, freshmen and sophomores not living at home are required to live in the residence halls. The underclassmen, and also the advanced student, will find that the individual attention, counseling, programs, and facilities available in the residence hall can be of major assistance in establishing his university career on a firm foundation. Residence halls truly present a living-learning experience.

The following residence halls are available for men and women:

Men	Women
Delzell Hall .... 136 residents	Hyer Hall ..... 200 residents
Pray-Sims Hall .. 404 residents	Nelson Hall ..... 134 residents
Smith Hall ..... 286 residents	Roach Hall .... 318 residents
Steiner Hall ..... 206 residents	

Two additional residence halls are under construction and will open in the fall of 1965. One is for men, the other for women; they will house 276 residents each.

Students living in the residence halls dine at one of the residence centers. Each hall provides lounge and recreational areas, including game rooms, television, laundry facilities, vending and kitchen complexes, and study areas. (See Housing and Dining Services.)

Students who wish to room off campus must live in approved housing as listed in the office of the Director of Housing. These students are required to obtain permission from the Director before attempting to change their housing during the semester.

### STUDENT HEALTH

Wisconsin State University provides a Health Service for students, including the services of a full-time nurse and a part-time physician. The aim of the Health Service is to prevent serious illness by detecting early symptoms and prescribing treatment.

From the physician, who is in attendance approximately two hours per day, Monday through Friday, the student is entitled to medical attention as needed, in the dispensary. From the nurse, the student is entitled to dispensary care as needed.

It is necessary that the prospective student complete the Health

## 12 WISCONSIN STATE UNIVERSITY

Record form and return it to the University as soon as possible after admission.

Hospitalization is provided for any student upon the recommendation of the university physician. Maximum benefits of \$60.00 per year for freshmen and sophomores, and \$80.00 per year for juniors and seniors may be paid. It is necessary, however, for the Health Record to be on file before these benefits can be paid.

A well equipped dispensary is located in Nelson Hall.

### COUNSELING SERVICES

Counseling services are available for all students at the University Counseling Center. Professionally trained counselors assist students with (1) personal or social problems, and (2) educational and vocational planning and difficulties. Standardized tests are sometimes used to help the student understand himself and evaluate his goals. Assistance in study skills and reading improvement are also available at the Counseling Center. There is no charge for the services.

### SPEECH AND HEARING CLINIC

The Speech and Hearing Clinic is located in Room 014 of the Main Building. The Clinic staff provides students with a variety of services. It conducts extensive speech and hearing testing of incoming students in order to identify and aid those students who may need help to improve their communicative skill. Diagnosis, treatment, and referral of speech and hearing difficulties are extended also to the people of the State of Wisconsin. The following are some of the problems encountered in the Clinic: stuttering, articulation defects, cerebral palsy, cleft palate, voice disorders, hearing problems, language disorders, and aphasia.

The Clinic, in conjunction with its educational program, provides practicum experience for students majoring in Speech Pathology and Audiology.

### THE UNIVERSITY CENTER

The University Center serves as a unifying force in the student's co-curricular life. It is a community center organized for students, faculty, staff, alumni, and friends of the University. The Center provides cultural, social, and recreational programs which supplement the student's education in the classroom.

**FRATERNITIES, SORORITIES,  
POLITICAL AND SOCIAL CLUBS**

Social fraternities are Phi Sigma Epsilon, Sigma Pi, Sigma Phi Epsilon, Sigma Tau Gamma and Tau Kappa Epsilon. The sororities are Alpha Phi, Alpha Sigma Alpha, Delta Zeta, and Psi Delta Psi. These groups are governed through the Inter-Fraternity and the Inter-Sorority Councils.

Siasefi is a social club for men.

The "550" club was organized in 1956 for all veterans attending the college.

The Young Democrats and Young Republicans maintain organizations on the campus.

The Students' Wives Club provides an opportunity for students' wives to meet and share social activities. Membership is open to all wives of students who are currently enrolled in the university.

**OFFICER PROGRAMS FOR WOMEN**

Junior and senior women are eligible to apply for an officer's commission in one of the branches of the Armed Forces — Army, Navy, Air Force, or Marine Corps. A graduate who successfully meets all requirements and is accepted for one of the programs will be given officer training. This training may come prior to or after commissioning, depending upon the program selected. The Army, Navy, and Marine Corps also offer programs for training in the summer following the junior year.

Salary is paid during training, and uniforms, medical care, quarters and meals are provided by the government.

**STUDENT SENATE**

The Student Senate is the student governing body at Wisconsin State University—Stevens Point.

The Senate is composed of the following: a president, vice-president, secretary, and treasurer elected by the student body; the vice-president and three elected representatives from each class; and members from the previous year who remain on the Senate for one semester following the expiration of their elected terms. (A revision of Senate membership is under consideration at the present time.)

There are seven standing committees, each with responsibilities in a different area:

## 14 *WISCONSIN STATE UNIVERSITY*

Activities Committee — responsible for selection of cheerleaders, maintenance of student mailboxes, and Awards Day.

Allocations Committee — responsible for allocating the student activity fee to various organizations.

Committee on Committees — responsible for selection of the student members of the student-faculty committees, in such areas as student housing, women's hours, and library policy.

Elections Committee — responsible for the formulation and enforcement of rules for all-school elections.

Public Relations Committee — responsible for communication between the Student Senate and the students, faculty, administration, and community.

Steering Committee — responsible for the formation of the Senate agenda and maintenance of an up-to-date constitution.

Student Organization Recognition Committee (SORC) — responsible for the recognition of student organizations on the campus.

Some services provided by the Student Senate include selection of the cheerleaders, maintenance of mailboxes for off-campus students, organization bulletin boards, and Awards Day.

In the belief that one of the prime objectives of student government is training in citizenship for the student body, the Senate presents Student Government Week each year in conjunction with the spring elections, to help inform students about their student self-government.

### **UNIVERSITY CENTER BOARD**

The University Center Board, through a student committee structure, plans a varied social program, and invites participation of all students in the development and presentation of its program.

The social program is coordinated by the Director of Student Activities whose office is in the University Center.

### **PROFESSIONAL ORGANIZATIONS**

There are several professional organizations in the university. Membership in each consists of the students who are enrolled in a certain division or who are taking work in the same field. The aims of these clubs are in part social, as their activities would indicate, but they also strive to develop in their members a sincere professional interest in the fields they represent.

Alpha Kappa Lambda is composed of students majoring or minoring in conservation. Organized to promote a better under-



standing of natural resources and their intelligent use, it serves the university's Conservation Department through research, public relations and committee services. Its social program features the "Woodchoppers' Ball," an annual venison steak dinner, and a smelt fry.

The **Central State Economics and Business Association** is an organization for students majoring or minoring in economics, and for pre-commerce students. It presents an outlet for ideas, discussions, and interchange of thoughts among students of these subjects. One of the main functions of the association is to bring in outside speakers in economics and related fields.

The **Foreign Language Club** consists of students who study French, German, Russian, and Spanish, and is open to those who have a speaking knowledge of these languages. It is primarily a social club which seeks to promote the study of cultures of the foreign countries through movies, speakers, songs, and other cultural activities.

The **Future Elementary Teachers Association** is an organization of the students who are preparing for intermediate and upper elementary grade teaching.

The **Home Economics Club** includes those majoring and minoring in home economics. In addition to its professional and social activities, it aims to be of service to the university and the community.

The **Mathematics Symposium** is an organization composed of students interested in mathematics. It affords opportunities for students to get together and discuss mathematical topics which may be of interest to them.

The **Primary Council** includes the students who are preparing to teach in primary grades.

The **Spectrum Club** is an organization sponsored by the Sociology Department. Its purpose is to investigate, study, understand, and discuss critical topics involving or having reference to the behavior and life of any or all groups of people.

**Sigma Mu Tau** is an organization for students in the medical technology curriculum.

The **Student National Education Association** and the **Student Wisconsin Education Association** are organizations for students who are preparing to teach. Their programs provide opportunities

## 16 *WISCONSIN STATE UNIVERSITY*

for personal and professional growth, the development of leadership skills, and the participation in professional activities at various levels.

### **ASSOCIATED WOMEN STUDENTS**

Every university woman is automatically a member of the AWS. Its purpose is to promote a program of activities of special interest to college women, to provide opportunities for leadership, and to encourage high standards of social conduct.

It is governed by an executive board which is elected at the beginning of the second semester of each school year. AWS is affiliated with the Inter-collegiate Associated Women Students.

### **ART EXHIBITIONS**

The Art Department and the University Library jointly sponsor a series of art exhibitions throughout the school year. The exhibitions are displayed in the Theater Gallery on the second floor of the Library building. Each exhibition offers the student body an opportunity to become acquainted with professional-level works in various media and expressions. Exhibitions are under the direction of Mr. Keats, and inquiries should be directed to his office.

### **ATHLETICS**

Interscholastic sports in which the university participates as a member of the Wisconsin State University Conference are football, basketball, baseball, track, gymnastics, wrestling, tennis, cross-country, swimming, and golf. In addition, the university competes against most of the other colleges within the state in various sports. All men students physically fit are urged to take part in one or more of these activities. The official "S" sweater is awarded to those who fulfill the requirements established by the Athletics Committee. Men who have won a letter in a varsity sport are eligible to become members of the "S" Club. The "S" Club is an honorary organization from the standpoint of membership, a service organization from the standpoint of function. It provides some of the awards granted by the university; stimulates interest in varsity athletics; and participates in a variety of activities calculated to benefit the whole school.

Intramural athletics for men include touch football, basketball, handball, cross-country, tennis, table tennis, volleyball, badminton, bowling, softball, and horse shoes. The program is planned to

provide a wide variety of activities mainly for those not participating in interscholastic athletics.

Women's sports are planned by the Women's Recreation Association, an organization for which all university women are eligible. WRA supervises and sponsors a variety of recreational activities including archery, badminton, basketball, golf, softball, swimming, tennis, and volleyball.

In the fall a get-acquainted event is held so that the new members become better acquainted with the organization and its objectives. During the year the WRA attends a number of playdays and sports-days held at other colleges in the state.

### DRAMATICS AND FORENSICS

The university offers a rich program of dramatic and forensic activities operated by the Speech and Drama Department and open to all students, whether or not they major or minor in speech.

The dramatics program includes four major productions for the public and a number of "workshop" and experimental projects. These offer laboratory experience in directing, acting, stage design, and the multiple aspects of technical theater, under the leadership of a professional staff. Here is an outlet for many types of talent and interest. Recent productions have run the gamut from *The Merchant of Vernice* to *Death of a Salesman* to *Rhinoceros*. College Theater, the undergraduate student organization, sponsors additional activities and programs, while providing fellowship with others of similar cultural interests. Alpha Psi Omega is the honorary national dramatics fraternity.

Every summer the Department of Speech and Drama offers a Summer Theater program. The acting company has ten members; the directing staff has four. Membership in the acting company is open to qualified students, who are eligible for Wisconsin State University enrollment. Students may enroll for a six credit theater workshop, which uses as its laboratory the actual production conditions in the Summer Theater.

Participation in a series of reading hours, chamber theater, and intercollegiate festivals is also open to all students.

Debate is a developing activity in the university. Both the Varsity and Novice units welcome new members and present opportunity for intercollegiate tournament competition. In 1963-64 the culminating event was participation in a Denver, Colorado, tourney.

## 18 WISCONSIN STATE UNIVERSITY

Other forensic activities and Radio-T.V. Workshop round out the opportunities a student may enjoy under professional guidance.

### MUSIC

Music organizations include the concert band, marching band, choir, choraliers, opera workshop, and orchestra, as well as various small groups such as brass choir, little chorale, percussion ensemble, and woodwind quintet. Membership includes not only students specializing in music but many who desire to continue previous experiences. Several concerts and tours are scheduled.

### PUBLICATIONS

The Iris is the university annual. It is published by a student staff selected by a faculty adviser.

The Pointer, the university newspaper, is issued weekly by the Pointer staff, selected by a faculty adviser from among students interested.

### RADIO AND TELEVISION

The Radio-TV Workshop offers opportunity for study and practice in production. The university has facilities for a carrier-current radio station capable of servicing the residence halls on the campus. Opportunities are provided for work in engineering, announcing, writing, directing, producing, and selling radio programs.

Television programs are prepared by students and faculty and are presented over commercial television stations located in the area served by the university.

### RELIGIOUS ORGANIZATIONS

A number of the churches in Stevens Point sponsor organizations which are designed to strengthen the religious life of the students who desire to affiliate with them. They also provide social, recreational, and cultural programs.

They include:

**Canterbury**, an organization of Episcopal students.

**The Christian Science Organization.**

**Gamma Delta**, a chapter of the National College Fraternity of the Synodical Lutheran Church.

**Inter-Varsity Christian Fellowship**, a non-denominational organization open to all students interested in a study of the Bible.

**The Lutheran Student Association.**

**The Newman Club**, an organization of Roman Catholic students.

The **Roger Williams Fellowship Group**, an organization of Baptist students.

The **United Campus Christian Fellowship**, an all-campus activity sponsored by the Disciples of Christ, Evangelical United Brethren, Presbyterian, and United Church of Christ (Congregational, and Evangelical and Reformed) Churches.

**Wesley Foundation**, an organization of Methodist students and other protestants.

### **REGULATION OF PARTICIPATION IN ACTIVITIES**

The university provides for participation in all the customary activities. In some instances the student may register for credit in these activities. In such cases the activity, being curricular rather than extra-curricular, is counted as a part of the regular study and class program, and may not be added if the number of credits will be in excess of the total number permitted. When a student is registered for credit, his obligations in the activity are the same as in any other course, and at the end of the semester the teacher will give a grade. If the student participates without credit, the activity is extra-curricular.

Activities are important features of college education and students are urged to add to their personal, social, and professional experience and enjoyment by participating in them. However, experience has shown that many students new to university life do not regulate their study and activities wisely, with the result that they fail to maintain the required academic standing.

The following regulations govern participation in extra-curricular activities:

1. The week preceding semester examinations and the period of semester examinations shall be considered as a closed period during which no activities, practices, or rehearsals shall be participated in or sponsored for public presentation by the university. Further, no organized meetings or social activities shall be sponsored by any university organizations during the above period, with the exception of interscholastic athletics.
2. The following regulations are mandatory for all students:
  - a. During his first semester in the university, a student will be permitted participation in no more than two extra-curricular activities.

## 20    *WISCONSIN STATE UNIVERSITY*

- b. Any student on probation will be limited to participation in only one extra-curricular activity.
- c. For the establishment of eligibility of participants, every faculty member in charge of an activity shall furnish the Associate Deans with a list of all participants. Eligibility will be established on the basis of the previous semester's record. Such establishment shall be made at the beginning of each semester, as well as at the beginning of the activity.
- d. The following activities are exempt from the above regulations: religious organizations, professional activities, and intramurals. However, the regulations shall apply to holding office in these activities.

### **NEW STUDENT ORIENTATION**

During the year the university holds several "senior day programs" when prospective freshmen and their parents are invited to come to the campus to visit with faculty and student leaders and get a preview of the university.

During the summer months prior to his entrance as a freshman, the accepted applicant and his parents are invited to spend a day on the campus. During this time he has a conference with his adviser, prepares his class schedule for the first semester, and meets with selected members of the student body. An opportunity is also provided for him to visit with representatives of the Office of Student Affairs regarding housing, financial assistance, and other specific problems.

New students are requested to come to the campus several days prior to the beginning of classes so that special emphasis can be focused upon their individual and group concerns. A series of programs and activities, involving upperclass students and faculty, is devoted to helping new students become acquainted with the university community.

## STUDENT EXPENSES

### TUITION (Regular session)

Residents of Wisconsin .....	No charge
Non-residents (full-time only), per semester .....	\$170.00

### INCIDENTAL FEES (Regular session)

Full-time (8 credits or more), per semester .....	95.00
Part-time (7 credits or less)	
Residents, per credit .....	12.50
Non-residents, per credit .....	35.00

### EXTENSION COURSE FEES

Undergraduate fee, per credit .....	12.50
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### TEXTBOOK RENTAL FEES (Regular session)

Full-time (8 credits or more) .....	7.50
Part-time, per credit .....	.75
Extension and Saturday classes, per credit .....	.50

### STUDENT ACTIVITY FEES (for all students)

Full-time, regular session, per semester .....	15.00
Part-time, regular session, per semester .....	7.50

### UNIVERSITY CENTER FEES (regular session, per semester)

Full-time (8 credits or more) .....	12.00
Part-time (7 credits or less) .....	7.00

**TOTAL FEES** for full-time undergraduate resident students are \$129.50 per semester. The fees quoted above are for the 1964-65 school year. Fees for the 1965-66 school year will not be determined until after the legislature has adopted the 1965-67 budget.

The Student Activity Fee supports athletic, forensic, and student entertainment activities; the Pointer; the Iris; hospitalization payments; and class dues. (Part-time fee does not cover hospitalization and the Iris.)

### REFUNDS

The following statement of refunds applies for tuition, incidental, book rental, activity, and union fees.

During the regular session, a refund of 80% will be granted

## 22 WISCONSIN STATE UNIVERSITY

for withdrawal during the first and second weeks of the semester, 60% during the third week, 40% during the fourth week, and 20% during the fifth week. No refund will be granted after the fifth week.

During the summer session, a refund of 75% will be granted for withdrawal during the first week. No refund will be granted after the first week.

Refunds on Housing and Dining Service deposits will be granted if requested before August 1 for the first semester, or January 1 for the second semester. After the first day of classes, no refunds will be made for housing except in unusual circumstances. Refunds will be made for Dining Service contracts on a pro rata basis. Applications for refunds are available in the office of the Director of Housing.

### MISCELLANEOUS

A Graduation Fee of \$6.00 is payable the semester or summer session the student graduates.

In a number of courses, special fees are assessed to take care of field trips, laboratory breakage, and similar items.

A fee will be assessed in certain Physical Education courses, to cover cost of towel laundering and other items.

A fee of \$2.00 will be assessed if it becomes necessary to replace a lost ID card. This fee is non-refundable.

Courses of individual instruction in applied music (Music 5, 15, and 105) require a special fee of \$25 per course per semester. Special music scholarships are awarded each spring to talented high school seniors; detailed information is given in the MUSIC section of this catalog.

A penalty fee of \$10.00 in addition to all other fees is charged for late registration. This fee is non-refundable.

### HOUSING AND DINING SERVICES

Facilities are available in the residence halls and dining services at the following rates:

**Room** — \$280 per year per student. This includes linens, towels, and their laundering. Students provide their own pillows and blankets. Single rooms and rooms housing three students may be available at slightly different rates.

**Board** — \$370 per year. This provides twenty-one meals per



week. All students who live in the residence halls must eat in the University's dining centers. Students who live off-campus may purchase their board at the same rates available to residents of the halls.

**Deposits** — Applications for housing in the residence halls must be accompanied by a \$20 deposit. Application should be made prior to August 1 for the first semester, and by January 1 for the second semester. Deposits may be applied only to the next regular session.

**Payment** — Students may choose from three payment plans for Housing and Dining Services. Plan A is full payment in advance. Plans B and C are installment plans and include a slight charge for handling costs. Payments should be made by the announced due dates, as all late payments are subject to a penalty charge.

All charges for Housing and Dining Services are subject to change without notice.

## FINANCIAL AIDS

**Scholarships** — For description of freshman scholarships and directions for making application, see the section on ADMISSIONS. Scholarships for upperclassmen are described in the section on

## HONORS.

Special music scholarships are awarded each spring to talented high school seniors; detailed information is given in the MUSIC section of this catalog.

**Loans** — The University has limited funds available for student loans. Students who find they need help to finance their education can borrow money from these funds and repay the loans after graduation. These funds are made possible through the National Defense Education Act of 1958 and the State Student Loan Fund.

**Employment** — Opportunities for work are available at the university and in the local community. The rate of pay varies in accordance with the job, skills, qualifications, and work experience of the student employee.

Lists of job opportunities are available in the Student Affairs office. Work opportunities have been greatly expanded by the Economic Opportunity Act of 1964, which provides federal assistance for work-study programs.

Detailed information regarding scholarships, loans, and employment may be obtained from the Director of Financial Aids.

## **HONORS, HONOR SOCIETIES, AND AWARDS**

### **ACADEMIC HONORS**

The faculty has established a system of academic honors to recognize the achievement of students with high grade point averages. Grade point averages are computed each semester with highest honors designated for students with a grade point average of 3.75 or above, high honors for those earning 3.50 to 3.74, and honors for those achieving 3.20 to 3.49. Letters announcing these honors are sent to parents each semester. A student must complete at least 13 semester hours of work in order to be eligible for recognition.

A terminal recognition honors list is computed on the same grade point basis as above. Computations for the commencement program are based on all grades which count toward graduation earned prior to the final semester. Computation of terminal honors for the transcript includes the final semester. Transfer credits are included in the terminal honors computation except when earned in a non-accredited institution.

### **A.W.S. HONORS GROUP**

In the spring of 1964 the Associated Women Students Association established an Honors Group patterned after Mortar Board National Honorary Society in the hope that in time the group would be recognized by Mortar Board.

To be eligible for membership each woman student must have completed five semesters of college work, be in the upper 35% of her class, and have earned an established number of points for leadership and service to the University.

The aim of the group is to foster scholarship and leadership on the campus. It will also undertake a major service project each year.

### **HONOR SOCIETIES**

**Alpha Gamma** is an honorary social science fraternity open to qualified students who are majoring or minoring in the social science field. Its object is to promote knowledge, to foster an under-

standing of contemporary trends and research, and to encourage scholarship in the social studies.

**Alpha Kappa Rho** is an honor fraternity composed of students who meet certain scholastic standards and who are participants in music organizations on the campus.

**Alpha Phi Omega** is a national service fraternity of college men in the fellowship of the Scout Oath and Law, whose purpose is to develop leadership and provide service.

**Alpha Psi Omega** is a national honorary dramatics fraternity for those showing exceptional ability in dramatics.

**Delta Phi Delta** is a national honorary art fraternity, open to qualified students majoring or minoring in art.

**Phi Alpha Theta** is a national honorary history fraternity; its purpose is to unite those who are interested in history, to provide for their interests, and to encourage research.

**Sigma Tau Delta** is a national honorary fraternity for those showing exceptional ability in the field of English.

**Sigma Zeta**, a national honorary science society, is open to qualified students in science and mathematics.

## AWARDS

The **Alpha Kappa Rho Honor Award** is made annually by the Alpha Kappa Rho Honorary Music Fraternity to the junior who has made the greatest progress in applied music while at the university. The student need not be a music major or minor. This award is \$25.00.

The **J. V. Collins Award** is a cash award of \$25, which is made annually to an outstanding student in mathematics who is selected by the Mathematics Department. The award is made in memory of Dr. J. V. Collins, first mathematics teacher in this university, who served in the position for 43 years.

**Conservation Awards** are presented annually by the Fox River Valley district of the Wisconsin Federation of Garden Clubs in recognition of the importance of conservation. The Federation offers each year two \$50 scholarships to senior students majoring in this field. A faculty committee selects these students on the basis of scholarship, leadership, progressive interest, and a keen

## 26 WISCONSIN STATE UNIVERSITY

desire to do constructive work in the field of conservation after graduation.

The Plover River Sportsmen's Club, Incorporated, also offers annually a scholarship or scholarships to students in Portage County who are majoring in conservation.

The Wisconsin Federation of Garden Clubs also offers annually one \$100 scholarship to a junior student in conservation.

**The Culver-Rogers Award** is presented as a memorial to G. E. Culver and T. A. Rogers, both of whom taught for many years in the Science Department. It is a cash award of approximately \$25 presented annually to an outstanding chemistry, biology, or general science major. The award is presented at the end of the junior year and is made available when the student enrolls as a senior. The memorial fund making possible this award is administered by Sigma Zeta.

**The Bessie May Allen Home Economics Award** of \$100 is given annually to an outstanding junior home economics major.

**Phi Sigma Epsilon Leadership Award** is made by the Phi Sigma Epsilon Fraternity to a senior man who has demonstrated leadership qualities in scholarship and in at least two of the following extra-curricular activities during his university career: music, forensics, athletics, social and professional activities, student publications.

**The Sigma Phi Epsilon Student Honor Cup** is awarded annually by the Sigma Phi Epsilon Fraternity to the graduating senior having the highest scholastic average, provided he has earned at least three-fourths of his credits at this university.

### SCHOLARSHIPS FOR UPPERCLASSMEN

**Inter-Hall Scholarships** — Several full-year tuition scholarships are provided annually by the Inter-Hall Council, a representative body of the residence hall presidents. These scholarships, available to both men and women living in the residence halls, may be awarded to sophomores, juniors, or seniors. The awards are made on the basis of the individual's leadership and contribution to residence hall life. Funds for these scholarships are derived from revenue received from the halls' vending machine operations.

**The May Roach Student Fund** is a scholarship and loan fund established at the time of Miss May Roach's retirement in 1956. Each year a number of business firms in Stevens Point pledge \$150

scholarships for worthy students who are in need of financial help. In addition, the principal is used as a loan fund.

**The C. F. Watson Scholarship Fund** was established by a group of interested citizens in 1959. Each year donations ranging in amounts from \$5 to \$125 are made by business firms and individuals, to provide scholarships to needy and worthy students.

**Legislative Scholarships** — The Board of Regents has authorized scholarships equivalent in value to the payment of all incidental fees to a limited number of upperclassmen who rank high scholastically, who are in financial need, and who possess qualities of leadership. Application for these scholarships can be made in the Office of Student Affairs. Awards will be made in June preceding the next school year.

## **ADMISSION**

### **ENTRANCE REQUIREMENTS FOR FRESHMEN**

To qualify for admission to Wisconsin State University-Stevens Point, a person must meet the following requirements which have been prescribed by the Board of Regents:

1. He must have graduated from a legally established public or private high school with 16 units of work. (A unit represents a norm of five class periods per week in one field of study for a school year of 36 weeks.)
2. He must be recommended by the principal of the high school for admission to the university.
3. He must rank in the upper three-fourths of his graduating class.
4. He must present a minimum of nine units from the following fields: English and speech; foreign language; natural science; history and social science; mathematics.

The American College Test (ACT) is required prior to enrollment. No other entrance exam can be substituted. The test, given several times during the year at locations in Wisconsin and other states, should be taken during the student's senior year of high school. Registration for the test can be made at any high school principal's office. The test results are used by the university for counseling purposes and are also considered in the determination of scholarship awards.

A student in the lowest quarter of his high school class may be admitted on probation on the basis of the high school principal's recommendation and his score on the ACT Exam. The same test is used in all Wisconsin state universities. A student may establish eligibility by summer school attendance. The student must take at least six credits and earn a C average or better in the total credits taken.

### **APPLICATION FOR ADMISSION**

A high school graduate who wants to enroll in the university should write to the Director of Admissions for an application blank, which should be given to the high school principal when properly

filled out. The applicant should request the principal to send the blank to the Admissions Office after adding a record of his credits. A student's eligibility to enroll will then be determined. If he is admitted to the university, a "Permit to Enroll" will be mailed to the applicant.

After the student has finished the seventh semester of his high school course, he may make application for admission. Please refer to the application blank for filing dates. He should follow the procedure outlined in the preceding paragraph.

### **ENTRANCE WITH ADVANCED STANDING**

A student who has taken work at another college may enroll at Stevens Point with advanced standing. Such a student should follow the same procedure as entering freshmen (see above). He should also request that two transcripts of his credits be sent to the Director of Admissions from each college he has previously attended. In addition, a personal reference form must be requested from Stevens Point, completed by the Dean of the institution last attended, and returned to the Director of Admissions at Stevens Point. Credits with a grade of C or better, earned at an accredited institution of college level, may be counted toward graduation provided they fit the general pattern of the curriculum selected by the student.

A student intending to transfer to this university should consult the Dean of the School in which he plans to enroll. The dean will evaluate the credits offered, and will prepare a planning sheet outlining the work necessary to qualify for graduation.

A student who has attended another college and whose overall average is below "C" may be admitted on probation if a similar record at Stevens Point would have entitled him to continue in college on probation.

If a prospective transfer student has been dropped for any reason by the institution he last attended, he is generally ineligible for admission to this university until he has been out of college for at least one semester if he was last registered as a freshman, or for two semesters if he was last registered as a sophomore, junior, or senior. Then he may make application for admission to the Director of Admissions, who will refer his request to the Dean of the School in which he wishes to enroll. A letter stating reasons for previous poor record and interim occupation must accompany the application for admission. Each case is considered on its merits. If a student's

academic record at another college is such that he would have been dismissed had the record been earned at Stevens Point, his admission is also subject to the rules indicated above, even though he was not dropped from the previous college.

#### **RE-ADMISSION OF FORMER STUDENTS**

Former students wishing to re-enter the university must request permission to do so from the Director of Admissions. If the student has attended another college or university since he last attended Stevens Point, two transcripts from each must be filed before eligibility to return will be determined. In addition, a personal reference form must be requested from Stevens Point, completed by the Dean of the institution last attended, and returned to the Director of Admissions at Stevens Point.

#### **ENTRANCE AS AN ADULT SPECIAL STUDENT**

Applicants who are not high school graduates may be admitted as candidates for a degree on their giving satisfactory evidence of their ability to do college work. Such applicants must be twenty-one years of age or must have been in the U.S. armed services.

Persons intending to enroll in this category should follow applicable procedures for enrolling outlined above, but should also write the Director of Admissions regarding their educational background.

#### **LATE REGISTRATION**

No student may register in the university, or for an additional course, after the end of the second week of classes in any semester. Students who register more than one week after the semester opens may be required to carry a reduced study load.

#### **APPLICATION FOR LEGISLATIVE SCHOLARSHIPS**

Certain scholarships, described below, are awarded to incoming freshmen. Applications should be sent to the Director of Admissions any time after a student's rank in his high school class has been determined. Special application blanks are available from the high school principal or the University Admissions Office. All applications should be in by May 1 so awards can be made at high school graduation.

The Legislature has given the Board of Regents of State Colleges the authority to grant scholarships (known as "A" type) equivalent in value to the payment of all incidental fees, to fresh-



men who ranked high in scholarship during their high school course. The award is made to the highest ranking graduate in schools enrolling less than two hundred fifty students; to those ranking first and second in schools enrolling two hundred fifty to seven hundred fifty students; and to those ranking first, second, and third in schools enrolling seven hundred fifty or more students.

In case the person or persons eligible for scholarships under these provisions do not elect to enroll at a state college, then the scholarships may be granted to the person or persons who were next highest in scholastic rank. These provisions apply to both public and private Wisconsin high schools.

The Board of Regents also grants scholarships, equivalent in value to the payment of all incidental fees (called "B" type), to a limited number of freshmen who ranked in the upper half of their high school class, who are in financial need, who possess qualifications of leadership, and who are bona fide residents of the state. Similar scholarships are granted to non-residents of the state, to foreign students, and to students from outside the continental United States who are United States citizens.

## **ACADEMIC WORK**

### **ACADEMIC REGULATIONS**

Primary responsibility for learning and following the regulations of the university and for completing all graduation requirements at the proper time rests with the student. While faculty advisers will assist students in planning their programs, they are not expected to relieve students of their responsibility.

### **STUDENT COUNSELING**

On enrolling in this university, a student is assigned to an adviser who will help him arrange his academic program along lines suggested by the student. Several times during the year the adviser holds conferences with the student on the progress of his academic work, his extra-curricular program, his work load outside school, or on any other phase of the student's life at the university.

### **MAJORS AND MINORS**

Both Majors and Minors are offered in the following fields:

American Civilization, art, biology, chemistry, conservation, economics, English, French, general science, geography, German, history, home economics, mathematics, music, physics, political science, psychology, social science, sociology, and speech. A major only is offered in business administration, business education, and in medical technology.

Minors are also offered in Latin American studies, library science, philosophy, and physical education.

Students should consult the section on the School of Letters and Science, the School of Education, the School of Applied Arts and Science, or the School of Fine Arts, to determine circumstances within which majors and minors are required. Courses required to complete each major and minor are to be found in the section of this catalog entitled Description of Courses.

### **THE SEMESTER HOUR; THE CREDIT**

The unit used in computing the student's study load is the semester hour, which represents one hour of class work, or its equivalent in other forms of instruction, per week for one semester.

Two, or sometimes three, hours of laboratory work are usually considered the equivalent of one hour of class work.

A semester hour's work completed with a grade of D or better becomes a credit.

### STUDY LOAD

In order to graduate, a student must earn 120 credits in addition to credits in required physical education.

A normal study load is 15 semester hours, plus one semester hour of physical education when required. The student's dean may permit up to 17 semester hours, plus one semester hour of physical education when required. The committee of Academic Deans considers appeals to take loads in excess of these amounts, but permission to do so is granted only in unusual cases and only to students whose academic records warrant the exceptions.

Veterans under Public Law 550 are expected by the Veterans Administration to carry 14 semester hours to qualify for full benefits.

Students registering more than one week late in any semester will find it difficult to carry the normal load for that semester, and may be required to take a reduced load.

### GRADING SYSTEM

Semester grades are recorded by letter only and each letter grade carries a specific number of points per semester hour. The scale of grades and points follows:

Grade	Points per Semester Hour
A (excellent) .....	4
B (good) .....	3
C (satisfactory) .....	2
D (poor) .....	1
F (failure) .....	0

These additional designations are used:

S indicates that the work in a continuation course is satisfactory, and that the grade for (both portions of) the course will be assigned when the entire course is completed.

W (Withdrawn) indicates that a course was dropped after the end of the second week of classes but prior to the end of the ninth week of classes. Courses dropped before the end of the second week of classes do not appear on the student's record. (Not included in calculating the grade point average.)

WP (Withdrawn passing) indicates that a course was dropped after the end of the ninth week of classes, while the student was doing passing work. (See last two paragraphs under "Change of Registration.") (Not included in calculating the grade point average.)

WF (Withdrawn failing) indicates that a course was dropped after the end of the ninth week of classes, while the student was doing failing work. (Included in calculating the grade point average.)

Inc (Incomplete) indicates that the student's work in a course is incomplete, and that the student has obtained the instructor's permission to complete the course. (See statement on "Incompletes.")

**The Grade Point Average (GPA)** is computed by dividing the number of points earned by the number of semester hours elected. In computing the grade point average, "WF" is treated as an "F". The designations "S", "W", and "WP" are not included in the computation of the grade point average. The maximum average is 4.00; the minimum is 0.00. The grade point average is used in determining eligibility for honors, admission to divisions, and membership in a number of campus organizations, when scholastic achievement is one of the criteria. It represents the general quality of a student's work.

**The Point-Credit Ratio** is based on the number of credits earned in courses passed, and on the number of points earned in these courses. The maximum ratio is 4.00; the minimum is 1.00. A student must have a point credit ratio of 2.00 in order to be eligible for graduation.

### **INCOMPLETES**

A report of incomplete indicates that the student's work in a course is incomplete, and that the student has obtained the instructor's permission to complete the course. The instructor will indicate on the grade report what work must be completed in order for the student to receive credit and will also indicate the approximate grade at the time the work became incomplete.

An "Incomplete" must be removed during the first six weeks of the next semester or it automatically becomes a failure. An extension of this time limit may be granted by the instructor, in

which case he will file a written statement to this effect with the registrar.

### CLASSIFICATION

A student must have 25 credits and 50 grade points before he may register as a sophomore; 58 credits and 116 grade points and be accepted by a major department or division before he may register as a junior; and 88 credits and 176 grade points before he may register as a senior. Required physical education credits will not be included in these classifications. A point-credit ratio of 2.00 is necessary for graduation.

### PROBATION

A student may be on academic probation for any one of several reasons. The period of probation is one semester.

1. A freshman may be admitted on probation. See the statement under "Entrance Requirements for Freshmen."
2. A student who has attended another college or university and whose overall average is below "C" may be admitted on probation if a similar record at this university would have entitled him to continue in the university on probation.
3. Any transfer student admitted to the university who was on probation at the time of his withdrawal from the previous institution attended, or who was dropped there, is automatically placed on probation, and the probationary regulations of this university apply thereafter.
4. A student who has been readmitted after being suspended for academic reasons is placed on probation.
5. A student will be placed on probation if his cumulative grade point average at the end of any semester is less than 2.00. Special terms of probation may be set by the Dean of the School in which the student is registered.

### SUSPENSION; READMISSION

- I. A student will be suspended from the university on the basis of his academic record for any one of the following reasons:
  1. A student will be suspended at the end of his first semester in the university if his grade point average is below 1.00.
  2. A freshman will be suspended at the end of the second semester of the academic year if both his grade point aver-

age for the second semester of the academic year is below 2.00 and his cumulative grade point average is below 1.75.

3. A sophomore, junior, or senior will be suspended at the end of the second semester of the academic year if both his grade point average is below 1.75 for the year and his cumulative grade point average is below 2.00.
  4. A sophomore, junior, or senior who has been on academic probation will be suspended at the end of the second semester of the academic year if both his grade point average is below 2.00 for the year and his cumulative grade point average is below 2.00.
  5. If a student has a number of semesters with less than 2.00 grade point average in each, his record may be reviewed by the Dean of the School in which he is enrolled, with a view to possible suspension from the university, even though his cumulative record may be more than 2.00.
- II. A student who has been suspended from this university may apply to the Director of Admissions for readmission. Generally, such a student will not be readmitted until he has been out of college for one semester if he was last registered as a freshman, or for two semesters if he was last registered as a sophomore, junior, or senior.

If the student believes that there are extenuating circumstances which might justify immediate readmission following a suspension, the student may appeal to the Dean of the School in which he was last enrolled.

Summer session is available for a student who wants to improve his record to support his appeal for readmission.

- III. If a prospective transfer student has been dropped for any reason by the institution he last attended, he is generally ineligible for admission to this university until he has been out of college for at least one semester if he was last registered as a freshman, or for two semesters if he was last registered as a sophomore, junior, or senior. Then he may make application for admission to the Director of Admissions, who will refer his request to the Dean of the School in which he wishes to enroll. A letter stating reasons for previous poor record and interim occupation must accompany application

for admission. Each case is considered on its merits. (See the section on "Entrance with Advanced Standing.")

If the student believes there are extenuating circumstances which might justify immediate admission following a suspension, he should include a statement of them in his application for admission. This statement will then be considered by the Dean in arriving at a decision on the application.

Summer Session is available for a student who wants to improve his record to support his application for admission.

### CHANGE OF REGISTRATION

A student is expected to complete the courses in which he is enrolled. However, during the first two weeks of classes in any semester he may, if circumstances warrant, drop or add a course provided he has permission from his adviser, and provided the "order of required studies" is not violated. No course may be added after the second week of classes. All changes must follow the procedure established by the registrar's office.

(Note to advisers: If a change of program during the first two weeks involves a change of sections in the same course, the change will be handled by the chairman of the department offering the course. It need not be signed by the adviser, the director, or the dean. All other changes during the first two weeks of classes will be handled by the adviser and the chairmen of the departments concerned.)

Changes of program after the second week and through the ninth week of classes may be permitted by the student's adviser after consultation with the instructor if the reasons are compelling. (Note that courses may not be added after the second week of classes.) After the **ninth week** of a semester, decisions on such changes will be made by the dean of the school in which the student is enrolled, after advice by the student's adviser and instructor.

A course dropped after the **ninth week** will receive a "WP" if the student is doing passing work; otherwise a "WF" will be assigned. Repeated occurrence of "W" or "WP" will be cause for the review of the student's record by the committee of Academic Deans, and possible dismissal of the student from the university. Student initiated drops are not permitted during the **last five weeks** of the semester.

## 38    *WISCONSIN STATE UNIVERSITY*

A student who voluntarily stops attending a course at any time without completing the prescribed change of program procedure will be considered as still registered and will receive an "F" in the course at the end of the semester.

### **WITHDRAWAL FROM THE UNIVERSITY**

A student who finds it necessary to leave the university at any time during the semester must receive permission from the Dean of the School in which he is enrolled, and must comply with the procedure established by the registrar's office. Grades will be assigned according to the schedule outlined in the section concerning Change of Registration, except that during the final five weeks of the semester an "Inc" may be assigned at the discretion of the instructor. Withdrawals during the final five weeks of the semester will be permitted only for reasons clearly beyond the control of the student.

A student who voluntarily leaves the university at any time without completing the prescribed withdrawal procedures will be considered as still registered and will receive an "F" in each course in which he is enrolled.

In case of withdrawal from the university, a student's grade point average will not be computed for that semester.

### **REPORTS**

At the end of each semester, a report of the student's grades is mailed to him at his home address.

At the end of the first eight weeks of each semester, faculty members notify any freshman student whose work is failing or near failing at that time.

### **TRANSCRIPTS**

Transcripts of a student's record may be obtained by addressing a request to the Record Office. The first transcript is furnished without charge. Subsequent transcripts are furnished for \$1.00 each, except that when more than one is ordered at a time the charge is \$1.00 for the first one and twenty-five cents for each additional copy.

Requests for information concerning activities and scholastic records of students or former students of Wisconsin State University — Stevens Point will not be honored without an authorization for release of the information signed by the individual whose



record is involved; except that the university cooperates with high schools in follow-up studies of their graduates.

### **ATTENDANCE**

The university policy is that students are expected to attend all classes, except within certain specified circumstances which justify absence.

Each teacher is required to record all absences and to report to the Associate Deans any student whose absence is deemed by the teacher to be excessive. Also, on request from the Deans the absence record of any student in any class is to be made available.

A student who has been reported excessively absent may be denied permission by a teacher to re-enter class until the student presents a statement from the Dean. In the event that the absence was excusable, the student has the right to a reasonable amount of help in making up work missed.

A student who is absent for illness or because of illness or death in the immediate family is excepted to notify the Deans' office, if possible, so that his teachers can in turn be told why he is out. In the event that he is scheduled for a field trip, athletic trip or other similar activity, the faculty member in charge of the activity will have listed his name in the weekly bulletin and the student need take no action except to confer with his teachers about work missed.

Absence deemed excessive by the Associate Deans or by the Dean of the school in which he is enrolled may be cause for the student's dismissal from a class or from the university by such official or officials. Such a dismissal may carry a grade of F in the course from which the student is dismissed or in all courses if he is dismissed from the university.

### **GRADUATION**

It is mandatory for all graduates registered as regular students to participate in the commencement exercises.

### **STUDENT CONDUCT**

When a student enters Wisconsin State University—Stevens Point, it is taken for granted by the university authorities that he has an earnest purpose and that his conduct will bear out this presumption. If, however, he should be guilty of unbecoming behavior or should neglect his academic duties, the university authorities will

## 40 WISCONSIN STATE UNIVERSITY

take such action as, in their opinion, the particular offense requires. Some of the offenses against good conduct which will be sufficient cause for disciplinary action, including dismissal from the university, are:

- (1) **ALCOHOLIC BEVERAGES:** The possession or consumption of intoxicating or fermented malt beverages on the campus or in approved off-campus housing on the part of any student at the university is prohibited; violation of this regulation is sufficient cause for disciplinary action.
- (2) **GAMBLING:** Gambling is sufficient cause for disciplinary action.
- (3) **FALSIFICATION OF INFORMATION:** Any student who willfully falsifies information on university records is subject to disciplinary action.
- (4) **DISHONESTY:** Dishonesty of any sort is considered a serious offense which may result in disciplinary action.
- (5) **INDEBTEDNESS:** The university may take disciplinary action in the case of any student who is indebted to the university and who fails to make a satisfactory settlement before the close of a semester.
- (6) **DISORDERLY CONDUCT:** Any student who has been judged by a court as guilty of disorderly conduct may be subject to disciplinary action.
- (7) **UNDESIRABLE CONDUCT:** Any student whose conduct reflects unfavorably upon the university may be subject to disciplinary action.

Penalties for the violation of the above rules may include disciplinary probation, suspension from the university for a definite period, dismissal from the university, or other action deemed appropriate to the circumstances.

### RESIDENCE REQUIREMENTS

At least 23 of the last 32 credits earned toward a degree must be earned in residence at this university. Nine of the 32 credits may be taken in other schools or by extension, but only upon prior approval of each course by the student's division director or dean.

To be eligible for a degree a student must have earned at least 30 of the total credits required for the degree in residence at this university.

**TRANSFER OF CREDIT**

Credits from the State Universities are accepted by the University of Wisconsin on exactly the same basis as are credits from other collegiate institutions. For admission to the graduate school, graduates must offer seventy credits in strictly academic or non-professional subjects. A maximum of ten credits may be offered in student teaching. Graduates from the four-year curricula, as now outlined, will meet the requirements of the University of Wisconsin and may be admitted to the graduate school on the same terms as the graduates of the university. A minimum grade point average of 2.75 is required.

Other colleges follow essentially the same procedure in regard to credits as does the state university.

**EXTENSION AND SATURDAY CLASSES**

The university offers Tuesday evening extension classes in some fifteen to twenty cities in central and north eastern Wisconsin. A number of courses are offered on campus on Saturday mornings which provide residence credit. The majority of these courses are intended primarily for teachers who are working toward a degree or who wish to up-date academic areas and study late professional developments. Several graduate courses are now being offered on Tuesday evenings and Saturday mornings with a significant expansion of this program anticipated.

For a three-credit Saturday or extension course, classes meet once a week for seventeen weeks, and each meeting lasts two and one-half hours. Fees are \$13.00 per credit. This includes the textbook rental fee, and must be paid in full not later than the second meeting of the class. Credits will be filed in the registrar's office at Stevens Point, but will be transferred to other colleges on request. Before enrolling, a student should obtain assurance that credit earned can be applied to the curriculum he is following at the college to which he wishes the credit transferred.

The following limitations are imposed on credits earned in extension and Saturday courses, and each student is responsible for staying within these limitations:

1. Students who are employed as teachers shall be granted no more than four credits total for extension, correspondence, and Saturday courses in any one semester.

## 42    *WISCONSIN STATE UNIVERSITY*

2. Evening extension and Saturday courses shall be counted as part of a student's study load if he is regularly enrolled in a college or university during the semester the courses are taken.

3. Up to 32 credits of extension work from this and other colleges or universities may be counted toward a degree. Some students may not be able to take all 32 of these credits because of the residence requirement. Not more than nine credits in the senior year may be earned in off-campus courses. (Note that Saturday morning classes are not counted as extension courses.)

4. Prior approval of each extension or Saturday course to be taken during the senior year must be obtained from the student's dean.

For information on courses currently being offered in extension and Saturday classes, write the office of the Director of Extended Services.

### **SUMMER CAMP SESSIONS**

Each summer the Wisconsin State Universities sponsor and direct summer sessions at Trees for Tomorrow camp at Eagle River and at Pigeon Lake.

Two three-week sessions are offered at Eagle River. Students may earn three credits in either session, or six credits by enrolling for both sessions. Laboratory, classroom, and field work in conservation are offered. Fees and board and room in the 1965 summer session are \$133.75 for each three-week session or \$255.00 for both sessions.

The Wisconsin State University Camp at Pigeon Lake is offering (in 1965) an NSF Summer Graduate Program in biology, a three-week workshop in art, and a three-week workshop in Outdoor Education and School Camping.

Credits from Eagle River and Pigeon Lake are acceptable in any of the State Universities, assuming that they fit the pattern of the curriculum the student is pursuing. In case courses do not exactly parallel courses offered on his campus, the student should consult his college adviser to determine whether the camp credits would count toward his degree.

These summer courses carry residence credit at Wisconsin State University—Stevens Point. For further information, write to the Director of Summer Sessions.

**SUMMER SESSIONS**

The University operates an eight-week summer session each year. This provides an opportunity for students to accelerate their program of study since eight credits, or half a semester's work, can be taken. A wide variety of courses is available from the freshman to the senior level. The regular faculty provides the instruction and the full facilities of the University, including residence halls and the University Center, are available. A summer school bulletin is available late in March and may be secured by writing to the Director of Summer Sessions.

**GRADUATE STUDY**

The graduate program is designed for experienced elementary and secondary teachers. It is intended to strengthen the preparation of the teacher by providing work in an area of specialization, in liberal arts and in professional education. In addition to the summer program, some courses are available as evening and Saturday classes. A full-time academic year program is planned for 1966-67.

The member institutions of the Wisconsin State University system work cooperatively to facilitate credit transfer and to provide opportunities for graduate work within reasonable access to all students of the state.

## **ADMINISTRATIVE ORGANIZATION**

The university is organized for administrative purposes into three primary areas: (1) Academic Affairs, (2) Student Affairs, and (3) Business Affairs. Each of these areas is headed by a Vice President.

The Academic Affairs area is divided into four schools: (1) the School of Applied Arts and Science, (2) the School of Education, (3) the School of Fine Arts, and (4) the School of Letters and Science. The departments of the university are grouped, within each of these schools, as follows:

**SCHOOL OF APPLIED ARTS AND SCIENCE:** Business Education, Conservation, Home Economics, Physical Education.

**SCHOOL OF EDUCATION:** Education, Campus Laboratory School, Student Teaching.

**SCHOOL OF FINE ARTS:** Art, Music, Speech and Drama.

**SCHOOL OF LETTERS AND SCIENCE:** Biology, Business, Chemistry, Economics, English, Foreign Language, Geography, History, Mathematics, Political Science, Physics, Psychology and Philosophy, Sociology and Anthropology.

The following functions are also administered within the Academic Affairs area: Admissions, Records and Registration, Extended Services, Graduate Programs, Learning Resources (including library and audio-visual aids), Summer Session Programs, and the Arts and Lectures series.

The Student Affairs area administers programs in the following functional areas: Activities, Alumni, Counseling and Psychological Testing, Financial Aids, Fraternities, Health, Housing, International Students, Orientation, and Sororities.

Included in the functions administered in the Business Affairs area are: Accounting, Building and Grounds, Classified Personnel, Clerical Services, Purchasing, and Traffic and Plant Security.

## **SCHOOL OF APPLIED ARTS AND SCIENCE**

**Paul A. Yambert, Dean**

Wisconsin State University—Stevens Point, offers curricula in Applied Arts and Science leading to the Bachelor of Science degree. Each of these curricula is designed to further the student's progress toward the long range goals set forth elsewhere in this catalog. In addition, the objectives of the School of Applied Arts and Science include the following:

1. Preparation for non-professional fields requiring a college degree.
2. Preparation for technical and professional work in specialized fields, such as conservation, home economics, medical technology, business education, and physical education.
3. Pre-professional training in fields such as forestry and nursing.
4. Preparation for graduate study.

Students intending to major in business education, conservation, home economics, medical technology, physical education\*, or nursing\* will enroll as freshmen in the School of Applied Arts and Science.

\*These majors must currently be completed following transfer to another institution. Nursing and forestry majors ordinarily transfer after two years at this university. Students interested in these majors should obtain a catalog from the university to which they intend to transfer, and follow the curricula outlined as closely as possible.

Students majoring in the above fields who are also candidates for secondary school teaching, will enroll as freshmen in the School of Applied Arts and Science and apply before their junior year for admission to the Division of Secondary Education.

Each student in Applied Arts and Science is assigned to an adviser from the faculty of the department in which he intends to major. The adviser will assist him in selecting courses, improving his abilities, making vocational plans, and other aspects of college life.

During the student's junior year, his program must be approved by the chairman of his major department(s); and during his

## 46 WISCONSIN STATE UNIVERSITY

senior year, both his chairman and the Dean must approve his program.

After the first two weeks of a semester, any change in the student's program of studies is invalid unless approved in writing by the Dean.

A department may refuse to accept a student for major study if the student's general record is not satisfactory to that department. The department may refuse to approve his continued registration as a major if his subsequent achievement falls below the standard set by the department.

Faculty cognizance of the importance of the fine and liberal arts in complementing the applied arts has strongly influenced the curriculum for the Bachelor of Science Degree in the School of Applied Arts and Science.

### I. English and Speech:

- a. English 1-2, 6 credits
- b. Speech 1, 2 credits

### II. American History, 6 credits

### III. One of the following:

#### A. Foreign Language, 8 credits.

This requirement may be satisfied by two acceptable units of high school work completed in one language. An acceptable unit is one year's work with a grade of C or better.

#### B. Mathematics, 4 credits.

This requirement may be satisfied by two and one-half acceptable units of high school mathematics. An acceptable unit is one year of work with a grade of C or better, excluding "general mathematics".

### IV. Social Studies, 9 credits.

Work in social studies must include courses in at least two of the following fields: cultural geography, economics, history (in addition to II above), political science, psychology, sociology, Conservation 111 (not open to Conservation majors or minors).

### V. Natural Science, 10 credits in one of the following groups:

- A. Biology 1, or Geography 1; and Chemistry 1, or Physics 1.



B. A continuous year course in one science:

1. Biology 3 and 4;
2. Chemistry 5-6; or 7-8;
3. Geography 2 and 3;
4. Physics 3-4; or 31-32.

Note: Students intending to major or minor in one of the sciences should consult the requirements for that major or minor before beginning a science course.

VI. Humanities, 9 credits, selected so as to include courses in at least two of the following groups:

- A. History and appreciation of art, music, theater; history of music, theater.
- B. Literature. (If Introduction to Literature or the survey course in American Literature or in English Literature is selected, the full year course must be completed to be credited on this requirement) Speech 31, 32 (Dramatic Literature) may be used to meet this requirement.
- C. Philosophy (logic and philosophy of science excluded), colloquium.

VII. Physical Education, 4 credits, to be taken during the first two years; exemptions may be granted by the Physical Education Department for certain reasons.

VIII. Major study and approved electives to total 120 credits in addition to required Physical Education (Total: 124). (As an elective, no less than 8 credits in a foreign language may be applied toward a degree.) A minimum of 40 credits must be selected from courses numbered 100 or above. No degree will be granted unless the candidate receives the approval of the faculty during his senior semester.

**Restrictions**

The following courses are the only ones in the School of Education which may be applied toward a degree in Applied Arts and Science:

Education 1, 113, 121, 131, 132, 135, 136, 183.

## **SCHOOL OF EDUCATION**

**Burdette W. Eagon, Dean**

Students preparing for teaching are usually admitted to the School of Education during the second half of the sophomore year. There are several curricula: (1) Elementary Education (a) Kindergarten-Primary, (b) Primary, and (c) Intermediate and Upper-Elementary education; and (2) Secondary Education.

A tentative "declaration of intention" is filled out by all freshmen who plan to enter professional education.

Students who were in the upper half of their graduating class may be granted tentative admission to one of the elementary curricula. Students should file formal application for admission to any education curricula during the second half of the sophomore year. Students may take education courses only after they have been formally admitted to the School of Education.

### **Requirements for Admission to the School of Education**

- A. A personal-social report from the Office of Student Affairs.
- B. Recommendations from major and minor departments.
- C. An overall grade point average of 2.25.
- D. A satisfactory health report from the University Health Service.
- E. A satisfactory hearing and speech proficiency report (to be taken at time of application).
- F. Such examinations as may be prescribed.
- G. Completion of official admission forms.

Students and advisers will be notified of official admission into the School of Education.

Students who are denied admission to the teacher education program for other than academic reasons may file a special petition with the Teacher Education Review Committee for further consideration.

### **Transfer Students**

Students who have transferred to this university from another institution may apply for admission to the School of Education

after they have completed one or more semesters of work at this university.

1. If the student enters with a grade point average of 3.00 or more, a single semester of work is generally considered an ample probationary period.
2. Students who enter with less than a 3.00 average may be required to complete two semesters of work.
3. Transfers must file transcripts with the Director of Admissions well in advance of enrollment. They should request an evaluation of their credits from the Dean of the School of Education. A planning sheet, showing requirements to be met, will then be prepared. Students who have a non-teaching degree but who wish teacher certification should follow the same procedure.

**The curriculum for the BACHELOR OF SCIENCE Degree in the School of Education**

- I. English and Speech:
  - a. English 1-2, 6 credits.
  - b. Speech 1, 2 credits.
- II. American History, 6 credits.
- III. One of the following:
  - A. Foreign Language, 8 credits.

This requirement may be satisfied by two acceptable units of high school work completed in one language. An acceptable unit is one year's work with a grade of C or better.
  - B. Mathematics, 4 credits.

This requirement may be satisfied by two and one-half acceptable units of high school mathematics. An acceptable unit is one year of work with a grade of C or better, excluding "general mathematics."
- IV. Social Studies, 9 credits.

Work in the social studies must include courses in at least two of the following fields: cultural geography, economics, history (in addition to II, above), political science, psychology, sociology, Conservation 111 (not open to Conservation majors or minors).

50     *WISCONSIN STATE UNIVERSITY*

- V. Natural Science, 10 credits in one of the following groups:
  - A. Biology 1, or Geography 1; and Chemistry 1, or Physics 1.
  - B. A continuous year course in one science:
    - 1. Biology 3 and 4;
    - 2. Chemistry 5-6, or 7-8;
    - 3. Geography 2 and 3;
    - 4. Physics 3-4; or 31-32.

Note: Students intending to major or minor in one of the sciences should consult the requirements for that major or minor before beginning a science course.
- VI. Humanities, 9 credits, selected so as to include courses in at least two of the following groups:
  - A. History and appreciation of art, music, theater; history of music, theater.
  - B. Literature. (If Introduction to Literature or the survey course in American Literature or in English Literature is selected, the full year course must be completed to be credited on this requirement.) Speech 31, 32 (Dramatic Literature) may be used to meet this requirement.
  - C. Philosophy (logic and philosophy of science excluded), colloquium.
- VII. Physical Education, 4 credits to be taken during the first two years; exemptions may be granted by the Physical Education Department for certain reasons.
- VIII.
  - a. Division requirements, including majors and minors where specified.
  - b. Approved electives to total at least 120 credits, in addition to required physical education. (Total: 124)
  - c. A minimum of 40 credits must be in courses numbered 100 or above.

## ELEMENTARY EDUCATION

In addition to such required courses as shown for the Bachelor of Science degree in the School of Education, certain other courses are required in each curriculum. These are indicated in the study programs shown below.

### KINDERGARTEN-PRIMARY AND PRIMARY CURRICULA

The Kindergarten-Primary curriculum is planned to prepare teachers for kindergarten and for grades one through three. The Primary curriculum prepares teachers for grades one through three. Students not interested in teaching kindergarten may omit student teaching in the kindergarten and techniques in kindergarten education, and they will then be qualified for certification to teach the first three grades.

#### Suggested Order of Required Courses

##### FRESHMAN

First Semester	Credits	Second Semester	Credits
English 1 .....	3	English 2 .....	3
Geography 1 or Biology 1 .....	5	Biology 1 or Geography 1 .....	5
Speech 1 .....	2	Art 2 .....	3
Art 1 .....	3	Physical Education 2 or 4 .....	1
Physical Education 1 or 3 .....	1	Electives*	
Electives*			

##### SOPHOMORE

History 11 .....	3	History 12 .....	3
Psychology 11 .....	3	Psychology 13 or 16 .....	3
Physics 1, or Physical Education 31 and Music 1†	5	Physics 1, or Physical Education 31 and Music 1†	5
Electives**		English 21 .....	3
		Electives**	

##### JUNIOR

Mathematics 115 .....	4	Music 103 .....	3
Geography (regional) .....	2-3	English 12 or 14 .....	3
English 11 or 13 .....	3	Education 198 .....	3
Biology 40 .....	3	Education 102L .....	2
Education 101 .....	2	Education 102M .....	2
Education 102K .....	2	Electives**	
Electives**			

## 52 WISCONSIN STATE UNIVERSITY

### SENIOR

Philosophy 15 or 105 .....	3	History 151 or 166 .....	2-3
Education 198 .....	10	Geography .....	2-3
Electives**		Electives**	

\* If a foreign language is chosen as an elective, it is suggested that it be taken during the freshman year.

\*\*Sufficient electives must be chosen to bring the total number of credits earned to 120, plus Physical Education 1 or 3, 2 or 4, 11. Credits earned in music organizations such as band and chorus may be included in the total of 120, except when taken in the freshman year. Credit earned in applied music may be counted if earned in the junior or senior year.

†Music 23-24 may be substituted for Music 1 by students earning a minor in Music.

### INTERMEDIATE and UPPER-ELEMENTARY CURRICULUM

The Intermediate and Upper-Elementary curriculum prepares students for teaching positions in grades four through eight in the elementary schools. It also gives the foundation work necessary for later graduate study in the field of Elementary Supervision and Administration. It is recommended that students in this curriculum use some of their elective credits as an area of concentration, or a minor in some field of study.

### Suggested Order of Required Courses

#### FRESHMAN

First Semester	Credits	Second Semester	Credits
English 1 .....	3	English 2 .....	3
Biology 1 or Geography 1 .....	5	Geography 1 or Biology 1 .....	5
Art 1 .....	3	Art 2 .....	3
Speech 1 or Music 1 .....	2-3	Music 1 or Speech 1 .....	2-3
Physical Education 1 or 3 .....	1	Physical Education 2 or 4 .....	1
Electives*		Electives*	

#### SOPHOMORE

History 11 .....	3	History 12 .....	3
English 13 .....	3	English 14 .....	3
Psychology 11 .....	3	Psychology 13 or 16 .....	3
Biology 40 or English 23 .....	3	English 23 or Biology 40 .....	3
Physics 1 .....	5	Political Science 1 .....	3
Physical Education 11 .....	1	Physical Education 32 .....	2

#### JUNIOR

Music 103 or Geography 11 ....	2-3	Geography 11 or Music 103 ....	2-3
Geography .....	2-3	Education 121 or 131 .....	3
Education 103K .....	4	Education 103L .....	4
Mathematics 115 .....	4	Conservation 111 .....	3
Electives**		Electives**	

SENIOR

Education 198 .....	10	Education 131 or 121 .....	3
Electives**		Electives**	

\* If a foreign language is chosen as an elective, it is suggested that it be taken during the Freshman year. In such cases, Speech 1 or Music 1 may be taken later.

\*\*Sufficient electives must be chosen to bring the total number of credits earned to 120, plus Physical Education 1 or 3, 2 or 4, 11. Credits earned in music organizations such as band and chorus may be included in the total of 120, except when taken in the freshman year. Credit earned in applied music may be counted if earned in the junior or senior year.

### Four-Year Elementary Education Curriculum for County College Graduates

Graduates of the regular state approved two-year county teachers college course may be tentatively admitted to junior standing in the School of Education upon satisfactory evaluation of their records by the Dean. Students transferring with less than 60 acceptable credits will be placed on probation for one year and must earn a grade point average of 2.25 or higher before filing an application for formal admission. Students may not take education courses until they have been formally admitted into the School of Education.

#### Required courses:

Chemistry 1.

Physics 1.

Education 198 (5 credits).

Speech.

Foreign Language or Mathematics 115 (may be omitted if two and one-half acceptable units of high school mathematics or two units of foreign language are presented).

Humanities, 6 credits, selected so as to include courses in at least two of the following groups:

A. Art 191, 192, 193; Music 1, 140, 141; Speech 5.

B. Literature (in courses numbered 100 or above).

C. Philosophy 15, 105; colloquium.

Electives to total 60 credits beyond the county teachers college course. (A total of 64 credits is required of those who began their county teachers college work before 1954.)

Since the student must earn 40 credits in courses numbered 100 or above, most electives should be in that category.

**SECONDARY EDUCATION**

The successful completion of the general education and professional course work required of education students, and the recommendation of the major and minor departments enable a graduating senior to apply for an initial three-year license to teach in Wisconsin, in accordance with the certification requirements set up by the State Department of Public Instruction. The three plans or options that may be selected are as follows:

**Plan I.** One college or university approved major of at least 34 credits and a minor of at least 22 credits. In a number of instances, the departmental requirements for a major or minor in this university exceed the number of credits required for certification.

Majors which may be chosen include art, biology, business education, chemistry, conservation, economics, English, French, geography, German, history, home economics, mathematics, music, physics, political science, psychology, sociology, and speech.

Minors are available in each of the major fields (except business education), and in physical education.

**Plan II.** Two college university approved majors of at least 34 credits. These would be selected from those listed under Plan I.

**Plan III.** One college or university approved broad-field or comprehensive major of at least 54 credits. These are offered in art, general science, home economics, music, and social science. (See the appropriate statements in the section "Details of Courses.")

**Note:** Students who major or minor in any of the social sciences (economics, geography, history, political science, and sociology) are required by statute to take Economics 11 or Economics 127.

Students who major or minor in any of the social sciences or in any of the sciences (biology, chemistry, and physics) are required by statute to take Conservation 111.

A department may refuse to accept a student for major or minor study if the student's general academic record is not satisfactory to that department. The department is also empowered to disapprove a student's retention as a major or minor if his achievement does not continue to meet the standards of that department.

A minimum of twenty credits of professional education courses is required. The sequence of courses follows:



**Junior year:**

Principles of Education	(Education 111)	3 credits
Techniques of Teaching	(Education 105 or 106)	2 credits

**Senior year:**

Student Teaching	(Education 198)	10 credits
Educational Psychology	(Education 112)	3 credits
Techniques of Teaching	(Education 105 or 106)	2 credits

Students are required to take the Techniques in Secondary Education related to their major and minor fields.

Additional professional education courses that may be taken include:

Audio-Visual Education	(Education 131)	3 credits
Tests and Measurements	(Education 121)	3 credits
Safety Education	(Education 135)	3 credits
Driver Education	(Education 136)	3 credits
Organization and Administration of Outdoor Education (Education 183) and others.		

## STUDENT TEACHING

This final step in the sequence of teacher preparation is of extreme importance since it involves experience in an actual classroom situation. At least ten credits of student teaching (Education 198) are required for graduation and recommendation for teacher certification. This requirement — which involves an **initial** and a **terminal** student teaching experience — may be taken during two separate semesters or, in the case of the "block" program, concentrated in a single semester. The organization of the over-all program is the responsibility of the Director of Student Teaching, who works closely with the student teachers, members of the university staff, and the administrators and teachers in the cooperating schools.

In order to provide adequate facilities and competent supervision for the student teachers, a cooperative working relationship is constantly being developed with a number of elementary and secondary schools.

### Admission to Student Teaching

When the prospective student teacher has completed a major portion of the required course work in general education, and in the major and minor fields, and some professional education courses, he may petition to enroll for student teaching.

Requirements:

1. Admission to the School of Education.
2. An overall grade point average of no less than 2.25.
3. Recommendation from the student's major and minor departments.
4. Completion of forms from the office of Director of Student Teaching.

Upon being accepted, the student will be given a specific assignment by the Director of Student Teaching.

**Plan A** — Under this plan the student

1. is enrolled in both professional education and other courses on the campus.

- 2\*. is assigned to student teaching at a school in or near Stevens Point.

**Plan B** — Under this plan the student

1. is enrolled in both professional education and other courses on the campus during either morning or afternoon periods.
- 2\*. during the other half of the day he is assigned to student teaching at a school in a nearby community.

\*The individual student teacher has the responsibility of arranging for the necessary transportation. In many cases, several students travel together to reduce expenses.

**Plan C** — Under this plan the student

1. is enrolled in the "professional semester" or "block" program of student teaching. He will have completed Education 111 and one other course in professional education.
2. During the first or second semester of the senior year, the student will take 15-16 hours of course work in professional education courses.
  - a. The first segment of the semester is devoted to Educational Psychology (Education 112), and a course in the techniques of teaching. At the end of this period, an evaluation of the student's progress is made and a grade is given for each course.
  - b. The remainder of the semester is spent in student teaching in an approved cooperating school on a full-time basis. This normally means that the student will actually live in the community and attend faculty meetings, extra-curricular activities, etc. University supervisors will check the progress of the student teacher, and one or more special seminars will be held on the campus on Saturday mornings to discuss the student teaching experience. At the end of this period the cooperating teacher will provide an evaluation of the work of the student.
  - c. It is the student teacher's responsibility to arrange for his own housing and meals.
  - d. The student teacher is required to return to the campus during the final week of the semester to confer with the university instructors and supervisors in order to gain further insight into the actual problems of teaching.

**Cooperating schools**

The following school systems provided supervised student teaching during the 1964-65 school year:

Adams-Friendship, Amherst, Appleton, Auburndale, Baraboo, Berlin, Black River Falls, Bonduel, Bowler, Casco, Clintonville, Crivitz, East Troy, Fish Creek, Green Bay, Iola-Scandinavia, Kaukauna, Kimberly, Marathon, Marshfield, Mauston, Medford, Merrill, Mishicot, Mosinee, Neenah, Nekoosa, New Lisbon, New London, Omro, Plainfield, Portage, Port Edwards, Preble, Reedsville, Rhineland, Schofield-Rothschild, Seymour, Shawano, Sheboygan Falls, Shiocton, Stevens Point, Stoughton, Waupaca, Wausau, Wautoma, Weyauwega, West Bend, Wisconsin Dells, Wisconsin Rapids, and Wittenberg.

## CERTIFICATION FOR TEACHING

Seniors who have completed all of the requirements for graduation and teacher certification in Wisconsin must take the following steps:

1. Obtain the official certification application form from the registrar's office.
2. Complete the required section of this blank and return it to the registrar's office with the \$2.00 fee required by the Department of Public Instruction.

The registrar will then forward the necessary credentials to the State Department of Public Instruction and the initial three-year license will be sent directly to the applicant.

Wisconsin State University—Stevens Point is a member of the North Central Association of Secondary Schools and Colleges. The teacher preparation program has been approved by the State Department of Public Instruction and the National Council for the Accreditation of Teacher Education.

In general, our teacher education program meets the requirements of other states. However, if a student is interested in teaching in another state, it is recommended that he become acquainted with any special requirements of that state early in the period of his professional preparation.

Graduates of the other schools in this university, and from other accredited colleges, who wish to qualify for state certification must meet the admission requirements for the School of Education. If the student is accepted, a plan for fulfilling the requirements for teacher preparation will be made. Upon completion of the approved program, the Dean of the School of Education will send a letter to the registrar's office to authorize the issuing of an application for certification.

## SCHOOL OF FINE ARTS

Robert B. Cantrick, Dean

The School of Fine Arts includes the departments of Speech and Drama, Art, and Music. The School welcomes students whose aims are (1) a career in the arts, (2) a teaching career in one of the three fields, (3) a sound preparation for graduate or other specialized study, (4) an enlarged cultural orientation as an educated human being. The School offers recognition that the arts, though of infinite variety in form, possess oneness in spirit and principles.

This community of the arts will afford an environment in which the interpretive and creative talent can develop with both freedom and aesthetic discipline. Intimacy with the master and masterpiece, emphasis on discovery and awareness, experience with tool and technique will be integral facets of the program. Whether the student is training toward a career as a professional artist, or a teacher in one of the fields, or is seeking an enlarged cultural background, the School of Fine Arts promises him enriched appreciation, refinement of tastes and judgment, wide intellectual horizons, and fellowship in the search for excellence.

Students intending to major in speech, art, or music will enroll as freshmen in the School of Fine Arts.

Students majoring in the above fields, who are also candidates for teaching will enroll in the School of Fine Arts and apply before their junior year for admission to the School of Education.

Each student in the School of Fine Arts is assigned to a faculty member who will act as his adviser. The adviser will assist him in selection of courses, improvement of his abilities, and other aspects of college life.

Not later than the beginning of the junior year, each student must have formally selected the area of his major study. At that time and thereafter the Dean and the chairman of the student's major department shall assist the student and sign his program of studies. After a student has registered, any change in his program of studies is not valid unless it has been approved in writing by the Dean of the school.

Majors in speech, art, or music who qualify for teaching will

meet the B.S. curriculum requirements as outlined under the School of Education.

Majors who do not plan to teach may earn B.S. or B.A. degrees in the School of Fine Arts. The curriculum requirements are the same as those outlined under the School of Letters and Science.

## **SCHOOL OF LETTERS AND SCIENCE**

Warren G. Jenkins, Dean

Wisconsin State University—Stevens Point, offers courses in Letters and Science leading to the Bachelor of Arts and Bachelor of Science degrees.

The aims of the general courses for the Bachelor of Arts and the Bachelor of Science degrees are: (a) to provide the student with sound education in social studies, sciences, languages, and humanities which will prepare him to be a well informed citizen qualified for responsibilities and leadership in democratic society; and (b) to provide the basic training for professional, technical, and graduate studies. Most professional and technical fields require education beyond the four-year level and an increasing number of non-professional fields require a college degree. Employers wish to secure the services of persons with sound educational background. It is the purpose of the Letters and Science curricula to provide this education.

Students admitted to the university who have not been accepted for professional training as teachers may enroll in Letters and Science and follow the program for a Bachelor of Arts or a Bachelor of Science degree. This includes students who plan a four-year general course and those preparing for professional, and graduate studies, except (1) students in conservation, home economics, medical technology, and pre-nursing, who will enroll in the School of Applied Arts and Science as freshmen, and (2) students intending to major in art, music, or speech, who will enroll in the School of Fine Arts.

### **ADVISERS**

Each student in Letters and Science is assigned to a member of the faculty who will act as his adviser until he is accepted by a department for major study. The adviser will assist him in adjusting to his academic work and in the improvement of his abilities.

In order that a student may come to understand better the interweaving relationships between various fields of knowledge it is required that he plan, with his adviser, programs by means of which such relationships may be effectively realized.



Not later than the beginning of his junior year each student remaining in Letters and Science must have selected the area of his major study. At that time and thereafter, the chairman of the student's major department(s) will assist the student and sign his program of studies. During the senior year the program of studies must also be approved by the Dean.

After the first two weeks of a semester, any change in the student's program of studies is invalid unless approved in writing by the Dean of Letters and Science.

### DEGREES

#### The Curriculum for the BACHELOR OF ARTS General Course

- I. English Language and Literature, 12 credits as follows:
  - a. English 1-2.
  - b. English 11-12 or English 13-14.
- II. Foreign Language, 24 credits (including 4 credits in conversation and composition courses beyond the first-year level) in one language, or 28 credits in two languages, or 30 credits in three. No less than 8 credits in a single language will be accepted; and a minimum of 14 credits must be offered in one. High school work with grades of C or better will be accepted for this requirement at the rate of 4 college credits for each high school unit up to a total of 6 units or 24 credits. However, a minimum of 8 college credits is required.
- III. Special Humanities Requirements, 10 credits within the following range of studies: Art history, history of music, literary criticism, philosophy of art, colloquium. Students majoring in fields other than language and literature may satisfy this requirement with 10 credits in any literature course (or courses) numbered 100 or above.
- IV. History, 12 credits, including 6 credits of American History.
- V. Social Studies, 6 credits, selected from the following: Conservation 111, cultural geography; economics; philosophy (logic excluded); political science; psychology; sociology.
- VI. Natural Science, Mathematics, Logic; one year of laboratory science and one year of mathematics or logic.
- VII. Physical Education, 4 credits to be taken during the first

## 64 WISCONSIN STATE UNIVERSITY

two years of attendance. Exemption may be granted by the Physical Education Department for certain reasons.

- VIII. Major study and approved electives to total 120 credits in addition to the required physical education (Total: 124). A minimum of 40 credits must be selected from courses numbered 100 or above.

It should be noted that no degree will be granted unless the candidate receives the approval of the faculty during his senior semester.

### *Order of Required Studies, Bachelor of Arts General Course*

Each student is expected to complete in the first two years the required courses listed in the curriculum above (except in number VIII), although some exceptions may be granted by the student's adviser and the dean. In any case the following shall be completed:

1. All requirements in English composition and literature and foreign language (unless more than two years are required).
2. Social studies, 6 credits.
3. Natural science, mathematics, logic, 10 credits.
4. History, 6 credits.
5. Physical education, 4 credits.
6. By the end of the sophomore year the student must select a major study and plan his course with his major adviser and dean. It is recommended that he also select a minor study by that time.

### **The Curriculum for the BACHELOR OF SCIENCE General Course**

- I. English and Speech:
  - a. English 1-2, 6 credits.
  - b. Speech 1, 2 credits.
- II. American History, 6 credits.
- III. Foreign Language, 8 credits.

This requirement may be satisfied by two acceptable units of high school work completed in one language. An acceptable unit is one year's work with a grade of C or better.
- IV. Mathematics, 4 credits.

This requirement may be satisfied by two and one-half acceptable units of high school mathematics. An acceptable unit

is one year of work with a grade of C or better, excluding "general mathematics."

V. Social Studies, 9 credits.

Work in social studies must include courses in at least two of the following fields: cultural geography, economics, history (in addition to II above), political science, psychology, sociology, Conservation 111.

VI. Natural Science, 10 credits in one of the following groups:

A. Biology 1, or Geography 1; and Chemistry 1, or Physics 1.

B. A continuous year course in one science:

1. Biology 3 and 4;
2. Chemistry 5-6; or 7-8;
3. Geography 2 and 3;
4. Physics 3-4; or 31-32.

Note: Students intending to major or minor in one of the sciences should consult the requirements for that major or minor before beginning a science course.

VII. Humanities, 9 credits, selected so as to include courses in at least two of the following groups:

A. History and appreciation of art, music, theater; history of music, theater.

B. Literature. (If Introduction to Literature or the survey course in American Literature or in English Literature is selected, the full year course must be completed to be credited on this requirement.) Speech 31, 32 (Dramatic Literature) may be used to meet this requirement.

C. Philosophy (logic and philosophy of science excluded), colloquium.

VIII. Physical Education, 4 credits, to be taken during the first two years; exemptions may be granted by the Physical Education Department for certain reasons.

IX. Major study and approved electives to total 120 credits in addition to the required physical education (Total: 124). (As an elective, no less than 8 credits in a foreign language may be applied toward a degree.) A minimum of 40 credits must be selected from courses numbered 100 or above.

It should be noted that no degree will be granted unless

the candidate receives the approval of the faculty during his senior semester.

*Order of Required Studies, Bachelor of Science General Course*

Each student is expected to complete in the first two years most of the required courses listed in the curriculum above, except number IX. In any case, unless exception is granted by the Dean of Letters and Science, the following shall be completed:

1. During the freshman year,
  - a) English 1-2, 6 credits.
  - b) Laboratory science (biology, chemistry, geography, or physics), 10 credits.
  - c) Physical Education 1-2 or 3-4, 2 credits.
2. During the sophomore year,
  - a) History 11 and 12, 6 credits.
  - b) Physical Education 11 and 12, 2 credits.
3. At some time during the freshman and sophomore years,
  - a) Speech 1, 2 credits.
  - b) Social studies or humanities, 3 credits.
  - c) Mathematics or foreign language, any deficiency under items III and IV in the Bachelor of Science curriculum.

**A Typical Freshman Course**

First Semester		Second Semester	
	Credits		Credits
English 1 .....	3	English 2 .....	3
Science <sup>1</sup> (Laboratory) .....	5	Science <sup>1</sup> (Laboratory) .....	5
Physical Education 1 or 3 ..	1	Physical Education 2 or 4 ..	1
Electives <sup>2</sup> .....	5-7	Electives <sup>2</sup> .....	5-7
<hr/>		<hr/>	
14-16		14-16	

<sup>1</sup>To be selected from the science courses listed under Freshman Studies.

<sup>2</sup>Such electives should, when possible, satisfy general requirements such as mathematics or foreign language, or professional pre-requisites.

**Freshman Studies, Letters and Science**

1. English.

First year students must register for English 1 and 2. Three credits each.

2. Mathematics.

Mathematics 1 or 2; 5-6, or 7-8, or 9. Four credits each.

3. Science.

See Section VI under Bachelor of Science (above).

Chemistry 10 (four credits) is open to freshmen who have the prerequisite.

4. Foreign Language. (No less than eight credits in a language may be applied toward a degree.)

French 1-2. Four credits each.

German 1-2. Four credits each.

Russian 1-2. Four credits each.

Spanish 1-2. Four credits each.

Students with prior training in languages will be assigned to advanced classes as determined by their skills.

5. Social Studies.

Geography 10. Three credits. Not open to students who register for Geography 1, 2, or 3.

History 1, 2, 3, 4. Three credits each.

Political Science 1, 2. Three credits each.

Sociology 1. Three credits.

Sociology 2K, 2L. Two credits each.

6. Other courses.

Art 2. Two credits.

Art 3, 4. Three credits each.

Conservation 1. One credit.

Journalism 1, 2. Three credits each.

Music 4, 5, 7. One credit each.

Music 2, 3. Two credits each.

Music 1, 9-10. Three credits each.

Physical Education 1-2, or 3-4. One credit each.

Speech 5. Three credits.

Speech 1, 3, 10. Two credits each.

Speech 7. One credit.

For other courses in accounting, business education, conservation, education, engineering graphics, home economics, music, physical education, and library science, see the "Twenty credit rule" below.

For other courses open to freshmen consult the course descriptions in the section "Details of Courses."

7. Students with an excellent academic record may, with the permission of the Dean, elect one course with a prerequisite of sophomore standing.

### **MAJOR STUDY**

Before the beginning of the junior year each student in Letters and Science must select a major study, with the written approval of the chairman of that major department, and must have an approved plan of major study. A department may refuse to accept a student for major study in that department if the student's general academic record is not satisfactory to that department. The department may refuse to approve his continued registration as a major if his subsequent achievement falls below the standard set by the department.

Acceptable majors and minors in the College of Letters and Science are: American civilization, biology, business administration, chemistry, economics, English, French, general science (Paragraph A under General Science in section "Details of Courses"), geography, German, history, mathematics, music, philosophy, physics, political science, psychology, social science (Paragraph A under Social Science in section "Details of Courses"), and sociology.

### **MINOR STUDY**

The Letters and Science degrees do not require minor studies, but any minor listed in the catalog may be completed. However, only 20 credits in minors in departments not listed for majors above may be applied to complete the required 120 credits. (See the "Twenty Credit Rule," below.)

### **RESTRICTIONS**

Courses from the following departments may not be applied toward degrees in the School of Letters and Science, with certain exceptions: accounting, business education, conservation, education, engineering graphics, home economics, music, physical education, library science.

#### **Exceptions:**

- 1) **Twenty credit rule:** Students may apply courses from the above departments toward degrees in the School of Letters and Science, but not more than a total of 20 credits, and not more than 6 credits in any one semester.
- 2) Any course from the above departments may be applied

- toward a degree in L&S if it is listed in the "General Requirements" for the degree.
- 3) Any course from the above departments may be applied toward a degree in L&S if the course is cross listed in a department other than one listed above.
  - 4) The following courses in education are the only ones which may be applied under the twenty-credit rule: Education 1, 113, 121, 131, 132, 135, 136.
  - 5) The following courses in Business are not subject to the twenty-credit restriction: Business 61, 130, 140, 150, 170, 180.

### CLASSIFICATION

A student in Letters and Science must have 25 credits and 50 grade points before he may register as a sophomore; 58 credits and 116 grade points and be accepted by a major department before he may register as a junior; and 88 credits and 176 grade points before he may register as a senior. Required physical education credits will not be included in these classifications. A point-credit ratio of 2.00 is necessary for graduation.

### PREPARATION FOR PROFESSIONAL STUDY

Students planning to enter various professional schools complete part of their college work before being admitted to professional study. A student with such objective may register in Letters and Science and will be assigned an adviser familiar with the requirements of the profession which he plans to follow. He will plan his studies within the curriculum of either the Bachelor of Arts or the Bachelor of Science degree and will select the specific courses recommended for his profession.

General descriptions of requirements for some professions are given on the following pages. More specific suggestions will be sent upon request. Different schools training for the same profession sometimes require different pre-professional studies; hence each student must be acquainted with the requirements of the school which he plans to enter, and must consult carefully and frequently with his adviser. The problems confronting each student are given careful consideration by his adviser and the Dean of Letters and Science.

#### Dentistry

Students preparing to enter dental college should take a course

similar to the pre-medical course. Generally speaking, dental schools strongly recommend, but do not specifically require, foreign language. The ruling of the Dental Educational Council of America calls for at least six semester hours of the following: English, biology, physics, inorganic chemistry, and three semester hours of organic chemistry. Sufficient additional credits to total at least sixty hours must be submitted as preparation for the customary three years in leading schools of dentistry.

#### **Education**

A student who is considering education and who may transfer to the School of Education in this university should follow the general requirements for the Bachelor of Science degree. He should include the specific requirements of that school and of the major study which he plans to pursue.

Students who have not determined the teaching area for which they will study should consult not only their advisers but also the Dean of the School of Education.

#### **Engineering and Scientific Research**

The requirements for professional and graduate study in the fields of engineering and research vary with the specialization but are centered in mathematics and sciences, and, in research, often necessitate foreign language ability. From one to four years' preparation for these professions (depending upon the specialization) may be completed at Stevens Point. Advisers direct the student's selection of studies, which should lead toward the Bachelor of Science degree.

#### **Journalism**

The two years of pre-journalism studies follow the general requirements of the Letters and Science degrees with special attention given to courses in English, social studies, and foreign language.

#### **Law**

Pre-legal studies require three to four years. A good record made while completing the general and major requirements for a Bachelor of Arts or a Bachelor of Science degree will qualify a candidate for admission to Law School. Law Schools recommend, however, that candidates select majors in social studies (history, economics, political science, American institutions) and gain some understanding of American economic, political, and constitutional



history as well as an acquaintance with philosophy and social psychology.

**Medicine**

It is recommended that students planning medical studies should secure high school training in mathematics and Latin. In the university they should follow a curriculum leading to one of the degrees.

Premedical requirements include literature, history, chemistry, zoology, physics, mathematics, social science, and two years of foreign language. These studies usually require a minimum of three years. Because of slightly varying requirements of different medical schools the student must plan his courses carefully in consultation with his adviser.

Most medical schools require that the Medical Aptitude Test be taken before admission. This test is administered annually and may be taken in the sophomore or junior year.

**Mortuary Science**

This university provides the two years of pre-professional training necessary to enter a mortuary school.

**Social Administration**

Students interested in this field should register in Letters and Science and enroll in a major in either economics, history, political science, sociology, or social science.

**Social Work and Anthropology**

Courses in social work and anthropology are offered within the sociology curriculum. Students interested in either of these fields should register in Letters and Science and enroll in a sociology major.

**Other Pre-professional Studies**

Students planning to enter other fields will be assigned to advisers who will guide them in their studies.

## **PLACEMENT SERVICES**

The university provides a full placement service for graduates and alumni of the four schools: (1) Applied Arts and Science, (2) Education, (3) Fine Arts, and (4) Letters and Science.

Near the close of the junior year and early in the first semester of the senior year, all students who register for graduation receive the forms needed to obtain information for the preparation of a placement file and confidential credentials. Personal information, names of individuals from whom recommendations are requested, evaluations of experiences related to the student's preparation, an appraisal of extra-curricular activities, listing of honors and special recognition for achievements, and other evaluative materials are obtained and included in the candidate's file. Photographs are not attached to placement credentials, nor is there reference to race, color, or creed included in the student's placement file or credentials. The placement office does not furnish employing officials with any discriminatory information relating to any candidate. Copies of credentials are prepared and will be sent only to authorized employing officials. Placement credentials are the property of the university and are to be returned to the placement office when no longer needed by employing officials. A copy may be retained by employing officials while the candidate is in the employ of the school, company, or institution.

Credentials are made available to employing officials who visit the placement office to interview candidates. These are reviewed and studied prior to the interview to acquaint the interviewer with the candidate. Students with strong records and complete credentials are frequently employed following the interview, since the essential evaluations and recommendations have been obtained and compiled previously.

Placement services are available to all alumni of the university whose experience record merits the continued support of the university. Arrangements need to be made in advance by the candidate to obtain the forms needed to provide the information required to bring the credentials up to date. This includes the reporting of graduate work and advanced degrees including scholarships, grants, or fellowships received, and the names and addresses of individuals

to whom evaluation forms are to be sent in assessing the candidate's achievements and experiences. Notice of promotional opportunities will be provided candidates at the time the credentials are ready for review and distribution. The advantage of maintaining an up-to-date placement file should be fully recognized by all alumni who are interested in new employment opportunities and promotions. There is no charge for the placement services of the university.

## DETAILS OF COURSES

Courses numbered 1-99 are primarily for freshmen and sophomores.

Courses numbered 1-10 are generally open to freshmen and other students who have the prerequisites stated in the course descriptions. If no prerequisite is stated, the course is open without restriction to all students.

Courses numbered 11-99 require sophomore standing, or some other prerequisite. They are open to all students who have the prerequisites stated in the course descriptions.

Courses numbered 100-199 are open only to juniors and seniors who have the prerequisites stated in the course descriptions. In cases of extreme urgency, the Deans of the Schools may give permission for sophomores to register for these courses. This permission must be given in writing before the student registers for the course(s).

Any student who registers for courses contrary to the above regulations will not receive credit for such courses.

To receive a degree, the student must earn at least 40 credits in courses numbered 100-199.

### ACCOUNTING

Accounting courses are now listed under Business Administration.

### AMERICAN CIVILIZATION

Mr. Mickelson, adviser.

A. A major in American Civilization consists of 45 credits divided among four major areas: American History; American Literature; American Fine Arts, Speech and Philosophy; and American Social Sciences. It is intended to provide a view of American Civilization as a recognizable entity — enabling the student to understand better his own culture and its relation to other cultures. A major in American Civilization can be earned in either the School of Education or the School of Letters and Science.

1. All students majoring in American Civilization are required to take 26 credits of basic studies in American Life. These required courses are the following: English 13-14 (American Literature); Geography 26 (North America); History 11-12 (United States History); Music 2 (American Music); Political Science 1 (American National Government); Sociology 100 (The American Community); and American Civilization 100 (American Life).
2. All students majoring in American Civilization are also required to take nine credits of courses numbered 100 or above in a civilization other than that of the United States: courses from an approved list covering the history, literature, fine arts, philosophy, and social science of England, France, Germany, Russia, etc.
3. To complete the required 45 credits for a major, ten additional credits of electives in courses numbered 100 or above should be

selected from an approved list of courses in the four areas of American Civilization.

4. Students in the Secondary Education curriculum majoring in American Civilization are required to make either of the following applications of Plans 1 and 3 as listed under the requirements for work in Secondary Education:

Plan 1 — Students earning a major and minor in two of the contributing disciplines may at the same time earn a major in American Civilization.

Plan 3 — Students earning the broad field major in social science can at the same time earn a major in American Civilization.

5. Students in the School of Letters and Science who are earning majors and minors in participating, or non-participating, fields can earn an inter-departmental major or minor in American Civilization.

B. A minor in American Civilization consists of the 26 credits of basic studies required for the major in American Civilization. (See paragraph 1, under A, above.) (See also paragraph 5, under A, above.)

American Civilization 100. American Life.

Three credits.

The integrating course in American Civilization, including philosophy, methods, and bibliography. The semester is organized around themes, persons, and periods in American Life, such as individualism, Frank Lloyd Wright, the 1920's, etc.

## ART

Mr. Runke, chairman; Mr. Beard, Mr. Keats, Mr. Russell, Mr. Sandmann, Miss Sands.

A. A major in Art consists of 54 credits, including Art 1, 2, 5, 21, 31, 131, 141, 151, 161, 171, 190, 192, and 193.

In the School of Education, both Education 104M and 105X are required.

A minor is NOT required with a 54 credit major.

B. A minor in Art consists of 22 credits, including:

- (a) Art 1, 2, 3, and 5;
- (b) Two of these: Art 21, 31, 131;
- (c) One of these: Art 141, 151, 161, or 171;
- (d) Art 192 or 193.

In certain cases, substitutions may be permitted by the chairman of the department.

A fee is charged for some studio courses to cover the cost of materials furnished to the student by the department.

The Art Department reserves the right to hold one piece of work in each studio area for display purposes and as a part of the permanent collection of the department.

Art 1. (Formerly 1a) Design: 2-dimensional.

Three Credits.

Fundamental design principles in the art process on the 2-dimensional plane, including art structure, principles of arrangement, and color theory, utilizing a variety of materials.

## 76 WISCONSIN STATE UNIVERSITY

- Art 2. (Formerly 1b) Design: 3-dimensional.** Three credits.  
Fundamental design principles in the art process in 3-dimensions, including positive and negative space in structure and arrangement, utilizing a variety of materials.  
Prerequisite: Art 1.
- Art 3. Drawing** Three credits.  
Representational drawing.  
Prerequisite: Art 2, or concurrent registration.
- Art 5. (Formerly 4) Introductory Crafts.** Three credits.  
Application of design principles in various craft projects.  
Prerequisites: Art 2, or concurrent registration; Art 3.
- Art 6. (Formerly 2) Layout and Lettering.** Two or three credits.  
Fundamentals of lettering in various alphabets; problems in poster, sign, and advertising layout in a variety of media.  
Prerequisite: Art 2, or concurrent registration.
- Art 21. (Formerly 20a) Printmaking.** Three credits.  
Print-making in black and white, and color, employing basic graphics media and techniques.  
Prerequisite: Art 3.
- Art 22. (Formerly 20b) Printmaking.** Three credits.  
Advanced problems in the graphics media.  
Prerequisite: Art 21.
- Art 31. (Formerly 30a) Painting: Watercolor.** Three credits.  
Still life and landscape painting in transparent and opaque watercolor.  
Prerequisite: Art 3.
- Art 32. (Formerly 30b) Painting: Watercolor.** Three credits.  
Advanced problems in the watercolor medium.  
Prerequisite: Art 31.
- Art 131. (Formerly 131a) Oil Painting.** Three credits.  
Painting techniques in figure, still life, and landscape.  
Prerequisite: Art 3.
- Art 132. (Formerly 131b) Oil Painting.** Three credits.  
Advanced problems in the oil medium.  
Prerequisite: Art 131.
- Art 141. (Formerly 140) Advanced Crafts.** Three credits.  
Advanced problems of applied design in various craft projects.  
Prerequisite: Art 5.
- Art 151. (Formerly 150a) Sculpture.** Three credits.  
Introduction to the materials and techniques of sculpture; creation of three-dimensional works by carving, casting, and construction; emphasis on contemporary use of materials and mixed media.  
Prerequisite: Art 3.
- Art 152. (Formerly 150b) Sculpture.** Three credits.  
Advanced problems in sculpture including a greater variety of materials and advanced techniques.  
Prerequisite: Art 151.

- Art 161. (Formerly 160a) Ceramics.** Three credits.  
Introduction to the materials and techniques of ceramics; methods of construction of ceramic ware, glazing, firing, and kiln management.  
Prerequisite: Art 3.
- Art 162. (Formerly 160b) Ceramics.** Three credits.  
Advanced problems and techniques in ceramic art.  
Prerequisite: Art 161.
- Art 171. (Formerly 170a) Art Metal.** Three credits.  
Basic materials and techniques of art metal; problems of design and application in relation to the various materials used.  
Prerequisite: Art 5
- Art 172. (Formerly 170b) Art Metal.** Three credits.  
Advanced problems in art metal.  
Prerequisite: Art 171.
- Art 190. Seminar.** Two credits.  
Open only to Art majors who are seniors; research into problems and developments in the field of art.
- Art 192. History and Appreciation of Art.** Three credits.  
Survey of art history in the areas of architecture and sculpture.
- Art 193. History and Appreciation of Art.** Three credits.  
Survey of the pictorial arts; representative artists and schools of painting, reflecting their contributions to the field of art.
- Art 199. Special Work.**  
Upper class students majoring or minoring in Art may, by agreement with their dean and the chairman of the Art Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

## ASTRONOMY

- Mr. Blocher, Mr. Taylor.
- Astronomy 11. Elementary Astronomy.** Three credits.  
Elementary descriptive astronomy; mathematics not required; evening meetings required for observation and use of the department's four-inch refractor.  
Prerequisite: Sophomore standing.

## BIOLOGY

- Mr. Simpson, chairman; Mr. Barnes, Mr. Becker, Mr. Bowen, Mr. Copes, Mr. Epple, Mr. Geeseman, Mr. Pierson, Mr. Searles, Mr. H. H. Smith, Mr. Whitmire, Mr. Wilde.
- A. A major in Biology consists of Biology 3; 4; 24 or 101; 105, 135, or 140; 160, 165, or 170; 190; and sufficient additional credits to total 34. At least 12 credits should be numbered 105 or above, and these should include one advanced plant course and one advanced animal course. One year of college chemistry is required.
- B. A minor in Biology consists of Biology 3; 4; 24 or 101; and sufficient

## 78 WISCONSIN STATE UNIVERSITY

additional credits to total 22. At least four credits should be in courses numbered 105 or above. At least one advanced course should be in the area (animal or plant) opposite to that selected for the physiology course.

Students who have taken Biology 1 may complete a minor by taking Biology 24 or 101; 160 or 165; and other courses specifically approved by the chairman of the department to total 22 credits.

**Biology 1. General Biology.** Five credits.

Biological principles; survey of a wide variety of plant and animal life. Three hours lecture, four hours laboratory per week.

**Biology 3. Introduction to Plant Biology.** Five credits.

General biological principles with emphasis on growth, reproduction, structure and functions of plants; morphological studies of typical plants. Three hours lecture, four hours laboratory per week.

**Biology 4. Introduction to Animal Biology.** Five credits.

Anatomy, physiology, adaptation and classification of animals; morphology and anatomy of various types of animals. Three hours lecture, four hours laboratory per week.

**Biology 9. Nature Study.** Two credits.

General relationships to mankind of plant and animal life with special attention to nature study teaching and its correlation in the elementary grades.

**Biology 18. Trees and Shrubs.** Three credits.

Identification of the woody plants, native and cultivated, in summer and winter conditions; their use in landscaping and wildlife plantings and methods of vegetative propagation. One hour lecture, four hours laboratory per week.

Prerequisite: Biology 1 or 3.

**Biology 24. Animal Physiology.** Four credits.

A general course dealing with the body functions. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 4; or Biology 1 and Chemistry 1.

**Biology 35. Ornithology.** Three credits.

Identification, life histories, and habits of birds, with emphasis on local species. One hour lecture, four hours laboratory per week. There will be a nominal pro-rata charge for field trip expenses.

Prerequisite: Sophomore standing.

**Biology 40. Personal and Community Health.** Three credits.

Health practices and problems in the fields of personal and community health.

Prerequisite: Sophomore standing.

**Biology 101. Plant Physiology.** Four credits.

Plant growth and the chemical and physical processes associated with growth and reproduction. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 3, and one year of college chemistry.



**Biology 105. Plant Morphology.** Four credits.

Form and structure of plants and plant parts, both vegetative and reproductive. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 3.

**Biology 110. General Bacteriology.** Four credits.

Introduction to morphology, physiology, classification, and cultivation of bacteria, yeasts, and molds, with consideration of applied phases of bacteriology. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 1, 3, or 4. Preparation in chemistry is highly desirable.

**Biology 115. Plant Pathology.** Three credits.

Causes, symptoms, spread, and control of plant diseases. Two hours lecture, two hours laboratory per week.

Prerequisite: Biology 3.

**Biology 120. Plant Taxonomy.** Three credits.

Collecting, classification, and phylogenetic considerations, with emphasis on seed plants. One hour lecture, four hours laboratory per week.

Prerequisite: Biology 3.

**Biology 125. Natural History of Vertebrates.** Four credits.

Life histories and classification of midwestern vertebrates. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 1 or 4.

**Biology 127. Ichthyology.** Three credits.

Classification and natural history of fishes, with emphasis on food, game, and forage fishes found in Wisconsin. Two hours lecture, three hours laboratory per week. There will be a nominal pro-rata charge for field trip expenses.

Prerequisite: Biology 1 or 4.

**Biology 130. General Entomology.** Four credits.

Structure, classification, and natural history of insects, with practice in collecting, mounting, and identification. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 1 or 4.

**Biology 135. Embryology.** Four credits.

Early embryology of vertebrates and the development of organ systems. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 4.

**Biology 140. Comparative Vertebrate Anatomy.** Four credits.

Structure and evolutionary relationships of vertebrates; basic similarities and progressive changes in animals as they increase in complexity from aquatic to land forms. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 4.

**Biology 145. Animal Parasitology.** Four credits.

Structure, classification, and life histories of animal parasites. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 1 or 4.

## 80 WISCONSIN STATE UNIVERSITY

**Biology 155. Field Zoology.** Three credits.

Field trips; collection, preparation, and identification of local animals. One hour lecture, four hours laboratory per week. There will be a nominal pro-rata charge for field trip expenses.

Prerequisite: Biology 1 or 4.

**Biology 160. Heredity and Eugenics.** Three credits.

General principles of heredity and variation in plants and animals, with emphasis on human inheritance.

**Biology 165. Ecology.** Three credits.

Physical and biotic interrelationships of plants and animals in their environment. Two hours lecture, three hours laboratory per week. There will be a nominal pro-rata charge for field-trip expenses.

Prerequisite: Biology 1; or Biology 3 and 4.

**Biology 170. Biological Technique.** Four credits.

Preparation of plant and animal tissues, organs, and entire organisms for microscopic and macroscopic study. Two hours lecture, four hours laboratory per week.

Prerequisite: Biology 1; or Biology 3 and 4.

**Biology 190. Seminar.** One credit.

Studies and discussions of biological problems. Required of all Biology majors during the senior year.

**Biology 199. Special Work.** One or two credits.

Upper class students majoring or minoring in Biology may, with the consent of their dean and the chairman of the Biology Department, arrange for special research projects and be allowed one or two credits for the satisfactory completion of them.

## BUSINESS ADMINISTRATION

Courses in Business are taught by members of the Economics Department, which also administers the major in Business Administration.

A major in Business Administration consists of (a) 47 credits in Business and Economics, and (b) 7 credits of required collateral courses. A student completing this major will at the same time fulfill the requirements for an Economics minor.

A. The 47 credits in Business and Economics shall include:

1. 41 credits as follows: Business 11, 12, 130, 140 or Economics 146, and 170 or 180; Economics 11, 12, 105, 122 or Psychology 17, 124 or 156, 130, 135, and 137.

2. Six credits from the following: Business 61, 120, 150, and 181.

B. The required collateral courses are English 30 and Mathematics 10.

**Business 11. Elements of Accounting.** Four credits.

Fundamentals of business accounting; records, books, accounts, and reports used in commercial and manufacturing firms; variations in accounting for corporations, partnerships, and independent businessmen; elementary income tax.

Prerequisite: Sophomore standing.

**Business 12. Intermediate Accounting.** Four credits.

Theories in accounting and the application of alternative accounting procedures with problems illustrating their use.

Prerequisite: Business 11.

**Business 61. Principles of Insurance.** Three credits.

For the non-specialist, an introduction to the history of insurance, basic definitions and terminology, the fields of insurance and types of carriers, the insurance contract, the planning and purchase of insurance.

Prerequisite: Economics 11, or consent of instructor.

**Business 111. Cost Accounting.** Three credits.

Methods of finding the cost of each business operation and techniques to use such information for effective management.

Prerequisite: Business 11.

**Business 112. Advanced Accounting.** Three credits.

Specialized accounting applications; partnership, branch accounts, installment sales, consolidations, governmental, public utilities, and income tax reporting from accounting records.

Prerequisite: Business 12.

**Business 120. Data Processing.** Three credits.

Computer systems and their application to business problems; machine indoctrination, coding, computer logic, programming, and specialized techniques allied with integrated data processing.

Prerequisite: Economics 11, or consent of instructor.

**Business 130. Marketing.** Three credits.

An analysis of institutions, functions, and problems in marketing; planning and procedures related to the distribution of goods: costs, price determination, and trends.

Prerequisite: Economics 12.

**Business 140. Business Law.** Three credits.

Law of real and personal property, agency, negotiable instruments, and contracts.

**Business 150. Investments.** Three credits.

Construction and management of investment portfolios in order to meet the needs of personal and institutional investors; selection of securities in order to balance income, risk, and capital growth.

Prerequisite: Economics 137.

**Business 170. Personnel Relations.** Three credits.

Principles, policies, and practices applicable to personnel problems in dealing with staffing, training, wages, labor relations, communications.

Prerequisite: Economics 11.

**Business 180. Principles of Management.** Three credits.

Theory of management, managerial functions, departmentalization, staffing, direction, planning, and control.

Prerequisite: Economics 11.

## 82 WISCONSIN STATE UNIVERSITY

### **Business 199. Special Work.**

Upper-class students majoring in Business Administration may, by agreement with their dean and the department chairman, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

### **BUSINESS EDUCATION**

Mr. Koeppen, chairman.

Two alternatives are offered for majors in Business Education: (1) a comprehensive major; and (2) a major with a minor in a field outside of Business Education.

A. The comprehensive major in Business Education consists of:

1. Business Education 1, 2, 3, 4, 104, and 106.
2. Collateral courses, including: Economics 11, 12, and 130; Mathematics 10; English 100; Business 11, 12, 120, 140, and 180.

B. The major, with a minor in a field outside of Business Education consists of:

1. The courses listed in 1 and 2 above, with the following exceptions:
  - a. Business 120 omitted.
  - b. Business Education 105 instead of Business Education 106.
2. Completion of a minor in some other subject.

**Business Education 1. Beginning Typewriting.** Two credits.

The mechanism of the typewriter, its technique of operation and the development of basic skill.

**Business Education 2. Advanced Typewriting.** Two credits.

Development of typewriting proficiency.

Prerequisite: Business Education 1, or exemption on proficiency.

**Business Education 3. Beginning Shorthand.** Four credits.

Introduction to shorthand; reading and dictation practice.

**Business Education 4. Advanced Shorthand.** Four credits.

Development of shorthand abilities.

Prerequisite: Business Education 3, or exemption on proficiency.

**Business Education 104. Office Procedures and Machines.** Three credits.

Principles of office organization, filing systems, business machines.

Prerequisites: Business Education 2 and 4, or equivalent.

**Business Education 105. Secretarial Techniques.** Three credits.

Shorthand, typewriting, and English in the transcription of letters; duties, responsibilities, and personal qualities of the secretary; human relations in the business office.

Prerequisites: Business Education 2 and 4, or equivalent.

**Business Education 106. Secretarial Techniques and Practices.** Six credits.

Shorthand, typewriting, and English in the transcription of letters; duties, responsibilities, and personal qualities of the secretary; human relations in the business office; on-the-job work experience in industrial situations.

Prerequisites: Business Education 2, 4, and 104, or equivalent.

Business Education 199. Special Work.

Upper class students majoring in Business Education may, by agreement with their dean and the chairman of the Business Education Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

SUGGESTED CURRICULUM for the comprehensive major

FRESHMAN

First Semester	Credits	Second Semester	Credits
English 1 .....	3	English 2 .....	3
Laboratory Science .....	5	Laboratory Science .....	5
Mathematics (as required) ....	4	Mathematics 10 .....	4
Physical Education 1 or 3 .....	1	Physical Education 2 or 4 .....	1
Electives .....	3	Speech 1 .....	2
	<hr/>		<hr/>
	16		15

SOPHOMORE

Humanities elective .....	3	Humanities elective .....	3
History 11 .....	3	History 12 .....	3
Economics 11 .....	3	Economics 12 .....	3
Business Education 1* .....	2	Business Education 2* .....	2
Business Education 3* .....	4	Business Education 4* .....	4
Physical Education 11 .....	1	Physical Education 12 .....	1
	<hr/>		<hr/>
	16		16

JUNIOR

Business 11 .....	4	Business 12 .....	4
Business Education 104 .....	3	Business Education 106 .....	6
Psychology 11 .....	3	Education 111 .....	3
English 100 .....	3	Education 105K .....	2
Business 180 .....	3		<hr/>
	<hr/>		15
	16		

SENIOR

Education 198 .....	10	Economics 130 .....	3
Education 112 .....	3	Business 140 .....	3
Education 105L .....	2	Business 120 .....	3
	<hr/>	Humanities elective .....	3
	15	Electives .....	3
			<hr/>
			15

\*Students may be exempt from this course upon satisfactory completion of a proficiency examination prior to the semester in which the course is offered.

**CHEMICAL ENGINEERING**

Several curricula for students planning to transfer to a course in Chemical Engineering have been approved by the faculty. For information, consult the chairman of the Chemistry Department.

**CHEMISTRY**

Mr. Trytten, chairman; Mr. Andrews, Miss Eddy, Mr. Faust, Mr. Kallander, Mr. Lang, Mr. Moehlenpah, Miss Oyster, Mr. Sommers, Mr. Schmid, Mr. Weaver.

A. A major in Chemistry consists of Chemistry 7, 8, 15, 20, and additional credits in Chemistry courses numbered 100 or above to total 34 (exclusive of 190 and 199). Students planning careers as chemists, or graduate work in chemistry, are urged to take more than the minimum required for a major. Such students should take at least 40 credits in chemistry.

B. A minor in Chemistry consists of Chemistry 7, 8, 15, 20, and additional credits in chemistry courses numbered 100 or above to total 22.

With the permission of the chairman of the department, Chemistry 5-6 may be substituted for Chemistry 7-8 in either the major or minor.

**Chemistry 1. Basic Chemistry.** Five credits.

Basic principles of chemistry; descriptive chemistry of some of the common elements and compounds. Two hours lecture, two hours quiz, three hours laboratory per week.

**Chemistry 5-6. (Formerly 2a-2b) Fundamental Chemistry.** Each five credits.

Introductory chemistry, for students who do not qualify for Chemistry 7-8. Covers the same topics as Chemistry 7-8, but the treatment is less rigorous and more descriptive in nature. Two hours lecture, two hours quiz, three hours laboratory per week.

**Chemistry 7-8. (Formerly 4a-4b) General Chemistry.** Each five credits.

Fundamental laws and principles of chemistry; descriptive chemistry of the metals and non-metals; qualitative analysis. Two hours lecture, two hours quiz, three hours laboratory per week.

Prerequisites: One year of high school chemistry and two years of high school mathematics, all with grades of C or better.

**Chemistry 10. Elementary Biochemistry.** Four credits.

Introduction to the chemistry of the major constituents of living cells and the basic transformations that these entities undergo in biological systems. Three hours lecture, one hour quiz per week.

Prerequisite: Chemistry 1 or equivalent.

**Chemistry 15. Quantitative Analysis.** Five credits.

Gravimetric and volumetric methods with applications; introduction to spectrophotometry and potentiometric methods. Three hours lecture, six hours laboratory per week.

Prerequisites: Chemistry 8; Mathematics 6, 8, or 9. Chemistry 6 may be substituted for Chemistry 8 with the consent of the chairman of the department.

**Chemistry 20. Organic Chemistry I. Five credits.**

Introduction to the chemistry of carbon compounds; the hydrocarbons and their derivatives. Three hours lecture, six hours laboratory per week.

Prerequisite: Chemistry 8. Chemistry 6 may be substituted for Chemistry 8 with the consent of the chairman of the department.

**Chemistry 110. Biochemistry. Five credits.**

Chemistry of the constituents of living matter; functions and transformations of these constituents in biological systems; chemical and energetic changes associated with these transformations. Three hours lecture, six hours laboratory per week.

Prerequisites: Chemistry 15, 20.

**Chemistry 121. Organic Chemistry II. Five credits.**

Detailed descriptive chemistry of compounds of the aliphatic, aromatic, and heterocyclic series; laboratory work on analysis and synthesis of representative organic compounds. Three hours lecture, six hours laboratory per week.

Prerequisites: Chemistry 15, 20.

**Chemistry 131. Physical Chemistry I. Five credits.**

Introductory physical chemistry: properties of gases, the kinetic-molecular theory, atomic and molecular structure, thermodynamics, thermochemistry, the chemical bond, chemical equilibria. Three hours lecture, six hours laboratory per week.

Prerequisites: Chemistry 15, 20; Physics 32; Mathematics 32.

**Chemistry 132. Physical Chemistry II. Five credits.**

A continuation of Chemistry 131; chemical kinetics, liquids, crystals, phase equilibria, solutions, electrochemistry, surface chemistry, macromolecules. Three hours lecture, six hours laboratory per week.

Prerequisite: Chemistry 131.

**Chemistry 140. Advanced Analytical Chemistry. Four or five credits.**

Theory and applications of complex chemical equilibria; selected methods of analytical separations and instrumental analysis: potentiometry, polarography, spectrophotometry, gas and liquid-liquid chromatography, ion exchange, chelometry, extraction, and distillation. Two hours lecture, six or nine hours laboratory per week.

Prerequisite: Chemistry 132, or concurrent registration therein.

**Chemistry 141. Advanced Inorganic Chemistry. Four credits.**

Nuclear chemistry, atomic and molecular structure, the chemical bond, coordination compounds and complex ions, non-aqueous solvents, descriptive inorganic chemistry, inorganic reaction mechanisms. Four hours lecture per week.

Prerequisite: Chemistry 132.

**Chemistry 190. Seminar. One credit.**

Studies and discussions of current developments in chemistry.

**Chemistry 199. Special Work.**

Seniors majoring in chemistry may, with the consent of their dean and the chairman of the Chemistry Department, arrange for special research projects, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**COLLOQUIUM**

The purpose of the Colloquium is to help students acquaint themselves with great ideas developed by mankind and evaluate the theories and practices of the twentieth century in the light of human learning of the past three thousand years. It is a course for reading and discussion.

The separate courses need not be taken in numerical sequence. Each course includes books from the ancient to the current and is sufficiently flexible to provide for the needs and interests of the students who register.

Credit in these courses may, with the consent of the chairman of the departments, be used to satisfy some of the requirements in the departments of History, Social Science, English, and Philosophy.

**Colloquium 101-102-103-104.****Colloquium on Important Books.**

Each two credits.

Group reading and discussion of some of the writings of eight different authors from the Greek era to the present.

Prerequisite: Consent of the instructor.

**CONSERVATION**

Mr. Wievel, chairman; Mr. Fralish, Mr. Harpstead, Mr. Korth, Mr. Lynch, Mr. Newman, Mr. Yambert.

**A. A major in Conservation consists of:**

1. 34 credits, including Conservation 1, 2, 3, 4, 5, 181, 182, and 190; Biology 165; Geography 3.
2. Collateral courses, including: Biology 3, 4; Chemistry 5-6 or 7-8; Mathematics 2, or 6, or 8.
3. Summer Camp courses, including: Conservation 129S, 149S, and 159S.

**B. A minor in Conservation consists of 22 credits, including Conservation 2, 3, 4, 5, and 184.**

**Conservation 1. Introduction to Natural Resources.**

One credit.

An introduction to natural resources, with emphasis on their integrated management and their role in man's social and economic welfare. Open to all students.

**Conservation 2. Introduction to Forest Resources.**

Three credits.

An introduction to the forest resources of the United States with special emphasis on the role of forestry in historic and current events; elementary mensuration and management techniques.

**Conservation 3. Introduction to Water Resources.**

Three credits.

Surface and sub-surface water resources, their economic and social importance, control, and conservation.



**Conservation 4. Introduction to Wildlife Resources.** Three credits.

An introduction to the wildlife resources of the United States; the importance of wildlife to our past and present economic and cultural life; selected problems in wildlife conservation.

**Conservation 5. Introduction to Soil Resources.** Four credits.

A study of the origin and development of soil, with emphasis on physical, chemical, and biological properties and their relationship to soil fertility.

Prerequisite: Chemistry 6 or 8 or concurrent registration therein.

**Conservation 111. Conservation of Natural Resources.** Three credits.

A survey of natural resources with emphasis on the development of the proper public attitude toward the wise use of our natural resources; designed principally as an informational course for those who will need it for teaching preparation. Not open to conservation majors or minors.

**Prerequisites** for the advanced courses listed below will depend on the discretion of the student's adviser in relation to the advisee's special interests in the field of conservation.

**Conservation 121. Dendrology.** Three credits.

Identification, classification, distribution, and economic importance of the principal forest trees of the United States.

**Conservation 122. Forest Mensuration.** Three credits.

Measurement of forest stands, products, and growth, including the construction and use of appropriate instruments, tables, and surveys.

**Conservation 123. Forest Management.** Three credits.

Basic information and techniques necessary to implement sound management practices in all- or even-aged stands.

**Conservation 124. Forest Protection.** Three credits.

An ecological study of forest damage resulting from fire, insects, and diseases, with emphasis on prevention, detection, and control.

**Conservation 141. Limnology.** Three credits.

A study of the physical, chemical, and biological phenomena of freshwater communities.

**Conservation 142. Game Management.** Three credits.

History and development of game management in the United States; fundamental principles of management of game animals; coordination of such management with current land use practices.

**Conservation 143. Game Management Techniques.** Three credits.

Survey of the techniques of managing game population; field mapping, food habit studies, game censuses, and control measures; special emphasis on techniques of game management as it applies to Wisconsin game populations.

**Conservation 144. Fisheries Management.** Three credits.

Survey of the characteristics of fishes that affect their management; basic principles of management of inland waters for fish production.

## 88 WISCONSIN STATE UNIVERSITY

**Conservation 150. Soil Management.** Three credits.

Principles and practices of soil conservation and soil fertility.

**Conservation 151. Forest Soils.** Three credits.

Properties and management of soils in relation to silviculture and agriculture, including the practical application of the principles of soil science.

**Conservation 152. Soil Genesis and Morphology.** Three credits.

Geologic origin, characteristics, and taxonomic grouping of soils, together with emphasis on survey methods and mapping procedures.

**Conservation 153. Agronomy.** Three credits.

A study of grain and forage crops, with emphasis on management practices.

**Conservation 175. Mineral Resources.** Three credits.

A descriptive and interpretive treatment of the distribution and production of world mineral resources, including conservation principles.

Same as Geography 175.

**Conservation 181. Conservation Administration.** Two credits.

The administrative principles and organizational structure of private, local, state, and federal conservation agencies.

**Conservation 182. Resource Economics.** Three credits.

Fundamental economic concepts and their application to resource use; traditional and revised theories of land use; problems of land policy formation with emphasis on conservation.

**Conservation 183. Conservation Law.** Three credits.

A study of legislation as it pertains to natural resources with consideration given to the need for, purpose of, and implementation of such laws.

**Conservation 184. Integrated Resource Management.** Three credits.

Integrated management of resources with emphasis upon combinations of principles prerequisite to the formulation and implementation of natural resources policy. Special attention is given to current issues, problems, trends.

Prerequisites: Conservation 2, 3, 4, 5.

**Conservation 190. Conservation Seminar.** Two credits.

Individual and group investigation of current problems in conservation.

Prerequisite: Senior standing for majors or minors in conservation.

**Conservation 199. Special Work.** One or two credits.

Upper class students majoring or minoring in Conservation may, by agreement with their dean and the chairman of the Conservation Department, arrange for special out-of-class work for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

### SUMMER CAMP PROGRAM

The summer camp program provides a unique opportunity for students to gain valuable field experience. The program is designed to serve as a supplement to on-campus courses. It is required of all students majoring in Conservation and graduating in the School of Applied Arts and Science.

Conservation 129S. Techniques of Forest Conservation.

Two or three credits.

A study of and field practice in the application of various forest conservation techniques, including methods used in mensuration, silviculture, management, and logging.

Conservation 149S. Techniques in Fish and Wildlife Conservation.

Two credits.

A study of and field practice in the application of various fish and wildlife conservation techniques, including census methods, management practices, and a study of the various types of gear used in the taking of fish and game.

Conservation 159S. Techniques of Soil and Water Conservation.

Two credits.

A study of and field practice in the application of various soil and water conservation techniques, including land use classification, various methods of erosion control, drainage, and public relations measures.

**CURRICULUM:** Majors in Conservation will be required to take the courses as outlined below.

FRESHMAN

First Semester		Second Semester	
	Credits		Credits
Biology 3 .....	5	Biology 4 .....	5
Conservation 1 .....	1	Conservation 3 .....	3
Conservation 2 .....	3	English 2 .....	3
English 1 .....	3	Mathematics .....	4
Physical Education 1 .....	1	Physical Education 2 .....	1
Social Studies .....	3		—
	—		16
	16		

SOPHOMORE

Chemistry 5 .....	5	Chemistry 6 .....	5
Conservation 4 .....	3	Conservation 5 .....	4
Geography 3 .....	5	History 12 .....	3
History 11 .....	3	Physical Education 12 .....	1
Physical Education 11 .....	1	Speech 1 .....	2
	—	Electives .....	0-2
	17		—
			15-17

## 90 WISCONSIN STATE UNIVERSITY

### In Secondary Education:

#### JUNIOR

Education 111 .....	3	Biology 165 .....	3
Education 105 .....	2	Economics 127 .....	2
Humanities .....	3	Education 110 .....	3
Social Studies .....	3	Education 198 .....	5
Conservation 175 .....	3	Electives .....	2-4
Electives .....	2-3		
	<hr/>		<hr/>
	16-17		15-17

#### SENIOR

Conservation 181 .....	2	Conservation 182 .....	3
Education 198 .....	5	Conservation 190 .....	2
Humanities .....	3	Education 112 .....	3
Electives .....	5-7	Humanities .....	3
	<hr/>	Social Studies .....	3
	15-17	Electives .....	3
			<hr/>
			17

### In Applied Arts and Science:

#### JUNIOR

##### First Semester

FORESTRY	SOILS	WILDLIFE
Conservation 121 .. 3	Conservation 151 .. 3	Biology 45 ..... 4
Humanities ..... 3	Humanities ..... 3	Humanities ..... 3
Social Studies ..... 3	Social Studies ..... 3	Social Studies ..... 3
Electives ..... 6-8	Electives ..... 6-8	Electives ..... 5-7
		<hr/>
15-17	15-17	15-17

##### Second Semester

Biology 165 ..... 3	Biology 165 ..... 3	Biology 165 ..... 3
Conservation 122 .. 3	Conservation 152 .. 3	Conservation 142 .. 3
Humanities ..... 3	Humanities ..... 3	Humanities ..... 3
Social Studies ..... 3	Social Studies ..... 3	Social Studies ..... 3
Electives ..... 3-5	Electives ..... 3-5	Electives ..... 3-5
		<hr/>
15-17	15-17	15-17

## SUMMER SESSION

The Summer Camp Program (Conservation 129S, 149S, and 159S) is required for all Conservation majors in the School of Applied Arts and Science.

## SENIOR

## First Semester

Conservation 123 .. 3	Conservation 153 .. 3	Conservation 141 .. 3
Conservation 181 .. 2	Conservation 181 .. 2	Conservation 143 .. 3
Humanities ..... 3	Humanities ..... 3	Humanities ..... 3
Electives ..... 7-8	Electives ..... 7-8	Conservation 181 .. 2
		Electives ..... 4-5
<hr/> 15-17	<hr/> 15-17	<hr/> 15-17

## Second Semester

Conservation 124 .. 3	Conservation 182 .. 3	Conservation 144 .. 3
Conservation 182 .. 3	Conservation 184 .. 3	Conservation 182 .. 3
Electives ..... 9-11	Electives ..... 9-11	Electives ..... 9-11
<hr/> 15-17	<hr/> 15-17	<hr/> 15-17

## ECONOMICS

Mr. Jensen, chairman; Mr. H. Anderson, Mr. Christie, Mr. Farmer, Miss Gidwani, Mr. Haferbecker, Mr. Sorensen, Mr. Webb.

A. A major in Economics consists of at least 30 credits in Economics, as follows:

1. Required courses: Economics 11, 12, 105, 130, 150.
2. Controlled electives: 9 credits from the following courses:  
Economics 101, 122, 124, 137, 146, 156, 181.
3. Electives: additional Economics courses to total 30 credits.
4. Collateral course: Mathematics 6, 8, 9, or 10.

B. A minor in Economics consists of 20 credits, including Economics 11, 12, and 130.

NOTE: For students in Secondary Education, the major in Economics consists of 34 credits, and the minor of 22.

**Economics 11. (Formerly 11a) General Economics.** Three credits.

An introduction to the character and scope of economics; elements of supply and demand; measurement and determination of national income; macro-economics; money and the banking system.

Prerequisite: Sophomore standing.

**Economics 12. (Formerly 11b) General Economics.** Three credits.

Monopolistic competition and price theory; micro-economics; theory of distribution; public finance; international trade; balance of payments.

Prerequisite: Economics 11.

**Economics 101. Development of Economic Thought.** Three credits.

A survey of economic thought from the mercantilists to recent writers.

Prerequisite: Economics 11.

## 92 WISCONSIN STATE UNIVERSITY

**Economics 105. Money and Banking.** Three credits.

Monetary and banking principles and practice; price theories; banking systems and their operation.

Prerequisite: Economics 11.

**Economics 106. Population Problems.** Three credits.

Demography, population theory, trends and analysis; United States and world population.

Prerequisite: Economics 11, or Sociology 1 or 11, or consent of instructor.

Same as Sociology 106.

**Economics 122. Labor Problems.** Three credits.

Employer-employee relationships; characteristics of labor markets; types of labor organizations and employer organizations; industrial disputes and the devices for effecting settlements; collective bargaining and labor legislation.

**Economics 124. Public Finance.** Three credits.

Theories, practices, and problems of taxation; proposed tax reforms; fiscal policy.

Prerequisite: Economics 11.

Same as Political Science 124.

**Economics 127. Consumer and Cooperative Economics.** Two credits.

Economics for the consumer; purchasing, investing, consumer credit, taxation, and insurance; the development, philosophy, and problems of consumer and marketing cooperatives.

**Economics 130. Statistical Methods.** Three credits.

Sources of statistical data, tabulation, charting, averages, dispersion, sampling and probability, index numbers, trends, seasonal variations, economic cycles, correlation.

Prerequisite: Economics 11.

**Economics 133. Managerial Economics.** Three credits.

Application of price theory and economic theory of the firm to business management decisions; use of microeconomics and macroeconomics in forecasting for business policy.

Prerequisite: Economics 12.

**Economics 137. Corporation Finance.** Three credits.

Business units, especially corporate, in present day enterprise; financial principles applicable to their operation.

Prerequisite: Economics 11.

**Economics 142. Public Utilities.** Three credits.

Development of public utilities in the United States; theoretical and institutional basis of public utility regulation; development of regulatory agencies; public versus private ownership.

Prerequisite: Economics 11.

**Economics 146. Business and Government.** Three credits.

A general survey of the problems of the relationship between government and business in an advanced technological society.

Prerequisite: Economics 12.

Same as Political Science 146.

**Economics 150. Economic Theory.**

Three credits.

The study of contemporary micro-economic theory, including consumption, production, pricing, and resources allocation; macro-economics, an analysis of the level of national income, is also included.

Prerequisite: Economics 12.

**Economics 151. Economic Development.**

Three credits.

The stages of economic growth; study of economic conditions and policy in the underdeveloped and intermediately developed national economies.

Prerequisite: Economics 12.

**Economics 152. Economic History of the United States**

Three credits.

Prerequisites: History 11, 12.

Same as History 152.

**Economics 156. International Trade.**

Three credits.

The role of international trade, principle of comparative advantage, foreign exchange, balance of payment, gold flows.

Prerequisite: Economics 12.

**Economics 163. Social Insurance.**

Two credits.

Various forms of public insurance, e.g., social security, unemployment insurance, compensation, retirement insurance and public welfare; theory and practice of public agencies of insurance; public insurance applied to industrial and agricultural development.

Prerequisite: Economics 11, or consent of instructor.

Same as Sociology 163.

**Economics 181. Business Cycles.**

Three credits.

Analysis of leading theories; the Keynesian system; monetary and other factors; measurement of income, output, and employment; forecasting; policy.

Prerequisite: Economics 12.

**Economics 199. Special Work.**

Upper class students majoring or minoring in Economics may, by agreement with their dean and the chairman of the Economics Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**EDUCATION**

Mr. Eagon, chairman; Mr. Bernd, Mrs. Berndt, Miss Biddlestone, Mr. Cable, Mr. Clements, Mr. Coaty, Mr. Counsell, Mr. Devine, Miss Dillin, Mr. Dowling, Mr. Gach, Mr. Gotham, Miss Gray, Mr. Hayes, Mr. Hoff, Mr. Johnson, Mrs. Jones, Miss L. Kellogg, Miss V. Kellogg, Mrs. Kerst, Mr. Koeppen, Miss Kuse, Mr. Lewis, Mr. Lutz, Mr. Marple, Miss McDonald, Mr. Oliver, Miss Padden, Mr. Pearson, Mr. Radke, Mrs. Ravey, Mr. Richert, Mrs. Samter, Mr. Schneider, Mrs. Shaurette, Mr. Snowden, Miss Treuenfels, Mr. Wiemann, Mrs. Williams, Mr. Yoder.

**Education 1. Driver Education for Beginners.**

No credit.

Concurrent with Education 136 for classroom discussion and activity;

behind-the-wheel training in a dual control automobile with a student instructor-in-training, under the supervision of the instructor.

**Education 101. Techniques in Kindergarten Education.** Two credits.  
Techniques used in kindergarten teaching; observation included.

**Education 102. Techniques in Primary Education.** Each two credits.  
Principles, aims, methods, and techniques.

102K - Reading and Phonics; L - Arithmetic, Social Studies, Science; M - Language, Spelling, Handwriting.

**Education 103. Techniques for Intermediate and Upper Grades.**  
Each four credits.  
Principles, aims, methods, and techniques of intermediate and upper grade teaching. Three hours lecture; observation and laboratory hours to be arranged.

103K - Reading, Language Arts; L - Social Studies, Arithmetic, Science.

**Education 104. Techniques in the Elementary School.**

104K. Guidance. Three credits.  
Policies and practices of organized guidance in the elementary school; personal, social, and educational adjustment problems and needs.  
Prerequisites: Education 121 and teaching experience.

104L. Speech. Three credits.  
Methods, materials, and philosophy for the teaching of speech in the elementary school; curricular correlation.

104M. Art. Two credits.  
Methods materials, and philosophy for the teaching of art in the elementary school.

104N. Music. Two credits.  
Theory and application of effective teaching skills in the primary and intermediate grades; aims and content of public school music in relation to general curriculum; classroom observation.  
Prerequisite: Music 10.  
Open only to Music majors and minors.

**Education 105. Techniques in Secondary Education.** Each two credits.  
Aims, methods, materials, techniques, planning, organization, testing, etc., as applied in high school teaching.

105K - Accounting; L - Shorthand and Typewriting; M - English; P - Foreign Language; Q - Home Economics; R - Mathematics; S - Music; U - Science; V - Social Studies; W - Speech; X - Art.

**Education 106. Techniques in Elementary and Secondary Education.**  
Each two credits.  
Aims, methods, materials, techniques, planning, organization, testing, etc., as applied in elementary and high school teaching.

106K - Physical Education; L - Speech Correction.

**Education 108. Workshop in Elementary Education.** Three credits.  
Workshop technique applied to problems of teaching in various curricular fields in the elementary schools. A subtitle will be added to the title to describe the area considered each time the course is offered.



**Education 110. Workshop in Education.** One to three credits.

Workshop technique applied to problems of teaching in the elementary and secondary schools. A subtitle will be added to the title to describe the area each time the course is offered. Prerequisites may be stated for each subtitle.

**110C - Conservation - Prerequisite:** open only to students majoring or minoring in Conservation; or Conservation 111.

**Education 111. Principles of Education.** Three credits.

Meaning and purposes of education in society; relationship of the teacher to the pupil, the school, the community, and the profession.

**Education 112. Educational Psychology.** Three credits.

Psychological bases of educational procedures and practices; the educational implications of the characteristics of physical and mental growth, emotional behavior, motivation, learning, and individual differences; an integrating course taken concurrently with student teaching.

**Prerequisite:** Psychology 11.

**Education 113. Philosophy of Education.** Three credits.

Educational philosophies underlying the various methods of teaching and of organizing subject matter; the relation of political and social philosophies to national systems of education, to different plans of school organization, and to various types of schools.

**Education 121. Tests and Measurements.** Three credits.

A brief history of the testing movement; functions of tests, methods by which they are applied, scored, and results tabulated; construction of objective tests and improvement of teacher-made tests.

**Education 131. Audio-Visual Education.** Three credits.

Classroom use of such aids as pictures, slides, motion pictures, and maps; training in the use of radio programs as an educational aid.

**Education 132. Production of Audio-Visual Aids.** Two credits.

Production of flannel boards, specimens and models, film strips, taped radio programs, displays and exhibits. Four hours per week.

**Prerequisite:** Education 131, or consent of instructor.

**Education 135. Safety Education.** Three credits.

Organization, administration, and teaching of safety in home, highway, water, athletic, recreational, and industrial areas.

**Education 136. Driver Education.** Three credits.

Organization, administration, and teaching of Driver Education and Training; requires the instruction of a new driver with the dual-control training car outside regular class hours.

**Education 181. Remedial Reading.** Two or three credits.

Preventive and remedial measures in the teaching of reading in all the grades and high school; diagnosis of causes and the application of remedial techniques.

**Education 183. Organization and Administration of Outdoor Education.**

Three credits.

Objectives, scope, and administrative aspects of outdoor education in

## 96 WISCONSIN STATE UNIVERSITY

the curriculum, including the role of school forests, day camps, school gardens, community resources, and other outdoor education techniques.

### Education 184. The Exceptional Child. Three credits.

Characteristics and educational needs of children who are mentally retarded, gifted, emotionally disturbed, or who have visual, hearing, speech, or motor handicaps; an introductory course for those preparing to teach exceptional children, and designed to aid the regular classroom teacher in recognizing and interpreting the significance of developmental deviations.

Prerequisite: Psychology 11.

### Education 185. Workshop in Mental Health. Four credits.

A workshop for classroom teachers interested in improving their teaching skills through a better understanding of the role of good mental health in the learning situation. The areas covered will include learning theory, mental health education, emotional growth, and special school and community services for the emotionally handicapped.

### Education 190. Seminar. One to three credits.

Studies and discussion of current problems in education. A subtitle will be added when specific areas are treated.

### Education 191. Organization and Administration of Vocational Home Economics. Three credits.

Organization and administration of the vocational home economics program in rural and city schools, including experience with adult home making education.

### Education 198. Student Teaching. Credit as arranged.

Observation and teaching under the guidance of supervising teachers; emphasis on guided teaching experiences in actual classroom situations. A subtitle will be added to the title to indicate the field in which the student teaching was done.

### Education 199. Special Work.

Upper class students in the School of Education may, by agreement with the dean and the chairman of the Education Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

## ENGINEERING GRAPHICS

Mr. Helgersen, Mr. Lampert.

### Engineering Graphics 1. Engineering Graphics. Three credits.

Orthographic projection, sectional view conventions, theory of dimensioning, construction of auxiliary views, and applications to theoretical and practical problems; techniques of freehand and mechanical drafting, tracing.

**Engineering Graphics 2. Engineering Graphics and Descriptive Geometry.**

Three credits.

Analysis and solution of engineering problems involving points, lines, and planes in terms of advanced orthographic projection theory, with emphasis on independent thinking; pictorial representation, screw threads, and springs.

Prerequisite: Engineering Graphics 1.

**ENGLISH**

Mr. Burress, chairman; Mrs. Bernd, Mrs. Burress, Mr. Burroughs, Mr. Chapman, Mrs. Corneli, Miss DeMetro, Mr. Doxtator, Mr. Fortune, Mr. Friedman, Miss Glennon, Mr. Golubowicz, Mrs. Hays, Mr. Inman, Mr. Knutzen, Miss Koskenlinna, Mrs. Kramer, Mr. Lehman, Mr. Mickelson, Miss Nyquist, Mr. Richert, Mr. Rondy, Mrs. Rondy, Miss Smith, Mr. Stevens, Mr. Tymn, Mr. Wacker, Mr. Wellman.

A. A major in English consists of a minimum of 32 credits beyond Freshman Composition. These include 12 credits in English and American Literature (normally English 11-12 and 13-14; however a student who elects to major in English while taking English 15-16 may complete this requirement by taking either English 11-12 or 13-14), and 20 credits distributed as follows:

1. One of these courses: English 110, 112, 114, 116, 118, 120. (Two or three credits.)
2. Two of these courses: English 126, 127, 128, 130, 132, 133, 134, 137, 138, 140, 142, 143, 145-146. (Six credits.)
3. English 155 or 156 and one other from this group: English 150, 160, 165. (Six credits.)
4. English 194 and one other from this group: English 30, 183-184, 188, 190, 192. (Five or six credits.)

B. A minor in English consists of a minimum of 18 credits beyond Freshman Composition. These must include 6 credits in English Literature (English 11-12) or 6 credits in American Literature (English 13-14), 3 credits of Shakespeare (English 155 or 156), and 3 credits of grammar (English 194). The remaining 6 credits should be chosen from Groups 1 and 2 above.

Within the English major several options are available. Majors planning to teach in the public schools should include courses in advanced composition and grammar. Desirable minors to accompany the major are a foreign language, speech and drama, history, and the social sciences.

Recommendation for practice teaching and for teacher placement will be given only to majors and minors whose grade point average in their English classes is 2.25 or above.

Majors interested in graduate work and college teaching should include, insofar as possible, Milton, Chaucer, Old English, and two courses in Shakespeare. Knowledge of a foreign language is usually required for graduate work in English.

Majors interested in applied writing positions in business, conservation,

industry, or science should work out programs in consultation with the chairmen of the respective departments: English and Business, English and Conservation, etc.

**English 1-2. Freshman Composition.** Each three credits.

Mechanics of writing, spelling, punctuation, sentence structure, paragraphing, use of dictionary, making bibliographies, note-taking, outlining, reading and reporting on books of fiction and non-fiction for building up a fund of ideas to be used in writing short themes. Required of all freshmen.

**English 11-12. Survey of English Literature.** Each three credits.

A study of selections taken from English literature with emphasis on the major writers.

11. From Beowulf through the Pre-Romantics.

12. From the Romantics to the present.

Need not be taken in sequence.

Prerequisite: Sophomore standing, except for English majors.

**English 13-14. Survey of American Literature.** Each three credits.

A study of selections taken from American literature with emphasis on the major writers.

13. From Colonial literature through Whitman.

14. From Dickinson to the present.

Need not be taken in sequence.

Prerequisite: Sophomore standing.

**English 15-16. Introduction to Literature.** Each three credits.

A study of selected writings representing various periods and countries, emphasizing insight into the works, and designed to improve the student's ability to understand literature.

15. Poetry and Drama.

16. Prose.

Need not be taken in sequence.

Prerequisite: English 2 or equivalent.

**English 21. Literature of the Primary Grades.** Three credits.

Literature by types, with emphasis upon narrative; the establishing of standards by which to judge new literature.

Prerequisite: Sophomore standing.

**English 23. Children's Literature.** Three credits.

Literature for children, with emphasis upon the reading, selection, and presentation of materials suitable for the various grades in an elementary school.

Prerequisite: Sophomore standing.

**English 30. Intermediate Composition.** Two or three credits.

Practice in descriptive, narrative, and expository projects, with special emphasis on expository writing.

Prerequisite: Sophomore standing.

- English 34. Introduction to Linguistics. Three credits.  
A survey of the fundamental concepts and methods of the scientific study of languages in their structural, historical, and geographic aspects.  
Prerequisite: Sophomore standing.
- English 40. English and American Plays. Two or three credits.  
Representative twentieth century English and American plays.  
Prerequisite: Sophomore standing.
- English 100. Business English. Three credits.  
Methods and procedures in business letter writing; introduction to business reports.
- English 104. Literature for Adolescents. Three credits.  
Selecting and reading of literature suitable for adolescents.
- English 110. The Essay. Two or three credits.  
The essay as a type of literature in England and in America.
- English 112. Contemporary Drama. Two or three credits.  
Origin, development, and characteristics of the drama; a workshop in contemporary plays.
- English 114. Modern Poetry. Two or three credits.  
A study of contemporary poetry.  
Prerequisites: English 11-12, or 13-14.
- English 116. The Modern Short Story. Three credits.  
Representative British, Continental, and American short story writers, with major emphasis on theme; secondary emphasis on form and genre.  
Prerequisites: English 11-12, or 13-14, or consent of instructor.
- English 118. The Novel since 1850. Three credits.  
Representative British, Continental, and American novels, with major emphasis on theme and intention of writer; secondary emphasis on form and genre.
- English 120. Literary Criticism. Two or three credits.  
Principles of literary criticism based upon the chief ancient and modern theories.
- English 126. The English Renaissance. Three credits.  
Development of English literature from 1500 to 1660.
- English 127. English Renaissance Drama, excluding Shakespeare. Three credits.  
Non-Shakespearean drama of the English Renaissance.
- English 128. Eighteenth Century Literature. Three credits.  
Development of English poetry, drama, and prose fiction from 1660 to the late eighteenth century, through a study of selected authors.
- English 130. The Romantic Movement. Three credits.  
Development of romanticism in England, its theory and its creation, including a rapid survey of the pre-romantic movement.
- English 132. The Victorian Period. Three credits.  
Works of the great poets and prose writers of the Victorian epoch in the light of the historical background and of the social and intellectual movements and literary development of the age.

## 100 WISCONSIN STATE UNIVERSITY

**English 133-134. The English Novel.** Each three credits.

First semester: The English novel from Defoe to George Eliot.

Second semester: Since George Eliot.

These courses may be taken independently of one another.

**English 137-138. The American Novel.** Each three credits.

First semester: The American novel from Brockden Brown to Mark Twain.

Second semester: From Stephen Crane to the present.

These courses may be taken independently of one another.

**English 140. The New England Circle.** Three credits.

A critical study of the writings of Emerson, Thoreau, Hawthorne, Whittier, Longfellow, Holmes, and Lowell.

Prerequisite: English 13-14.

**English 142. Midwestern Literature.** Three credits.

History and life of prairie states, virgin forests, rivers, cities, farms, and industries as reflected in their literature.

**English 143. The Negro in American Literature.** Three credits.

A critical study of the Negro in American literature from two vantage points: the image of the Negro in the works of major American writers, and the image of the Negro and the image of America in works created by American Negro writers.

**English 145-146. World Literature.** Each three credits.

First semester: Representative selections of world literature from the earliest times to the seventeenth century.

Second semester: World literature from the seventeenth century to the present.

These courses may be taken independently of one another.

**English 147. The New Literature of Africa.** Three credits.

An exploration of Africa's self-expression and self-revelation in the growing body of poetry, fiction, and non-fiction by the contemporary African writers which will be studied in the context of the African drive for independence and the dynamics of cultural change in Africa.

Not to be counted toward the English major.

**English 150. Chaucer.** Three credits.

Life and works of Chaucer, with major emphasis on the *Canterbury Tales* and the historical, social, linguistic background necessary for their comprehension and enjoyment.

**English 155-156. Shakespeare.** Each three credits.

First semester: The early plays.

Second semester: The tragedies and later plays.

These courses may be taken independently of one another.

**English 160. Milton.** Three credits.

Milton's poetry and selected prose.

**English 165. Masters of Literature.** Two or three credits.

A close, critical study of one or more masters of literature, to be determined by the special interest of the staff member offering the course. A subtitle indicating the author or authors studied will be added each time the course is offered.

**English 183-184. Creative Writing.** Each two or three credits.

Creative writing in the essay, short story, and drama; a study of types of creative writing.

These courses may be taken independently of one another.

Prerequisite: Consent of the instructor.

**English 188. History of the English Language.** Three credits.

Standards of usage and pronunciation; development of the English vocabulary; development of sounds, inflection, and syntax of the language.

**English 190. Old English.** Three credits.

Introduction to Old English language and literature.

**English 192. Expository Writing.** Three credits.

An advanced course in the principles and practices of expository writing.

**English 194. The Grammar of English.** Three credits.

Form and function in modern English.

**English 198. Workshop in English.** Two or three credits.

Study of contemporary scholarship in the English language.

**English 199. Special Work.**

Upper class students majoring or minoring in English may, by agreement with their dean and the chairman of the English Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

Prerequisite: A grade point average of 2.75 in English courses.

## FRENCH

Miss M. Davis, Miss Kaminska, Mr. Solinis.

A. A major in French consists of 26 credits beyond the first year level.

B. A minor in French consists of 16 credits beyond the first year level, including French 113 or 114.

The equivalent of one year's training in French must be completed before credit in French will count toward graduation.

Students who are taking a foreign language are required to purchase a recording tape at an approximate cost of \$3.25.

**French 1-2. First Year French.** Each four credits.

For students with no previous training in the language; grammar, oral practice, reading.

Students with one year of high school French, with grades of C or better, will enter French 2.

**French 11-12. Second Year French.** Each four credits.

Extensive and intensive reading; oral practice and review of grammar.

Prerequisite: French 2, or two years of high school French, with grades of C or better. Students who present three years of high school French will enter French 12.

**French 111-112. French Literature and Civilization.** Each three credits.

Survey course; lectures, readings, reports.

Prerequisite: French 12 or equivalent.

These courses need not be taken in sequence.

## 102 WISCONSIN STATE UNIVERSITY

**French 113-114. Composition and Conversation.** Each two or three credits.

Facility in French expression, oral and written.

Prerequisite: French 12 or equivalent.

These courses need not be taken in sequence.

**French 115-116. French Literature — Advanced Survey.** Each three credits.

Prerequisites: French 113-114 or equivalent.

These courses need not be taken in sequence.

**French 117. Advanced Composition and Conversation.** Two or three credits.

Prerequisites: French 115-116 or equivalent.

**French 119. French Literature of the Seventeenth Century.** Three credits.

Careful reading and analysis of masterpieces of the classic period. The student will select one writer for intensive study.

Prerequisites: French 115-116, or consent of the instructor.

**French 120. French Literature of the Eighteenth Century.** Three credits.

Careful reading and analysis of masterpieces of the "Age of Reason." The student will select one writer for intensive study.

Prerequisites: French 115-116, or consent of the instructor.

**French 199. Special Work.**

Upper class students majoring or minoring in French may, by agreement with their dean and the chairman of the French Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

### GENERAL SCIENCE

Mr. Kulas, adviser.

Six credits of college mathematics, or the equivalent, are required as a supplement to the General Science major.

A. A major in General Science in the School of Letters and Science consists of the following:

1. At least two of the following sciences:

Biology 3-4.

Chemistry 5-6, or 7-8.

Geography 2-3.

Physics 3-4, or 31-32.

2. The course(s) numbered 1 in the other science(s).

3. Ten credits elected from courses numbered over 100 in biology, chemistry, and physics, and Geography 151, 152.

B. A major in General Science in the School of Education consists of the following.

1. Biology 3-4.

Chemistry 5-6, or 7-8.

Geography 2-3.

Physics 3-4, or 31-32.

2. Additional credits in biology, chemistry, or physics, selected to satisfy the requirements for a minor of at least 22 credits in that subject matter area.



3. Additional credits to total 54 in the sciences.

C. A minor in General Science in the Elementary Education Curriculum consists of 25 credits selected from biology, chemistry, physics, Geography 1, 2, 3, 151, 152. A minimum of one 5-credit course must be selected from each of three of the four fields. In using the year sequence courses, both semesters must be completed.

## GEOGRAPHY

Mr. R. Anderson, chairman; Mr. Bastian, Mr. Chang, Mr. Kapter, Mr. Loomer, Mr. McKinney, Mr. Perret, Mr. Sengenberger, Mr. Specht.

A. A major in Geography consists of a minimum of 34 credits.

B. A minor in Geography consists of a minimum of 22 credits.

Basic courses in physical geography (Geography 1, or 2 and 3) and economic geography (Geography 10) will normally be followed by a selection of regional and topical courses. This selection should be made with some unifying objective.

The physical geography courses consist of Geography 1, 2, 3, 151, and 152. All others, except Geography 176, are cultural.

### Geography 1. Earth Science.

Five credits.

Factors of our natural environment; earth relationship, weather, landforms, and soil; three hours lecture, four hours laboratory per week; field trips.

For students not intending to major or minor in Geography.

Credit in this course can be used to meet the laboratory science requirements for a degree.

### Geography 2. Weather and Climate.

Five credits.

An introduction to the elements of weather and climate to include earth and sun relationships, winds, humidity, and storms; an analysis of the classifications of the climates of the world; three hours lecture, four hours laboratory per week.

Credit in this course can be used to meet the laboratory science requirements for a degree.

### Geography 3. Physiography.

Five credits.

A descriptive interpretation of landforms, soil, and mineral resources; three hours lecture, four hours laboratory per week; field trips.

Credit in this course can be used to meet the laboratory science requirements for a degree.

### Geography 10. Economic Geography.

Three credits.

Production and distribution of the world's commodities of commerce — its foodstuffs, raw materials, manufactured goods, and trade.

### Geography 11. Wisconsin.

Two credits.

A geographic analysis of the natural and cultural features of the state.

Prerequisite: Sophomore standing.

### Geography 12. The Soviet Union.

Two credits.

A geographic interpretation of the Soviet Union, with special attention to changes in the economic structure.

Prerequisite: Sophomore standing.

## 104 WISCONSIN STATE UNIVERSITY

**Geography 13. Regional World Geography.** Two credits.

A broad regional survey of the geographic areas of the earth (North America, South America, Australia, and New Zealand), with emphasis on the contrasts and similarities of the relations of man and environment among the different regions.

Not open to Geography majors and minors.

Prerequisite: Sophomore standing.

**Geography 14. Regional World Geography.** Two credits.

Same as Geography 13, but covering Europe, Asia, Insular Asia, and Africa.

Not open to Geography majors and minors.

Prerequisite: Sophomore standing.

**Geography 26. North America.** Three credits.

Regional geography of the United States and Canada.

Prerequisite: Sophomore standing.

**Geography 51. Cultural Geography.** Three credits.

Principles of cultural geography; interpretation of population, settlement, agriculture, manufacturing, transportation, and trade; their areal association and differentiation.

Prerequisite: Sophomore standing.

**Geography 100. Africa.** Two credits.

Regional interpretation of the distribution and activities of the peoples, economic and colonial interests of the European countries, and contrasting types of culture and occupation as related to landforms, climate, and natural resources.

**Geography 101. Middle America.** Two credits.

Regional geography of Mexico, Central America, and the islands of the Caribbean.

**Geography 102. Australia and the Pacific Islands.** Three credits.

Regional consideration of the advantages and limitations of the physical environment, population distribution, and economic development of Australia, and the islands of Melanesia, Micronesia, and Polynesia.

**Geography 126. Historical Geography of the United States.** Three credits.

Influence of the geographic factors in the historical development of the United States.

**Geography 127. Asia.** Three credits.

Study of the physical features of the continent in relation to the distribution of population, agriculture, industry, and trade; special attention given to China, Japan, Korea, India, and Southwestern Asia.

**Geography 128. Europe.** Three credits.

The geographic regions of Europe.

**Geography 129. South America.** Three credits.

A topical and regional analysis of the geography of South America.

**Geography 151. Climatology.** Three credits.

An analysis of the weather elements; a description and interpretation of the climatic types of the world.

Prerequisite: Geography 1 or 2, or consent of the instructor.

**Geography 152. Landforms.**

Three credits.

Form and origin of landforms; field trips in the local area to supplement classroom activities.

Prerequisite: Geography 1 or 3, or consent of the instructor.

**Geography 172. Industrial Geography.**

Three credits.

The growth of industry in the nations of the world, with primary emphasis on northeastern United States, the industrial nations of northwest Europe and eastern Asia.

**Geography 173. Urban Geography.**

Two or three credits.

Agglomerated settlements and their causes; individual cities, their population, land use and livelihood structures; the relations between cities and their adjacent regions.

Same as Sociology 173.

**Geography 174. Agricultural Geography.**

Three credits.

Characteristics, development, and location factors of world agricultural production, including both a topical and a regional analysis.

**Geography 175. Mineral Resources.**

Three credits.

Distribution and production of world mineral resources, including conservation principles.

Same as Conservation 175.

**Geography 176. Cartography and Photogrammetry.**

Four credits.

An introduction to map making, map reading, and airphoto interpretation; two hours lecture, four hours laboratory per week.

**Geography 199. Special Work.**

Upper class students in Geography may, by agreement with their dean and the chairman of the Geography Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**GERMAN**

Mr. Kroner, chairman, Foreign Language; Mr. Alber.

A. A major in German consists of 26 credits beyond the first year level.

B. A minor in German consists of 16 credits beyond the first year level, including German 113 or 114.

The equivalent of one year's training in German must be completed before credit in German will count toward graduation.

Students who are taking a foreign language are required to purchase a recording tape at an approximate cost of \$3.25.

**German 1-2. First Year German.**

Each four credits.

For students with no previous training in the language; grammar, oral practice, reading.

Students with one year of high school German, with grades of C or better, will enter German 1b.

## 106 WISCONSIN STATE UNIVERSITY

### German 11-12. Second Year German.

Each four credits.

Extensive and intensive reading; oral practice and review of grammar.

Prerequisite: German 1b, or two years of high school German, with grades of C or better. Students who present three years of high school German will enter German 12.

### German 111-112. German Literature and Civilization.

Each three credits.

Survey course: lectures, readings, reports.

Prerequisite: German 12 or equivalent.

These courses need not be taken in sequence.

### German 113-114. Composition and Conversation.

Each two or three credits.

Facility in German expression, oral and written.

Prerequisite: German 12 or equivalent.

These courses need not be taken in sequence.

### German 115-116. German Literature — Advanced Survey.

Each three credits.

Prerequisites: German 113-114 or equivalent.

These courses need not be taken in sequence.

### German 117. Advanced Composition and Conversation.

Two or three credits.

Prerequisites: German 115-116 or equivalent.

### German 119. German Literature of the Eighteenth Century.

Three credits.

Selective reading from Lessing, Herder, Schiller, and the works of Goethe exclusive of "Faust."

Prerequisites: German 115-116, or consent of the instructor.

### German 120. Goethe's "Faust," I and II.

Three credits.

Prerequisites: German 115-116, or consent of the instructor.

### German 199. Special Work.

Upper class students majoring or minoring in German may, by agreement with their dean and the chairman of the German Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

## HISTORY

Mr. Crow, chairman; Mr. Face, Mr. Gibson, Mr. Hays, Mr. Jenkins, Mr. Knowlton, Mr. Krempel, Mr. Morrison, Mr. R. Nelson, Mr. Schmeller, Mr. Sigmund, Mr. Soroka, Mr. Wrona, Mr. Zieger.

A. A major in History consists of at least 34 credits:

1. History 1-2, 3-4, and 11-12.

2. A concentration of 12 credits in one of the following fields:

a. United States History: History 119, 151, 152, 153, 154, 155, 156, 157, 158, 160, 161, 162, 163, 164, 165, 166, and 199.

b. World History: History 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 119, 120, 121, 122, 124, 131, 135, 136, 141, 142, 143, 144, and 199.

3. Sufficient additional credits in History to total 34 or more.

4. It is recommended that students majoring in History take Geography 2-3, Economics 11, and Political Science 1.

B. A minor in History consists of the following:

1. Any introductory year course open to freshmen, and History 11-12.
2. A concentration of eight credits in either American History or World History as listed above.
3. Sufficient additional credits in History to total 24 or more.

History 1-2. Medieval History. Each three credits.

1. History of Europe from the fourth century to the twelfth century;
  2. History of Europe from the twelfth century to the sixteenth century.
- History 1 is prerequisite to History 2.

History 3-4. Modern European History. Each three credits.

3. History of Europe from the sixteenth century to the nineteenth century.
  4. History of Europe in the nineteenth and twentieth centuries.
- Need not be taken in sequence.

History 11-12. United States History. Each three credits.

11. History of the United States to 1865.
12. History of the United States since 1865.

Need not be taken in sequence.

Prerequisite: Sophomore standing.

History 101-102. History of Western Culture. Each three credits.

The nature of civilization, the development of the practical and fine arts, of government and of human communication:

101. from Prehistory through the Roman period.
102. from the Roman period to contemporary times.

Need not be taken in sequence.

History 103-104. Economic History of Europe. Each two credits.

Development of agricultural, commercial, and industrial institutions of Europe:

103. from the fourth century to 1750.

104. from 1750 to the present.

Need not be taken in sequence.

History 105. Greek History. Three credits.

The history of Ancient Greece.

History 106. Roman History. Three credits.

The history of Ancient Rome through the Republic and Empire.

History 107. Problems in the Early Middle Ages. Two or three credits.

Selected problems of the Early Middle Ages, such as: manorial and feudal origins, the Pirenne thesis, church and state under Gregory VII, the Cluny movement; Charlemagne and the Papacy; includes research and preparation of a paper on a selected topic.

Prerequisite: History 1, or consent of instructor.

History 108. Problems in the High Middle Ages. Two or three credits.

Selected problems of the High Middle Ages, such as: the rise of Gothic art, church and state under Frederick II, the impact of the crusading movement, the rise of capitalism, the conciliar movement, Medieval English constitutional development; includes research and preparation of a paper on a selected topic.

Prerequisite: History 2, or consent of instructor.

## 108 WISCONSIN STATE UNIVERSITY

**History 109. The Renaissance.** Two or three credits.

The politics, the arts, the literature, and recovery of the classics during the fourteenth and fifteenth centuries.

**History 110. The Age of the Reformation.** Two or three credits.

The Protestant and Catholic reformations of the sixteenth and seventeenth centuries.

**History 111. The French Revolution and Napoleon.** Two credits.

The revolutionary period in Europe and the beginnings of our modern democratic ideals.

**History 112. History of France since 1815.** Two credits.

The political, economic, and cultural history of France from the Congress of Vienna to the present.

**History 113-114. History of England.** Each two credits.

113: Tudor and Stuart England; the beginnings of modern England, 1485-1714.

114: England since 1714.

Need not be taken in sequence.

**History 115. England in the Middle Ages.** Two credits.

History of England from Anglo-Saxon times to 1485.

**History 116. Expansion of Europe, 1415-1660.** Two or three credits.

European powers and their colonies during the age of the great discoveries.

**History 117. History of Germany, 1860 to date.** Three credits.

An analysis of Imperial and Republican Germany; the National Socialist State and the period following World War II.

**History 119. History of Recent World Politics.** Three credits.

Selected topics in world history, 1919 to the present.

Prerequisite: History 4 and 12.

**History 120. European Diplomatic History Since 1856.** Two or three credits.

A survey of the major problems in European Diplomacy from the Crimean War to the present day.

**History 121-122. History of Latin America.** Each two or three credits.

121: Colonial Latin America from the discoveries to independence.

122: Recent Latin America from independence to the present.

Need not be taken in sequence.

**History 124. Independent Mexico.** Two or three credits.

The development of Mexico from the Wars of Independence to the present, with emphasis on the Reform Era and the Revolution of 1910.

**History 131. Africa South of the Sahara.** Two credits.

History of European contact with Africans in the 19th and 20th centuries; policies of assimilation and separate development; the independence of African states; federation and pan-Africanism.

**History 135-136. The Far East.** Each two or three credits.

135. A survey of Far Eastern civilizations, their institutional and cultural development to the nineteenth century.

136. The Far East in the nineteenth and twentieth centuries.

Need not be taken in sequence.

**History 141. Russian History and Civilization.** Three credits.

From the 10th to the 18th century; an analysis of Kievan Russia, early Russian principalities, and the rise of Moscow, with emphasis on Byzantine and Mongolian influences.

**History 142. Russian History and Civilization.** Three credits.

The 19th and 20th centuries; Tsarist Russia, its background institutions and problems; a survey of the Communist Revolution, the U.S.S.R. between the two World Wars, in World War II, and after.

**History 143-144. Eastern and Central Europe.** Each three credits.

143. History of eastern and central Europe from origins to the Congress of Vienna.

144. History of eastern and central Europe in the nineteenth and twentieth centuries.

Need not be taken in sequence.

**History 151. Representative Americans.** Two credits.

Prerequisites: History 11-12.

**History 152. Economic History of the United States.** Three credits.

Prerequisites: History 11-12.

Same as Economics 152.

**History 153-154. Constitutional History of the United States.**

Each two or three credits.

153: Origin and elaboration of colonial political theories and practices; evolution of guarantees for personal liberty; constitutional development through the Civil War.

Prerequisite: History 11, or consent of instructor.

154: Constitutional development since the Civil War.

Prerequisite: History 12, 153; or consent of instructor.

Same as Political Science 153-154.

**History 155-156. American Social and Intellectual History.**

Each two or three credits.

The development of social and intellectual movements in the United States:

155: to 1865.

156: Since the Civil War.

Need not be taken in sequence.

**History 157. Colonial Era.** Two credits.

History of the American Colonies to the American Revolution.

Prerequisite: History 11.

**History 158. Era of the American Revolution.** Two credits.

History of the transition from colony to republic, 1763-1787.

Prerequisite: History 11.

**History 160. The Era of Controversy.** Two or three credits.

The history of the United States from 1840 to 1860.

Prerequisite: History 11.

**History 161. Civil War and Reconstruction.** Two or three credits.

The history of the United States from 1860 to 1877.

Prerequisites: History 11-12.

## 110 WISCONSIN STATE UNIVERSITY

**History 162. United States History, 1877-1920.** Three credits.

The age of enterprise, world power, and reform.

Prerequisite: History 12.

**History 163. United States History, 1920-1940.** Two credits.

Social, economic, intellectual, constitutional, political, and diplomatic history of the Post-World War, Great Depression, and New Deal periods in United States history.

Prerequisite: History 12, or consent of instructor.

**History 164. United States History since 1940.** Two credits.

Social, economic, intellectual, constitutional, political, military, and diplomatic history of the United States' participation in World War II, and of peace and war since.

Prerequisite: History 12, or consent of instructor.

**History 165. History of American Diplomacy since 1881.** Three credits.

Relations of the United States with the rest of the world from 1881 to the present.

**History 166. Wisconsin.** Two or three credits.

History of Wisconsin from 1634 to the present.

**History 199. Special Work.**

Upper class students majoring or minoring in History may, by agreement with their dean and the chairman of the History Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

### HOME ECONOMICS

Mrs. Jones, chairman; Mrs. Baird, Mrs. Clifford, Miss D. Davis, Miss Doescher, Miss Hill, Miss McDonald, Miss Sands.

A. A major in Home Economics in Secondary Education includes Home Economics 1, 2, 4, 13, 18, 33, 123, 124, 145, 153, 163, 165, 175, and 185. The following courses are also required: Biology 24, Chemistry 10, Economics 11, and Education 191.

A major in Home Economics in Applied Arts and Science includes the same required courses as in Secondary Education, except that Education 191 is optional.

B. A minor in Home Economics requires a minimum of 22 credits distributed throughout all areas of Home Economics and subject to the approval of the chairman of the department. The following courses should be taken: Home Economics 2, 4, 13 or 18, 163, 165, 175. Electives include Home Economics 33, 123, 124, 145, 151, 153. It is recommended that Home Economics 151 or 153 be elected. Substitutions are subject to the approval of the chairman of the department.

**Home Economics 1. Color and Design.** Three credits.

Fundamentals of color and design in relation to personal and home problems. One hour lecture and four hours laboratory per week.



**Home Economics 2. Clothing Selection and Construction.** Three credits.

The selection and care of clothing, and the construction of garments, related to personal appearance. One hour lecture and four hours laboratory per week.

**Home Economics 4. Selection and Preparation of Food.** Five credits.

The selection, purchasing and care of foods; fundamental principles of food preparation; basic elements of nutrition. Three hours lecture and four hours laboratory per week.

**Home Economics 13. Interior Design.** Three credits.

Elements and principles of design, and utilization of materials and equipment as they apply to the functional, structural, and decorative aspects of interior design; history of furniture and furnishings; problems include the analysis and drawing of house plans, selection and cost of materials and furnishings, and the interior decoration of a home. One lecture and two 2-hour laboratory periods per week.

Prerequisite: Home Economics 1, or Art 1.

**Home Economics 18. Housing.** Two credits.

Housing from a personal and public viewpoint; building, buying, and renting; problems of financing, and the government's role in housing; consideration of site, design, costs, and materials; planning the home to meet family needs.

Prerequisite: Sophomore standing, or consent of the chairman of the department.

**Home Economics 33. Textiles.** Three credits.

Fibers, yarns, weaves, and finishes in manufacture and use of textiles; the selection and care of clothing and household fabrics.

Prerequisite: Sophomore standing, or consent of the chairman of the department.

**Home Economics 123. Applied Dress Design.** Three credits.

Pattern selection, fitting, and alteration with experience in simple designing and drafting of patterns; construction of a dress made of a man-made fiber; study of family clothing problems.

Prerequisite: Home Economics 2.

**Home Economics 124. Advanced Clothing.** Three credits.

Tailoring methods and the construction of a suit and blouse or a coat and dress; selection of appropriate accessories; clothing demonstration techniques.

Prerequisite: Home Economics 123.

**Home Economics 145. Meal Planning and Serving.** Three credits.

Advanced food preparation with emphasis on meal planning, management and table service; each student has experience in demonstration and guest meal techniques. One hour lecture, and two 3-hour laboratory periods per week.

Prerequisites: Home Economics 4, Chemistry 1.

## 112 WISCONSIN STATE UNIVERSITY

### **Home Economics 147. Organization and Management of Food Service.**

Three credits.

Principles of organization, personnel management, and financial control of food service; the layout, selection, use and care of food service equipment.

Prerequisite: Home Economics 4, or consent of instructor.

### **Home Economics 151. Elementary Nutrition.**

Three credits.

For students majoring in Primary or Elementary Education, including a study of the food needs of the individual and the foods which supply those needs, with special emphasis on the food needs of children.

### **Home Economics 153. Nutrition.**

Three credits.

Dietary standards for individuals of different ages, sexes, and occupations; the contributions which different foods make to body needs; the planning of balanced meals for the family on cost levels; and a brief introduction to planning diets for disorders in nutrition.

Prerequisites: Biology 24, Chemistry 10, Home Economics 4.

### **Home Economics 163. Family Health and Child Development. Three Credits.**

Home nursing techniques and other factors necessary to promote and maintain the health of the family; child growth and development including the physical, emotional, and social development of the young child.

### **Home Economics 165. Social Problems of the Home and Family.**

Two credits.

A brief historical survey of the evolution of the family; a study of the contribution and problems of the family in modern society with emphasis on techniques for understanding personal and social adjustment as family members.

### **Home Economics 175. Family Finance.**

Two credits.

Family incomes and budgets, standards of living, and consumer buying problems.

### **Home Economics 185. Home Management.**

Two credits.

Emphasis on personal development and group relationships through living as a family; experiences in management of human and material resources.

Residence in Home Management House open to seniors and second semester juniors; one class period per week.

Prerequisite: Home Economics 145.

### **Home Economics 190. Workshop in Home Economics. One to four credits.**

Workshop techniques applied to various curricular areas in Home Economics. A subtitle will be added to describe the area considered each time the course is offered.

### **Home Economics 199. Special Work.**

Upper class students majoring in Home Economics may, by agreement with their dean and the chairman of the Home Economics Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

# STEVENS POINT

113

## CURRICULUM for Home Economics Major in Secondary Education:

### FRESHMAN

First Semester		Second Semester	
	Credits		Credits
English 1 .....	3	English 2 .....	3
*Home Economics 4 .....	5	Chemistry 1 .....	5
Biology 1 .....	5	Speech 1 .....	2
Home Economics 1 .....	3	*Home Economics 2 .....	3
Physical Education 3 .....	1	Physical Education 4 .....	1
—	—	Electives .....	3
	17	—	—
			17

### SOPHOMORE

Chemistry 10 .....	4	#Mathematics .....	4
Psychology 11 .....	3	*Home Economics 18 .....	2
History 11 .....	3	Home Economics 13 .....	3
*Home Economics 33 .....	3	History 12 .....	3
English 11 or 13 .....	3	English 12 or 14 .....	3
Physical Education 11 .....	1	Physical Education 12 .....	1
—	—	—	—
	17		16

### JUNIOR

Home Economics 123 .....	3	Home Economics 124 .....	3
*Home Economics 145 .....	3	Home Economics 163 .....	3
Economics 11 .....	3	Biology 24 .....	4
Education 105Q .....	2	Education 198 .....	2½
Education 105 (Minor) .....	2	Home Economics 185 .....	2
Art 192 or 193, or Music 1, or Philosophy 101 .....	3	Electives .....	2
—	—	—	—
	16		16½

### SENIOR

Home Economics 175 .....	2	†Education 198 or electives ....	7-8
Home Economics 153 .....	3	Home Economics 165 .....	2
Education 111 .....	3	Education 112 .....	3
†Education 198 or electives ....	7-8	Education 191 .....	3
—	—	—	—
	15-16		15-16

\*Either semester.

†Student teaching will be on the block plan both semesters of the senior year. One half of the seniors will complete student teaching during the first semester, the other half during the second semester.

#Mathematics is not required if the student has had 2½ units of mathematics in high school, excluding general math, or two units of high school work in one foreign language.

120 credits are required in addition to Physical Education. At least 40

## 114 WISCONSIN STATE UNIVERSITY

must be selected from courses numbered over 100. Ten credits of Education 198 are required.

The student must complete one minor which can be in any field. Art, Biology, Chemistry, or English is the field usually selected.

If a Chemistry minor is elected, Chemistry 5-6 or 7-8 should be substituted for Chemistry 1.

If a Biology minor is elected, Biology 3-4 should be substituted for Biology 1.

Conservation 111 is required if a minor is chosen in Biology, Chemistry, Economics, General Science, Geography, History, Physics, Political Science, Social Science, or Sociology.

### JOURNALISM

Mr. Houlihan.

**Journalism 15. Introduction to Reporting.** Three credits.

The fundamentals of recognizing, gathering, organizing, and presenting newsworthy information.

Prerequisites: English 1-2.

**Journalism 16. News Editing.** Three credits.

Study and practice in editorial responsibilities, such as editorial writing, copy and proofreading, photo-journalism, advertising and circulation, and page arrangement.

Prerequisites: English 1-2.

**Journalism 25. Publicity Media and Methods.** Three credits.

Publicity methods applied to the problems of business, community service agencies, and educational institutions; journalistic techniques of major communications media applied to such public relations devices as publicity releases, feature stories, letters, informational pamphlets, and other materials.

Prerequisite: Sophomore standing.

### LATIN AMERICAN STUDIES

Mr. Knowlton, adviser.

A. A minor in Latin American Studies consists of 24 credits:

1. At least 16 credits selected from among the following Latin American content courses:

Geography 101 (Middle America) 2 credits; Geography 129 (South America) 3 credits; History 121 (Colonial Latin America) 2 or 3 credits; History 122 (Recent Latin America) 2 or 3 credits; History 124 (Independent Mexico) 2 or 3 credits; Sociology 111K (Peoples of Central and South America) 2 or 3 credits; Latin American Studies 199 (Special work) 0 to 3 credits.

2. The remaining credits shall be in related courses chosen in consultation with the Latin American Studies adviser.

3. Eight credits of Spanish beyond the first year level is strongly recommended.

B. A (proposed) major in Latin American Studies consists of 34 credits,

24 of which shall be selected from "content" courses from three fields besides Spanish, and the remainder in "related" courses.

Four semesters of college Spanish beyond the first year level are required.

**Latin American Studies 199. Special Work.**

Upper class students majoring or minoring in Latin American Studies may, by agreement with their dean and the Latin American Studies adviser, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**LIBRARY SCIENCE**

Mr. Kampenga, chairman; Mr. Brey, Mr. Ferguson, Mr. Gillesby, Mrs. Ginzl, Miss Mason, Miss Padden.

A minor in Library Science consists of 15 credits: Library Science 102, 103, 104, and 105; English 21 or 23, and 104. The completion of these 15 credits fulfills the State requirements for certification of teacher-librarians.

**Library Science 102. Introduction to Reference. Two or three credits.**

Materials of reference that are the basis of a library reference collection and service, and practice in their use as a source of information and an aid to study and teaching.

**Library Science 103. Introduction to Book Selection. Two or three credits.**

Reading interests and study needs of people, with particular emphasis on elementary and secondary school problems; study and practice in the use of book reviewing mediums, the book selection aids, basic bibliographies, and book trade guides essential to a library's acquisition of materials.

**Library Science 104. Introduction to the Cataloging and Classification of Books. Two or three credits.**

Meaning, purpose, and value of cataloging and classification of library materials with particular emphasis on school library applications; laboratory practice in the technical and mechanical processes which are essential in making books more serviceable to readers.

Prerequisites: Library Science 102 and 103, or consent of the instructor.

**Library Science 105. The School Library. Two or three credits.**

The function of the library in the school, stressing the responsibilities of the library in carrying out the aims of the school program; problems of support, housing, standards of service, student service, practical care and repair of books.

**Library Science 110. Introductory Bibliography. Two credits.**

Training in practical bibliography, and in making better use of the aid which libraries can give through printed bibliographies and a wider acquaintance with the materials of reference. The training is designed to meet the methods expected to be within the prerequisite experience of graduate students.

**MATHEMATICS**

Mr. Boylan, chairman; Mr. Cable, Mr. Conlon, Mrs. Epple, Mr. Liu, Mr. Moehlenpah, Mr. Rice, Mrs. Sengenberger, Mr. Thoyre, Mr. Townsend, Miss Treuenfels, Mr. Weiler.

A. A major in Mathematics consists of Mathematics 7, 8, 31, 32, and at least 18 credits in courses numbered 100 or above. (For students entering with advanced standing in mathematics, Mathematics 9 will be substituted for Mathematics 7 and 8.)

B. A minor in Mathematics consists of Mathematics 7, 8, 31 and at least 10 credits from among these courses: Mathematics 32 and courses numbered 100 or above. (For students entering with advanced standing in mathematics, Mathematics 9 will be substituted for Mathematics 7 and 8.)

Any exceptions to the above requirements must be approved by the chairman of the department.

**Definition:** An acceptable high school unit in mathematics is one year's work with a grade of C or better, excluding "general mathematics."

**General requirement:** One semester of college mathematics is required for the Bachelor of Science degree in the School of Letters and Science. Exemption will be granted if the student presents two and one-half acceptable units of high school mathematics.

In the other schools the student has a choice between one semester of college mathematics or one year of a foreign language. Exemption will be granted if the student presents two and one-half acceptable units of high school mathematics or two acceptable units of a foreign language.

**Mathematics 1. Basic Mathematics.** Four credits.

A one-semester course designed to give the student with little or no background a knowledge of mathematics as a language. Open only to those who present less than two acceptable units of high school mathematics.

Not to be counted toward a Mathematics major or minor.

**Mathematics 2. Essentials of Mathematics.** Four credits.

A one-semester course presenting mathematics as a language, designed for students who have some background in mathematics as evidenced by their high school record. Open to all who are not exempt from the general requirement in mathematics and who present at least two units of acceptable high school mathematics; others may take the course with the consent of the chairman of the department.

Not to be counted toward a Mathematics major or minor.

**Mathematics 5. (Formerly 5a) Algebra and Trigonometry.** Four credits.

A beginning college course in algebra and trigonometry.

**Prerequisite:** One acceptable unit each of high school algebra and geometry, or consent of the chairman of the department in case the student has lesser background.

Not open to students who qualify for Mathematics 7.

**Mathematics 6. (Formerly 5b) Trigonometry and Analytic Geometry.**

Four credits.

A continuation of Mathematics 5 with emphasis on trigonometry and plane analytic geometry.

Prerequisite: Mathematics 5, or consent of the chairman of the department.

Not open to those who qualify for Mathematics 8.

**Mathematics 7-8. (Formerly 7a-7b) Elementary**

**Mathematical Analysis I, II.**

Each four credits.

A basic study of number, algebraic functions, transcendental functions, and their relation to analytic geometry.

Prerequisite: Two and a half acceptable units of high school mathematics, or two acceptable units of high school algebra, or consent of the chairman of the department in case the student has lesser background.

**Mathematics 9. (Formerly 8) Analytics.**

Four credits.

Analytic geometry and analytic trigonometry for students who present four units of high school mathematics with a grade of B or better. Its completion qualifies the student for Mathematics 31.

**Mathematics 10. Mathematics of Finance.**

Four credits.

Simple and compound interest, equivalence, annuities, amortization, sinking funds, bonds, depreciation, life insurance.

Not to be counted toward a Mathematics major or minor, or toward the general requirements for a degree.

Prerequisite: Mathematics 5 or 7, or eligibility for Mathematics 9.

**Mathematics 10S. Mathematics of Finance.**

Three credits.

Similar to Mathematics 10, treating such topics as interest, annuities, amortization, bonds, depreciation, etc. It is shortened and designed for teachers and others who are interested in the application of mathematics to the field of elementary finance. Summer Sessions only.

Not to be counted toward a Mathematics major or minor, or toward the general requirements for a degree.

Prerequisite: One semester of college algebra, or consent of instructor.

**Mathematics 20. Elementary Surveying.**

Four credits.

Theory and practice in measuring distances; introduction to the use of level, transit, plane table, and compass; principles of land survey and map making; two hours lecture, six hours laboratory per week.

Not to be counted toward a Mathematics major or minor, or toward the general requirements for a degree.

Prerequisite: Mathematics 2, 5, or 7.

**Mathematics 25. Elementary Mathematical Statistics.**

Three credits.

Mathematical theory of the analysis of data; frequency distributions, averages, dispersion, reliability, probability, normal curve, moments, regression lines, index numbers, simple and multiple correlation, and curve fitting.

Prerequisite: Mathematics 5 or 7.

## 118 WISCONSIN STATE UNIVERSITY

### **Mathematics 31. Calculus I.**

Four credits.

Differentiation and integration of algebraic functions with applications to rate, maxima, minima, motion, areas, volumes; differentiation of trigonometric functions and applications.

Prerequisite: Mathematics 6 or 8 or 9.

### **Mathematics 32. Calculus II.**

Four credits.

A continuation of Mathematics 31, with emphasis on the differentiation and integration of transcendental functions; methods of integration and application of the calculus to mechanics, volumes, area, arc length, polar representation; approximate integration; introduction to partial differentiation and multiple integration.

Prerequisite: Mathematics 31.

### **Mathematics 106. Solid Mensuration and Spherical Trigonometry.**

Three credits.

Fundamentals of solid geometry in a new comprehensive manner; practical essentials of spherical trigonometry.

Prerequisite: Mathematics 5 or 7.

### **Mathematics 109. College Geometry.**

Three credits.

Advanced topics in Euclidean geometry with emphasis on the postulational method, properties of the triangle, circle, inversion and recent geometry of the triangle; of special interest to teachers of geometry.

Prerequisite: Mathematics 6 or 8 or 9.

### **Mathematics 110. Non-Euclidean Geometry.**

Three credits.

The historical and logical development of hyperbolic and elliptic geometry.

Prerequisite: Mathematics 31.

### **Mathematics 111. Theory of Equations.**

Three credits.

Real and complex numbers; theorems concerning roots, coefficients, transformations of algebraic equations; methods of solution and of approximating the roots of equations; systems of linear equations.

Prerequisite: Mathematics 31.

### **Mathematics 112. Advanced Analytic Geometry.**

Three credits.

Advanced topics in plane analytic geometry and a treatment of solid analytic geometry.

Prerequisite: Mathematics 31 or 32, or concurrent registration therein.

### **Mathematics 115. Concepts of Modern Elementary Mathematics.**

Four credits.

Basic structures and concepts of arithmetic, algebra, and geometry from the modern viewpoint.

This course fulfills the general requirements for mathematics.

Not to be counted toward a mathematics major or minor.

### **Mathematics 115E. Concepts of Modern Elementary Mathematics.**

Three credits.

Basic structures and concepts of arithmetic, algebra, and geometry from the modern viewpoint.

Offered in extension classes only.



**Mathematics 118. Foundations of Analysis.** Three credits.

The basic concepts of modern analysis: sets and mappings, connected sets, neighborhoods, open and closed sets, cluster points, compactness, continuity and uniform continuity, metric spaces.

Prerequisite: Mathematics 32.

**Mathematics 119. Advanced Calculus.** Three credits.

Advanced treatment of infinite series, partial derivatives, exact differentials, lines, surface, and volume integrals, and generalized integrals.

Prerequisite: Mathematics 32.

**Mathematics 120. Differential Equations.** Three credits.

An introductory course treating ordinary differential equations of the first and second orders; linear equations with constant co-efficients; solution in series; numerical approximations; and systems of ordinary equations, with certain applications.

Prerequisite: Mathematics 32.

**Mathematics 122. Abstract Algebra.** Three credits.

Introduction to modern algebra; elements, sets, mapping, and operations; integral domains, fields, and polynomial domains; a modern development of the number systems through the complex number field.

Prerequisite: Mathematics 32.

**Mathematics 125. Probability and Statistics.** Three credits.

An introduction to probability from a set-theoretic viewpoint; permutations and combinations; probabilities in discrete sample spaces; random variables and the probability functions; the properties of distributions.

Prerequisite: Mathematics 31.

**Mathematics 130. Matrix Algebra.** Three credits.

Operations with matrices, properties and evaluation of determinants, applications of matrices and determinants, linear dependence, vector spaces, and linear and orthogonal transformations.

Prerequisite: Mathematics 31.

## MEDICAL TECHNOLOGY

Mr. Weaver, adviser.

A Bachelor of Science degree with a major in Medical Technology may be received by students who complete the following course of study.

**A. Freshman year:** Chemistry 5-6 or 7-8\*; Mathematics 5-6 or 7-8, or 9; English 1-2; Social Studies (6 credits); Physical Education 1-2, or 3-4.  
**Sophomore year:** Physics 3-4, or 31-32; History 11-12; Chemistry 15; Biology 4; Social Studies (3 credits); Elective (3 credits); Physical Education 11-12.

**Junior year:** Biology 24, 110, 160; Chemistry 20, 110; Speech 1; Humanities (9 credits).

**B.** Following completion of the courses listed in paragraph A, the student will attend an approved school of medical technology. Upon the successful completion of his college studies with an overall grade point average of 2.25, and of his technical studies, and upon the recom-

## 120 WISCONSIN STATE UNIVERSITY

mentation of the pathologist in charge of the school and the recommendation of the University faculty, he is awarded a Bachelor of Science degree with a major in Medical Technology.

\*Students entering the medical technology program should have:

- a) Adequate preparation in high school chemistry and algebra, or
- b) High school algebra and Chemistry 1.

All Medical Technology majors should then take Chemistry 7-8.

### MUSIC

Mr. Marple, chairman; Mr. Blair, Mr. Cohan, Mr. Cultice, Mr. Dick, Mr. Lutz, Mr. McLott, Miss Resch, Mr. Rupert, Mr. Tarabek, Mr. Thomas, Mr. VanNuys, Mrs. Wray.

Special music scholarships are available to high school seniors with outstanding talent in musical performance. These scholarships are awarded each spring on the basis of special auditions held before members of the Music faculty. Information as to the date, time, and other details may be obtained from the chairman of the Music Department.

These scholarships are awarded for four years contingent upon maintenance of a satisfactory record. They are valued at \$400. This amount offsets the cost of two courses in individual applied music per semester for eight semesters: one course in the student's major performing medium and one in his minor performing medium.

In order to remain eligible for the scholarship, the student must

1. major in Music,
2. carry at least the normal study load of 15 semester hours,
3. maintain a semester average of 2.00 in academic subjects and 3.00 in music subjects, and
4. participate in at least two major ensembles (band, orchestra, choir).

A student who loses a scholarship through failure to fulfill these conditions may apply for renewal of the scholarship after the lapse of one semester, provided he can again fulfill the conditions at that time. Such renewal may be made only once.

The following organizations are open to all students, on either a credit or an extra-curricular basis: Band, Brass Choir, Choraliers, Choir, Madrigals, Opera Workshop, Chamber Orchestra, Woodwind Ensemble.

#### A. BACHELOR OF MUSIC DEGREE in the School of Education.

I. English and Speech:

- a. English 1-2, 6 credits.
- b. Speech 1, 2 credits.

II. History 1-2, or 3-4, or 11-12; 6 credits.

III. One of the following:

A. Foreign Language, 8 credits.

This requirement may be satisfied by two acceptable units of high school work completed in one language. An acceptable unit is one year's work with a grade of C or better.

B. Mathematics, 4 credits.

This requirement may be satisfied by two and one-half accept-

able units of high school mathematics. An acceptable unit is one year of work with a grade of C or better, excluding "general mathematics."

IV. Social Studies, 9 credits.

Work in the social studies must include courses in at least two of the following fields: cultural geography, economics, history (in addition to II, above), political science, psychology, sociology, Conservation 111.

V. Natural science, 10 credits.

A continuous year course in one science, or two of the one semester science courses numbered 1.

VI. Humanities, 9 credits, selected so as to include courses in at least two of the following groups:

A. History and appreciation of art, music, theater; history of music, theater.

B. Literature. (If Introduction to Literature or the survey course in American Literature or in English Literature is selected, the full year course must be completed to be credited on this requirement.) Speech 31 and 32 (Dramatic Literature) may be used to meet this requirement.

C. Philosophy (logic and philosophy of science excluded), colloquium.

VII. Physical Education, 4 credits, to be taken during the first two years; exemptions may be granted by the Physical Education Department for certain reasons.

VIII. Education, 20 credits, as follows: Education 104N, 105S, 111, 112, 198 (10 credits).

IX. Music, 60 credits.

A. Instrumental emphasis:

1. Theory, 16 credits: Music 9, 10, 21, 22, 30, 110, 130, 131.

\*2. Applied Music (major), 12 credits.

3. Applied Music (minor), 4 credits.

4. Music Literature, 10 credits: Music 23, 24, 140, 141.

5. Class Applied Music, 8 credits.

6. Conducting, 2 credits: Music 108.

7. Music electives, 8 credits.

B. Vocal emphasis:

1. Theory, 12 credits: Music 9, 10, 21, 22, 30, 110.

\*2. Applied Music (major), 12 credits.

3. Applied Music (minor), 6 credits.

4. Music Literature, 12 credits: Music 23, 24, 140, 141, 144.

5. Class Applied Music, 4 credits.

6. Opera Workshop, 4 credits.

7. Conducting, 2 credits: Music 108.

8. Music electives, 8 credits.

## 122 WISCONSIN STATE UNIVERSITY

- X. A minimum of 120 credits is required, in addition to required physical education (124 credits, total). At least 40 credits must be in courses numbered 100 or above.

### B. BACHELOR OF MUSIC DEGREE in the School of Fine Arts.

1. The requirements for the Bachelor of Music degree in the School of Fine Arts are the same as those in the School of Education, except that item VIII (Education courses) is omitted.

### 2. BACHELOR OF MUSIC DEGREE in Music Literature.

All requirements for a Bachelor of Arts or a Bachelor of Science degree will be completed along with the following credits in Music:

- a. Theory, 12 credits.
- b. Theory electives (Music 130, 131, 199 in composition or counterpoint), 4 credits.
- \*c. Applied Music (major), 12 credits.
- d. Ensemble, 8 credits.
- e. Music Literature, 24 credits: Music 23, 24, 140, 141, 2 or 144, 151, 152, 153, 154.

\*For students majoring in music, a proficiency grade of V must be earned on the major instrument before graduation. A piano proficiency grade of IV is required of vocal and music literature majors, and a piano proficiency grade of III is required of instrumental majors.

### C. A minor in Music consists of 22 credits, as follows:

1. Music 9, 10, 23, 24. (10 credits)
2. Six credits of Music 5 and 15.
3. Six credits of electives from at least two of the following areas:
  - a. Music 4K, 4P, 4N, 17K.
  - b. Music 141, 144, 151, 152, 153, 154.
  - c. Music 21, 22, 30.

### Music 1. Appreciation and History of Music. Three credits.

A survey of the development of music, stressing the elements of musical understanding and intelligent listening; form and design in composition.

Not to be counted toward a Music major or minor, or the Bachelor of Music degree.

### Music 2. American Music. Two credits.

A survey of music from the time of the Pilgrims to the present, with special emphasis on Jazz and its influence on contemporary music.

### Music 4. First Year Ensemble. Each one credit.

Admission by try-out.

4K - Choir; L - Women's Glee Club; M - Men's Glee Club; N - Chamber Orchestra; P - Band.

### Music 5. Beginning Applied Music. Each two credits.

5G - Piano; H - Organ; J - Voice; K - Percussion; L - Violin; M - Viola; N - Cello; P - Bass; Q - Clarinet; R - Flute; S - Oboe; T - Bassoon; U - Saxophone; V - Trumpet; W - Horn; X - Baritone; Y - Trombone; Z - Tuba.

**Music 7. Class Applied Music.** Each two credits.

The elements of each medium listed, taught by class participation and observation; two hours per week.

7G - Piano; J - Voice; K - Percussion; L - Violin; M - Low Strings;  
Q - Clarinet; S - Conical and Double Reeds; T - Trumpet; X - Low Brass.

**Music 10-11. Elementary Theory.** Each three credits.

10. Fundamental elements of music — pitch, scales, rhythm and meter; basic skills, including sight-singing and dictation.

11. A continuation of 10, with the introduction of part-writing principles involving all triads and seventh chords in the contrapuntal harmonic practices of the eighteenth century.

**Music 12. Music in Recreation.** Two credits.

Recreational relation of music to community activities; work with barber-shop quartets, folk dancing, music for playgrounds, community singing and recreational instruments such as the ukulele and recorder.

Prerequisite: Consent of instructor.

Not to be counted toward a Music major or minor or toward the Bachelor of Music degree.

**Music 14. Second Year of Ensemble.** Each one credit.

See Music 4 for the subdivisions of this course.

Prerequisite: Music 4.

**Music 15. Second Year of Applied Music.** Each two credits.

See the statement under Music 5.

Prerequisite: Music 5.

**Music 17. Small Ensembles.** Each one credit.

Prerequisite: Consent of the instructor.

17K - Opera Workshop; L - Madrigal; M - Percussion Ensemble; N - Woodwind Ensemble; P - Brass Ensemble.

**Music 20. Intermediate Theory I.** Three credits.

Eighteenth century harmonic styles, emphasizing diatonic and chromatic harmonies; advanced sight-singing and dictation.

Prerequisite: Music 11.

**Music 21. Intermediate Theory II.** Three credits.

Polyphonic structures as they apply to styles of the sixteenth and eighteenth centuries; counterpoint.

Prerequisite: Music 20.

**Music 23. Music Literature I.** Two credits.

Introduction to the more important compositions in music from the eighteenth century to the present time; required listening.

Open to all students with previous experience in music.

**Music 24. Music Literature II.** Two credits.

Symphonic literature, with emphasis on form and analysis; required listening.

Open to all students with previous experience in music.

## 124 WISCONSIN STATE UNIVERSITY

### Music 30. Advanced Theory I.

Three credits.

Nineteenth century harmonic styles evolving from the eighteenth century styles, with special emphasis on innovations.

Prerequisite: Music 21.

### Music 103. Music in the Elementary School.

Three credits.

Techniques and theory of effective teaching skills in the primary and intermediate grades, including the fundamentals of music as applicable to each grade as studied; aims and content of public school music in relation to general curriculum.

Required in the Primary and Intermediate Curricula.

Not to be counted toward a Music major or minor.

### Music 104. Third or Fourth Year of Ensemble.

Each one credit.

See Music 4 for the subdivisions of this course.

Prerequisite: Music 14.

### Music 105. Third or Fourth Year of Applied Music.

Each two credits.

See the statement under Music 5.

Prerequisite: Music 15.

### Music 108. Advanced Conducting.

Two credits.

Problems of organizing and coaching techniques for vocal and instrumental groups; experience in conducting the college ensembles.

Prerequisite: Music 10.

### Music 110. Advanced Theory II.

Three credits.

Twentieth century compositional practices and their relationships to previous styles.

Prerequisite: Music 21.

### Music 113. Composition.

Each two credits.

113K. Creative exercises in twentieth century harmonic techniques dealing with expanded tonality; independent creative writing of works in smaller forms for solo instruments and small ensembles.

113L. Creative exercises in twentieth century contrapuntal techniques, including serial techniques; independent creative writing for solo and small ensembles.

113M. Introduction to creative writing involving ensembles to include works for orchestra, chorus, and wind ensemble.

113N. Introduction to creative writing involving the dramatic forms: opera, ballet, or oratorio; introduction to electronic media as an art form.

Prerequisites: Music 21, or consent of the instructor.

### Music 117. Second Year of Small Ensemble.

Each one credit.

See Music 17 for the subdivisions of this course.

Prerequisite: Music 17.

### Music 118. Ensemble Technics for Public Schools.

Two credits.

The playing, singing, and conducting of literature for the junior and senior high school; secondary instruments will be used.

Prerequisite: Music 7.

**Music 120. Music Education in the Elementary School.** Two credits.

Theory and application of effective teaching skills in the primary and intermediate grades; aims and content of public school music in relation to general curriculum; classroom observation.

Prerequisite: Music 10.

Open only to Music majors and minors.

**Music 130. Instrumentation.** Two credits.

Modern band and orchestra instruments in regard to their ranges, playing characteristics, physical properties, history, and advisable use.

Prerequisite: Music 10.

**Music 131. Orchestration.** Two credits.

Arranging of music for small and large ensembles with the accent on written work to produce proper blend and color; some correlated study of examples from the masters.

Prerequisite: Music 130.

**Music 135. Piano Pedagogy.** Two credits.

Effective skills in private and class piano, with discussion and performance of piano literature; observation of class and private instruction.

Prerequisite: Piano proficiency Grade IV.

**Music 140-141. History of Music.** Each three credits.

Major events and trends in history and their effect on the culture of the era, music in particular.

140: Greeks to 1600.

141: 1600 to the present.

May be taken independently.

**Music 144. Operas and Oratorios.** Two credits.

Study of the great oratorios, masses, and other choral masterpieces from classics through the modern period.

**Music 151. Baroque Period — 1600-1750.** Three credits.

**Music 152. Classic Period — 1750-1800.** Three credits.

**Music 153. Romantic Period — 1800-1890.** Three credits.

**Music 154. Post-Romantic Period — 1890 to the present** Three credits.

Music idioms and styles of the period, with emphasis on the development and rise of new forms; music in the general culture of the period.

**Music 199. Special Work.**

Upper class students majoring or minoring in Music, or those working toward a Bachelor of Music degree, may by agreement with their dean and the chairman of the Music Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project in theory, conducting, composition, orchestration, or music history.

## PHILOSOPHY

Mr. Rosenthal, Mr. Schuler.

A minor in Philosophy consists of a minimum of 18 credits in Philosophy, four of which may be selected from Colloquium.

## 126 WISCONSIN STATE UNIVERSITY

**Philosophy 15. Introduction to Philosophy.** Three credits.

Introduction to the various fields of technical philosophy and the nature of philosophical investigation.

Prerequisite: Sophomore standing.

**Philosophy 21. Elementary Logic.** Three credits

Problems and methods of better thinking; development of skill in detecting the more obvious logical errors. The positive aim of the course is improvement in the student's ability to critically examine descriptive discourse.

Prerequisite: Sophomore standing, or consent of the instructor.

**Philosophy 22. Symbolic Logic.** Three credits.

Introduction to symbolic logic with particular attention to the application of logical systems in the natural sciences.

Prerequisite: Philosophy 21, or consent of the instructor.

**Philosophy 103. Philosophy of Art.** Three credits.

An examination of traditional and contemporary theories about the nature and function of art, the processes of artistic creation and appreciation, and philosophical problems in art criticism.

**Philosophy 105. Ethics and Value Theory.** Three credits.

Examination of the logic of evaluational discourse as revealed in contemporary theories of ethics and value.

**Philosophy 106. Philosophy of Science.** Three credits.

An examination of the logical structure, concepts, and derivative "philosophic" issues of the descriptive sciences; organized with reference to physics and psychology as illustrative of the physical and behavioral sciences.

This course may not be used to meet the "Humanities" requirement for a degree.

**Philosophy 107. History of Ancient and Medieval Philosophy.** Three credits.

Philosophy from the rise of Greek speculation to the decline of scholasticism; from Thales to Meister Eckhart.

Prerequisite: Three credits of Philosophy, or consent of the instructor.

**Philosophy 108. History of Modern Philosophy.** Three credits.

Philosophy from the Renaissance to the twentieth century; from Giordano Bruno to Wittgenstein and Ayer.

Prerequisite: Three credits of Philosophy, or consent of the instructor.

**Philosophy 109. Contemporary Philosophy.** Three credits.

Mainstreams in twentieth century western philosophy, with special emphasis on existentialism, pragmatism, logical positivism, and philosophical analysis.

Prerequisite: Three credits of philosophy, excluding Philosophy 21 and 22.

**Philosophy 110. Metaphysics.** Three credits.

Examination of contemporary metaphysical theories with particular attention to the relation of metaphysics and the factual sciences.

Prerequisite: Three credits in Philosophy, or consent of the instructor.

**Philosophy 120. Philosophy of Religion.** Three credits.

An introduction to the basic problems of the philosophy of religion, including the nature of religion, religious knowledge, religious language, the problem of evil, and immortality.



**Philosophy 199. Special Work.**

Upper class students minoring in Philosophy may, by agreement with their dean and the chairman of the Department of Philosophy and Psychology, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**PHYSICAL EDUCATION**

Mr. Brodhagen, chairman; Miss Biddlestone, Mr. Burns, Mr. Counsell, Miss Dillin, Mr. Hagerman, Mr. Hoff, Mr. Krueger, Mr. Larsen, Mr. Quandt, Miss Rimnac, Miss Schelfhout.

General requirements: Physical Education 1-2 or 3-4, and 11-12 are required of all students for graduation. One credit is given for each of these courses. Physical Education 31 or 32 may be taken in place of Physical Education 12 by students in the primary, intermediate, and upper elementary curricula. Exemptions from these requirements may be granted by the Physical Education Department for certain reasons. A written statement of the exemption must be filed in the Record Office each semester; it will be recorded on the student's record sheet.

A minor in Physical Education is offered to both men and women and consists of 22 credits exclusive of Physical Education 1, 2, 3, 4, 11, and 12. It includes the following:

For men and women: Physical Education 5, 61, 71, 81, 143, 191; Biology 40.

For men: Physical Education 21, 22, 151.

For women: Physical Education 123, 124, 125, 152.

The remaining credits in Physical Education may be selected from the following courses:

For men and women: Physical Education 31, 32, 41, 142, 162, 172, 199.

For men: Physical Education 182, 183.

Education students minoring in Physical Education should take Education 106K as one of their techniques courses. No other minor is required.

**Physical Education 1-2. General Physical Education (Men).** Each one credit.

Practice in fundamental skills of seasonal sports; swimming may be elected in place of floor classes. Required of all freshman men; two hours per week.

**Physical Education 3-4. General Physical Education (Women).**

Each one credit.

Floor classes involving movement fundamentals, physical fitness, and seasonal sports; swimming may be elected in place of floor classes. Required of all freshman women; two hours per week.

**Physical Education 5. Introduction and Principles of Physical Education.**

Two credits.

An introductory course for all Physical Education minors, interpreting the history, philosophy, and principles of physical education.

## 128 WISCONSIN STATE UNIVERSITY

### **Physical Education 7. Physical Education for the Older Student. Two credits.**

Primarily for the student over thirty years of age who wishes to elect this course in place of Physical Education 1 or 3, and 11. A combination lecture-laboratory course dealing with such matters as diet and weight control, relaxation, exercise, movement, recreational activities, and physical problems of aging.

### **Physical Education 8. Physical Education for the Older Student. Two credits.**

A continuation of Physical Education 7, primarily for the student over thirty years of age who wishes to elect this course in place of Physical Education 2 or 4, and 12.

### **Physical Education 11-12. General Physical Education. Each one credit.**

Individual and recreational activities such as archery, bowling, golf, tennis, swimming, and rhythms offered in different sections. Students may elect sections as space permits. Required of all sophomore men and women. Physical Education 31 or 32 may be substituted if they are required in the student's curriculum.

Prerequisite: Sophomore standing.

### **Physical Education 21. Physical Education Theory and Practice.**

Two credits.

Participation in the conduct of the varied activities included in a broad program of physical education, including tactics, calisthenics and body building, apparatus, tumbling, combatives and games of low and high organization; four hours per week.

Prerequisite: Sophomore standing.

### **Physical Education 22. Physical Education Theory and Practice.**

Two credits.

Participation in and theory of conducting physical education activities, individual, dual, and team sports; four hours per week.

Prerequisite: Physical Education 21.

### **Physical Education 31. Physical Education for Lower Grades. Two credits.**

Methods and materials for the teaching of physical education in the primary grades. Required of all students in the Primary curriculum.

Prerequisite: Sophomore standing.

### **Physical Education 32. Physical Education for Upper Grades. Two credits.**

Methods and materials for the teaching of physical education in the elementary grades. Required of all students in the Intermediate-Upper Elementary curriculum.

Prerequisite: Sophomore standing.

### **Physical Education 41. Camp leadership.**

Two credits.

Theory and practice in camp craft, problems of cabin living, counselor training, waterfront laboratory, nature study, handicrafts and special projects; field trips and supplementary reading.

Prerequisite: Sophomore standing.

### **Physical Education 61. Rhythmical Activities.**

One or two credits.

Folk, square, and social dance; additional work to include outside reading and practice in teaching is required for the second credit.

Prerequisite: Sophomore standing.

**Physical Education 71. Human Anatomy.** Three credits.

The skeletal, muscular, circulatory, respiratory, and nervous systems of the human body; designed for physical education minors.

Prerequisite: Sophomore standing.

**Physical Education 81. Individual and Dual Sports.** One credit.

History, techniques, teaching methods, and rules of individual sports, such as archery, tennis, badminton, bowling, skiing, golf, swimming, and others; two hours per week. A subtitle describing the activities will be added each time the course is offered.

Prerequisite: Sophomore standing.

**Physical Education 123. Theory and Practice of Team Sports I.** One credit.

Individual skill techniques, team tactics and formation plays, teaching methods, rules and officiating duties in teaching soccer, speedball, and volleyball; review of lead-up games for each team sport; two hours per week.

Prerequisites: Physical Education 3, 4, 11, 12.

**Physical Education 124. Theory and Practice of Team Sports II.** One credit.

Fundamental techniques, individual and team tactics, methods of coaching, practice drills, rules and technique in officiating basketball, and softball; review of lead-up games for each team sport; two hours per week.

Prerequisites: Physical Education 3, 4, 11, 12.

**Physical Education 125. Theory and Practice of Body-Building and Self-Testing Activities.** Two credits.

Theory and technique of teaching stunts, tumbling, conditioning exercises, and posture activities; survey of test and measurement procedures.

**Physical Education 142. Community Recreation.** Two credits.

Study of the problems involved in setting up recreation programs on a yearly basis.

**Physical Education 143. Group Games and Social Recreation.** Two credits.

Quiet games, singing and folk games, and games of low organization suitable for home, school, and community recreation; supplementary to Physical Education 142.

**Physical Education 151. First Aid and Athletic Training.** Two credits.

Causes, treatment, and prevention of injuries common to athletic activities; taping, bandaging, and discussion of such topics as fatigue, overtraining, and second wind.

**Physical Education 152. Safety Procedures and First Aid.** One credit.

American Red Cross First Aid training with certificate issued on completion of course.

**Physical Education 162. Folk, Square, and Social Dancing.** Two credits

Advanced folk dancing, square dance calling; advanced social dance and study of modern dance; leadership experience and study of source materials.

Prerequisite: Physical Education 61, or consent of the instructor.

**Physical Education 172. Physiology of Exercise.** Two credits.

Effects of exercises of speed, strength, skill and endurance; nature of muscular behavior, fatigue, breathlessness, and exhaustion; effects of exercise with respect to age, sex, and occupation.

## 130 WISCONSIN STATE UNIVERSITY

**Physical Education 182. Theory of Football and Basketball.** One credit.

Mechanics of fundamentals; technique of position play; analysis of various styles of offense and defense, strategy, conditioning, and coaching methods of football and basketball; two hours per week.

**Physical Education 183. Theory of Track, Baseball, and Wrestling.**

One credit.

Theory and technique, training schedules, strategy, coaching methods, and conditioning for baseball, track, and wrestling; two hours per week.

**Physical Education 191. Organization and Administration of**

**Physical Education and Athletics.** Two credits.

The school program in Physical Education and Athletics; problems of the administration of gymnasias, playgrounds, pools, locker rooms, interscholastic athletics and intramurals; management of the business affairs of each type of program.

**Physical Education 197. Workshop in Physical Education.** Three credits.

Designed to give teachers an opportunity to gather new ideas and practical experiences for use in their teaching situations; consideration given to the individual teacher and his particular problems encountered in his own school system, such as time allotment, special class situations, and characteristic problems of children.

**Physical Education 199. Special Work.**

Upper class students minoring in Physical Education may, by agreement with their dean and the chairman of the Physical Education Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

## PHYSICS

Miss Bainter, chairman; Mr. Blocher, Mr. Kulas, Mr. Lokken, Mr. Taylor.

A. A major in Physics consists of 34 credits including Physics 31-32 (Physics 3-4 will be accepted by the chairman of the department under certain conditions); Physics 103, 107-108, 111, and at least 1 credit of Physics 199 or its equivalent; the remaining credits will be in courses numbered 100 or above. Mathematics 32 is prerequisite to all Physics courses numbered 100 or above. (In the Education Curricula, Astronomy 11 may be elected as part of the 34 credits.)

B. A minor in Physics consists of 22 credits including Physics 31-32 (Physics 3-4 will be accepted by the chairman of the department under certain conditions); Physics 103 or 107, and 111; the remaining credits will be in courses numbered 100 or above. (In the Education Curricula, Astronomy 11 may be elected as part of the 22 credits.) Mathematics 32 is prerequisite to all Physics courses numbered 100 or above.

**Physics 1. General Physics.**

Five credits.

Fundamental principles of physics with emphasis on applied, rather than on mathematical relations; designed for students in the Elementary Education Curriculum and in general education.

**Physics 3-4. General Physics.** Each five credits.

Mechanics, sound, heat, light, electricity, and magnetism; three hours lecture, three hours laboratory, one hour quiz per week.

Prerequisite: One year of high school algebra and one year of high school geometry, or college equivalent.

**Physics 31-32. General Physics.** Each five credits.

Mechanics, sound, heat, light, electricity, and magnetism; three hours lecture, three hours laboratory, one hour quiz per week.

Recommended for students who expect to major in physics, chemistry, or mathematics, and for engineering students. Also recommended for those expecting to minor in physics.

Prerequisite: Mathematics 31, or concurrent registration.

**Physics 103. Advanced Optics.** Four credits.

Review of light; advanced principles of optics; three hours lecture, two hours laboratory per week.

Prerequisite: Physics 32; Mathematics 32.

**Physics 105. Mechanics.** Three credits.

Composition, resolution, and multiplication of vectors; Newton's laws of motion as applied to rectilinear and curvilinear motions, including simple harmonic and damped vibrations; rotation of rigid bodies; moments of inertia.

Prerequisites: Physics 32; Mathematics 32.

**Physics 107-108. Electricity and Magnetism.** Each four credits.

Electro-magnetism; electrical measurements, instruments, and related theory; three hours lecture, two hours laboratory per week.

Prerequisites: Physics 32; Mathematics 32.

**Physics 111. Atomic Structure I.** Four credits.

Review of the atomistic theory of matter, including atomic spectra, the Bohr atom, the Schrodinger equation, the Pauli exclusion principle, quantum theory of the periodic table. Three hours lecture, two hours laboratory per week.

Prerequisites: Physics 32, Mathematics 32.

**Physics 112. Atomic Structure II.** Four credits.

Review of nuclear theory, including X-ray theory and spectra, nuclear structure and nuclear models, natural and induced radioactivity, alpha-decay, beta-decay, gamma-radiation, and fundamental particles. Three hours lecture and two hours laboratory per week.

Prerequisite: Physics 111.

**Physics 115. Thermodynamics.** Three credits.

Principal concepts of thermodynamics and elementary kinetic theory.

Prerequisites: Physics 32; Mathematics 32.

**Physics 180. Selected Topics.** Three credits.

Approximately six weeks of concentrated study in each of three of the following areas: solid-state physics, quantum mechanics, shop techniques,

## 132 WISCONSIN STATE UNIVERSITY

electronics, mathematical methods of physics, planetary and space physics, general relativity.

The selection is based on the needs of the particular group and on the special interest of the staff member offering the course.

Open only to seniors majoring in physics or chemistry.

### Physics 199. Special Work.

Upper class students majoring or minoring in Physics may, by agreement with their dean and the chairman of the Physics Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

## POLITICAL SCIENCE

Mr. Fothergill, chairman; Mr. Cates, Mr. Groves, Mr. Oster.

A. A major in Political Science consists of at least 30 credits in Political Science courses, with some courses selected from each of the four fields: United States government, comparative government, political theory, and the international field. Political Science 1 and 16 are required. At least 18 credits must be selected from courses numbered 100 or above.

B. A minor in Political Science consists of at least 18 credits in Political Science courses, including Political Science 1 and 16. Some courses must be selected from each of the four fields: United States government, comparative government, political theory, and the international field.

Political Science 1. American National Government. Three credits.

Nature and functions of the national political and constitutional system; the three great departments.

Political Science 2. American National Administration. Three credits.

A description and critical examination of American national administration; the executive departments, the independent boards and commissions, and other administrative agencies.

Prerequisite: Political Science 1.

Political Science 13. Political Parties and Elections. Three credits.

A description and critical examination of political parties and voting behavior in the United States.

Prerequisite: Sophomore standing, and Political Science 1 or consent of the instructor.

Political Science 16. Introduction to Modern Politics. Three credits.

A theoretical and comparative study of institutions and patterns of government, such as majority rule, representative government, bureaucracy, tyranny, totalitarianism.

Prerequisite: Sophomore standing, and Political Science 1 or consent of the instructor.

Political Science 108. Public Administration. Three credits.

Theory and practice of public administration in the United States.

Prerequisite: Political Science 2, or consent of the instructor.

**Political Science 110. The American Presidency.** Three credits.

An analysis of the development of the American chief executive, with primary emphasis on the twentieth century presidents; the nature of presidential power, its effectiveness and its limitations.

**Political Science 124. Public Finance.** Three credits.

Theories, practices, and problems of taxation; proposed tax reforms; fiscal policy.

Prerequisite: Economics 11.

Same as Economics 124.

**Political Science 130. The Legislative Process.** Three credits.

An analysis of the forces and procedures that determine the formation of law and public policy in the United States.

**Political Science 132. Interest Groups in Politics.** Three credits.

The nature and influence of pressure groups in American politics; a critical analysis of their effect upon the democratic way of life.

**Political Science 140. State and Local Government.** Three credits.

Nature and functions of state and local government in the United States, with special emphasis on Wisconsin.

Prerequisite: Political Science 2, or consent of the instructor.

**Political Science 146. Business and Government.** Three credits.

A general survey of the problems of the relationship between government and business in an advanced technological society.

Prerequisite: Economics 12.

Same as Economics 146.

**Political Science 153-154. Constitutional History of the United States.**

Each two or three credits.

153: Origin and elaboration of colonial political theories and practices; evolution of guarantees for personal liberty; constitutional development through the Civil War.

Prerequisite: History 11, or consent of the instructor.

154: Constitutional development since the Civil War.

Prerequisites: History 12, Political Science 153, or consent of the instructor.

Same as History 153-154.

**Political Science 160-161. Comparative Government.** Two or three credits.

A comparative study of the governments of (160) Great Britain and France; (161) the Soviet Union and other selected states.

**Political Science 162. Government and Politics of the Soviet Union.**

Three credits.

A study of Russian national and Marxist influences on the development of the Soviet state, and Soviet concept of democracy, the role of the Communist Party, and the machinery of government.

**Political Science 170-171. Development of Political Thought.**

Each three credits.

170: An analysis of the contribution of thinkers like Plato, Aristotle, St. Augustine, and Hobbes to the study of politics.

## 134 WISCONSIN STATE UNIVERSITY

171: Main currents of political speculation from the eighteenth century to the present: liberalism, conservatism, Marxism, fascism, democratic socialism, contemporary democracy, and other recent political theories.

**Political Science 180. International Organization.** Three credits.

A survey of the proposals and experiments in international organizations; the League of Nations and the United Nations.

Prerequisite: Six credits of Political Science, or History 119 or 165; or consent of the instructor.

**Political Science 181. International Politics.** Three credits.

Political relations among modern states; forces which motivate foreign policy; the role of power; conflict between free and totalitarian systems.

Prerequisite: Six credits of Political Science, or History 119 or 165, or consent of the instructor.

**Political Science 182. The Foreign Policy of the Soviet Union.** Three credits.

An analysis of the Russian national and Marxist bases of the foreign policy of the Soviet Union.

**Political Science 199. Special Work.**

Upper class students majoring or minoring in Political Science may, by agreement with their dean and the chairman of the Political Science Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

## PSYCHOLOGY

Mr. Harris, chairman; Mr. Beck, Mr. Lee, Mr. Norton, Mrs. Norton, Mr. Yuthas.

A. A major in Psychology consists of 30 credits, including Psychology 11, 16, 110, 120, 124 or 128, and 141. An approved course in statistics may be included.

B. A minor in Psychology consists of 18 credits in Psychology, including Psychology 11.

The student is encouraged to build a broad background, including courses in biology, philosophy, and sociology.

**Psychology 11. General Psychology.** Three credits.

An introductory survey course in the study of experience and behavior.

Prerequisite: Sophomore standing.

**Psychology 13. Psychology of Childhood.** Three credits.

Studies in child behavior and development and their implications for child-adult relationships; experience in child study methods.

Prerequisite: Psychology 11.

**Psychology 16. Psychology of Adjustment.** Three credits.

Nature of adjustment and the conditions related to mental health in normal persons.

Prerequisite: Psychology 11.



Psychology 17. Industrial Psychology. Three credits.

Theoretical and practical psychological bases of employee morale, job analysis, selecting and training of workers, working conditions, production, supervision, merit rating, and occupational adjustment.

Prerequisite: Psychology 11.

Psychology 103. The Psychology of Adolescence. Three credits.

Behavior of adolescents; emphasis on the physiological and cultural determinants of personality and consideration of the problem of adjustment encountered by youth in society.

Prerequisite: Psychology 11.

Psychology 110. Theories of Personality. Three credits.

Theories of psychology exploring the major contemporary approaches to the study of behavior; clinical and experimental contributions to the understanding of the personality and its structure.

Prerequisite: Psychology 11.

Psychology 115. Social Psychology. Three credits.

Theories, methods of investigation and research results concerned with the influence of groups and group membership upon individual behavior; the study of interpersonal relationships.

Prerequisite: Psychology 11, or Sociology 11.

Same as Sociology 115.

Psychology 120. Experimental Psychology. Three credits.

Theory of measuring human behavior; research techniques and methodology; experimental approaches to perception, learning, and social characteristics of the individual.

Prerequisite: Psychology 11.

Psychology 124. Learning. Three credits.

A survey of simple and complex learning, including conditioning, sensory-motor learning, language learning, problem-solving, with emphasis on contemporary theories.

Prerequisite: Psychology 11.

Psychology 128. Motivation and Emotion. Three credits.

The nature and development of emotion, attitude, motive, and the role of these processes in thinking and behavior.

Prerequisite: Psychology 11.

Psychology 135. Abnormal Psychology. Three credits.

Study of behavior disorders, including the psychoses, neuroses, character disorders, and mental deficiencies.

Prerequisite: Psychology 16, or consent of the instructor.

Psychology 141. Contemporary Viewpoints. Three credits.

A systematic view of psychology through an examination of the major systems including structuralism, behaviorism, gestalt, and psychoanalysis; current trends in theory.

Prerequisites: Psychology 120, and 124 or 128, or consent of the instructor.

## 136 WISCONSIN STATE UNIVERSITY

### Psychology 199. Special Work.

Upper class students majoring or minoring in Psychology may, by agreement with their dean and the chairman of the Psychology Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

### RUSSIAN

Miss Kaminska.

A minor in Russian consists of 16 credits beyond the first year level, including Russian 113 or 114.

The equivalent of one year's training in Russian must be completed before credit in Russian will count toward graduation.

Students who are taking a foreign language are required to purchase a recording tape at an approximate cost of \$3.25.

**Russian 1-2. First Year Russian.** Each four credits.

For students with no previous training in the language; grammar, oral practice, reading.

Students with one year of high school Russian will enter Russian 2.

**Russian 11-12. Second Year Russian.** Each four credits.

Extensive and intensive reading; review of grammar and pronunciation.

Prerequisite: Russian 2 or two years of high school Russian. Students who present three years of high school Russian will enter Russian 12.

**Russian 111-112. Russian Literature and Civilization.** Each three credits.

Survey course: lectures, readings, reports.

Prerequisite: Russian 12 or equivalent.

These courses need not be taken in sequence.

**Russian 113-114. Composition and Conversation.** Each two or three credits.

Facility in Russian expression, oral and written.

Prerequisite: Russian 12 or equivalent.

These courses need not be taken in sequence.

### SOCIAL SCIENCE

Mr. Sigmund, adviser.

A Social Science major may be earned in either of two ways. Students in the Secondary Education curriculum should select plan B, below, in order to meet Wisconsin certification requirements for high school Social Studies teachers.

A. A Social Science major for Letters and Science students consists of the following:

1. Meeting requirements for the minor in one of the following fields:
  - a. Economics.
  - b. History.
  - c. Political Science.
  - d. Sociology.
2. Six or more credits in each of three Social Science fields as listed

below, but not to include the field selected under point 1, above.

- a. Economics.
- b. Geography (cultural), consisting of Geography 10, plus three credits in advanced cultural Geography.
- c. History (except History 11-12).
- d. Political Science.
- e. Psychology.
- f. Sociology.

3. Sufficient additional credits to total 45 or more, with at least 15 of the total in courses numbered 100 or above.

B. A Social Science major for students in Secondary Education consists of the following:

1. A minimum of 54 credits in Social Science with at least a minor in History, and at least one full year of course work in Economics, cultural Geography, Political Science, and Sociology, as indicated below.
  - a. History: Same as the stated minor in History, with History 11-12 to contribute to the fulfillment of the requirement.
  - b. Economics: Required — Economics 11; Elective — Economics 12, or any three-credit course numbered 100 or above approved by the Social Science adviser.
  - c. Geography: Required — Geography 10; Elective — any three-credit course in advanced cultural Geography approved by the Social Science adviser.
  - d. Political Science: Required — Political Science 1; Elective — any three-credit course numbered 100 or above approved by the Social Science adviser.
  - e. Sociology: Required — Sociology 11; Elective — any three-credit course numbered 100 or above approved by the Social Science adviser.
2. At least 18 credits of the total credits included in the major shall be in courses numbered 100 or above.

C. A minor in Social Science consists of the following:

1. Economics 11-12; Political Science 1; Sociology 11.
2. Eight credits in courses numbered 100 or above in any one of the three fields listed in paragraph 1.

This minor does not meet Wisconsin certification requirements for Social Studies teachers.

## SOCIOLOGY AND ANTHROPOLOGY

Mr. Holloway, chairman; Mr. Dixon, Mr. Fisher, Mr. Olesen, Mr. Phillips.

A. A major in Sociology consists of 34 credits, 18 of which will be in courses numbered 100 or above. Sociology 11, 108K, 108L, 114, and three credits of cultural anthropology are required. Additional courses in Sociology will be selected in consultation with the major adviser, and will depend on whether a student is taking a sociology, social work, or anthropology concentration. In addition, either Economics 130 or Mathematics 25 is required.

## 138 WISCONSIN STATE UNIVERSITY

B. A minor in Sociology consists of 18 credits, nine of which shall be from courses numbered 100 or above. Sociology 11, 108K, and either Sociology 108L or 109 are required. Nine additional credits may be selected from the remaining Sociology courses, and from the following related social science courses: Economics 130, Psychology 17.

**Sociology 1. Man in Society.** Three credits.

Man in relation to society, human groupings, and social institutions; social disorganization and social problems in relation to contemporary society and in terms of technological and ideological changes.

**Sociology 2. Introduction to Anthropology.** Each two credits.

2K — Physical anthropology and archeology.

2L — Cultural anthropology.

**Sociology 11. Principles of Sociology.** Three credits.

Fundamentals of sociological investigation, dealing with the underlying premises, concepts, logic, and methods of sociology, and exploring the structural and functional aspects of a continuing society.

Prerequisite: Sociology 1, or sophomore standing.

**Sociology 12. Principles of Anthropology.** Three credits.

The nature of anthropological study, its scope, specialties, and major concepts; physical anthropology and archeology, cultural anthropology, and the concept of cross cultural studies.

Prerequisite: Sophomore standing.

**Sociology 13. Criminology and Penology.** Two credits.

Sociological analysis of criminality, prisons, probation, and parole.

Prerequisite: Sociology 1 or 11, or Psychology 11, or consent of the instructor.

**Sociology 14. Probation and Parole.** Three credits.

Probation and parole methods for treating offenders; history, organization and administration, eligibility, selection, revocation and termination, procedures and techniques, trends.

Prerequisites: Sociology 11, 13; or consent of the instructor.

**Sociology 100. The American Community.** Three credits.

Industrial and agricultural backgrounds of American culture; development of American social institutions; the folkways and mores of community organization; disorganization and community social problems; social processes influencing community behavior; social agencies and planning for communities.

**Sociology 102. Sociology in Education.** Three or four credits.

Cultural change and education.

**Sociology 104. Marriage and the Family.** Two credits.

Brief historical survey of evolution of marriage and the family; comparative study of marriage and family in primitive and civilized society; survey of research in family life and marital adjustment; survey of problems facing American marriage and family life.

Prerequisite: Sociology 1, 2, or 11, or consent of the instructor.

**Sociology 106. Population Problems.** Three credits.

Demography, population theory, trends and analysis; United States and world population.

Prerequisite: Sociology 1 or 11, or Economics 11, or consent of the instructor.

Same as Economics 106.

**Sociology 107. Minority Groups.** Two credits.

A sociological study of minorities.

Prerequisite: Sociology 2 or 11.

**Sociology 108. The Development of Sociological Thought:**

**Theory and Methods.**

Each three credits.

**108K European** — The sociology of knowledge, exploring the social genesis of sociological thought and the history and development of ideas; social and cultural influences on rational thought; analysis of styles of thought of various cultures, societies, and epochs.

Prerequisite: Sociology 11, or Sociology 1 and 2.

**108L American** — Critical analysis of theoretical and methodological contributions of leading American sociologists to general and sociological thought.

Prerequisite: Sociology 108K, or consent of the instructor.

**Sociology 109. Collective Behavior and Social Control.** Three credits.

A study of how different ways of life are controlled and directed by social forces from simple folkways to mass-persuasion and public opinion; family, education, and legislation as means of social control; group pressures, ideologies, and science as elements in collective behavior and social control.

Prerequisite: Sociology 11, 108L.

**Sociology 110. The Ways of Mankind.** Two or three credits.

A general course in anthropology oriented to the major social institutions; survey of cultural organizations with emphasis on the varieties, similarities and differences of customs, traditions, folkways, mores, and law of primitive society in contrast to modern society.

**Sociology 111. Area and Regional Studies in Ethnology.**

Each two or three credits.

Ethnological survey of various societies in each region; emphasis on the cultural organization of societies, the significance of social change, and the influence of Western civilization on primitive society.

The course will be offered in the following categories:

**111K** - Peoples of Central and South America; **L** - of Africa; **M** - of Asia; **N** - of the Pacific; **P** - Indians of North America.

Prerequisite: Sociology 2L or 110, or consent of the instructor.

**Sociology 114. Methods of Sociological Inquiry.** Two or three credits.

Prerequisite: Senior standing, or consent of the instructor.

## 140 WISCONSIN STATE UNIVERSITY

**Sociology 115. Social Psychology.** Three credits.

Theories, methods of investigation and research results concerned with the influence of groups and group membership upon individual behavior; the study of interpersonal relationships.

Prerequisites: Psychology 11, or Sociology 11.

Same as Psychology 115.

**Sociology 163. Social Insurance.** Two credits.

Various forms of public insurance, e.g., social security, unemployment insurance, compensation, retirement insurance and public welfare; theory and practice of public agencies of insurance; public insurance applied to industrial and agricultural development.

Prerequisite: Economics 11, or consent of the instructor.

Same as Economics 163.

**Sociology 164. Social Legislation.** Three credits.

Statutes and court decisions on marriage, divorce, adoption, illegitimacy, poverty; the reciprocal effects of law and social work.

Prerequisite: Sociology 11.

**Sociology 165. The Field of Social Work.** Each three credits.

165K — Fields, methods, principles, personnel of social work.

165L — Environmental influences including culture, economic organization, population, government; development of public and voluntary services.

Prerequisite: Sociology 11.

**Sociology 166. Social Problems of Old Age.** Three credits.

Growth of the aged population; a comparative view of the role of old people in various societies; factors that account for the changing position of the aged in our society; problems of the aged and proposed solution.

Prerequisite: Sociology 11.

**Sociology 167. Child Welfare.** Three credits.

Problems of dependent, neglected, and delinquent children; methods of study and treatment utilized by federal, state, and local governments, and by private agencies.

Prerequisite: Sociology 11, or Psychology 11.

**Sociology 173. Urban Geography.** Two or three credits.

Agglomerated settlements and their causes; individual cities, their population, land use and livelihood structures; the relations between cities and their adjacent regions.

Same as Geography 173.

**Sociology 199. Special Work.** Each one to three credits.

Upper class students majoring in Sociology may, by agreement with their dean and the chairman of the Sociology Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted, exclusively to a special project.

199K — Sociological Analysis and Research.

199L — Social Work and Social Administration.

199M — Anthropological Theory and Method.

199N — Sociology of Knowledge.

## SPANISH

Mr. Solinis.

A minor in Spanish consists of 16 credits beyond the first year level, including Spanish 113 or 114.

The equivalent of one year's training in Spanish must be completed before credit in Spanish will count toward graduation.

Students who are taking a foreign language are required to purchase a recording tape at an approximate cost of \$3.25.

**Spanish 1-2. First Year Spanish.** Each four credits.

For students with no previous training in the language; grammar, oral practice, reading.

Students with one year of high school Spanish, with grades of C or better, will enter Spanish 2.

**Spanish 11-12. Second Year Spanish.** Each four credits.

Extensive and intensive reading; oral practice and review of grammar.

Prerequisite: Spanish 2, or two years of high school Spanish with grades of C or better. Students who present three years of high school Spanish will enter Spanish 12.

**Spanish 111-112. Spanish Literature and Civilization.** Each three credits.

Survey course: lectures, reading, reports.

Prerequisite: Spanish 12 or equivalent.

These courses need not be taken in sequence.

**Spanish 113-114. Composition and Conversation.** Each two or three credits.

Facility in Spanish expression, oral and written.

Prerequisite: Spanish 12 or equivalent.

These courses need not be taken in sequence.

## SPECIAL STUDIES

**Special Studies 9 (and 179). Speech and Drama Workshop.** One to six credits.

A program designed to provide the student with intensive laboratory experience. The workshop's area of concentration will appear as a sub-title each time the course is offered.

**Special Studies 101. Travel Study.**

For each course in Travel Study which is organized, the number of credits and details of description will be approved through regular Curriculum Committee and Faculty action.

**Special Studies 110. Outdoor Education Workshop.** Six credits.

A summer session course designed to acquaint students with the opportunities for using the outdoors as a laboratory in teaching. Such things as school camping, field trips, crafts, nature study, conservation of natural resources, and special projects will be included. Staff members from various departments will share responsibility for conducting the workshop. A statement of the content of the course will be filed with the registrar each time the course is offered.

## 142 WISCONSIN STATE UNIVERSITY

The workshop will meet three hours daily. In addition, there will be some all day field trips and two all night camp-outs. A laboratory fee is charged to cover transportation costs and miscellaneous expenses.

**Special Studies 179 (and 9). Speech and Drama Workshop.** One to six credits.

See the statement under Special Studies 9 (and 179).

### **SPEECH AND DRAMA**

Miss Peet, acting chairman; Mr. Aylesworth, Mr. Burroughs, Mr. Dawson, Mr. Dowling, Mrs. Ferguson, Miss Isaacson, Mr. Johnson, Mr. Kramer, Miss Thompson.

A. A major in Speech consists of 34 credits in the School of Education, and 30 credits in the School of Fine Arts, 14 of which must be in courses numbered 100 or above. The major may be general, or it may be concentrated primarily in one of the main divisions of the department (1) Public Address, (2) Theater and Interpretation, and (3) Speech Pathology and Audiology (in the School of Education only).

A general major will include courses in each of the three fields. The major in the School of Education requires Speech 12 as one of the courses.

Students electing a concentration in Speech Pathology and Audiology must meet certain course requirements in other fields: Psychology 13 and 16, Education 121 and 184, for example. Students interested in the Speech Pathology and Audiology major may secure from the Speech and Hearing Clinic or at the office of the Chairman of the Department data sheets describing the full course of study for this concentration.

B. A minor in Speech consists of 18 credits in the School of Fine Arts, and 22 credits (including Speech 12) in the School of Education. It may be a general minor, or it may be concentrated in one area.

Speech 1 or its equivalent is required for all majors and minors.

**Speech 1. Introductory Speech.** Two or three credits.

Development of poise, resourcefulness, and self-mastery in speech.

**Speech 3. Voice Training.** Two credits.

Improvement of vocal effectiveness in oral expression.

**Speech 5. Appreciation and History of Theater.** Three credits.

A survey of the development of theater including the modern media of television and motion pictures; emphasis on preparation for intelligent criticism as a member of an audience.

Not to be counted toward a major or minor in Speech.

**Speech 7. Laboratory Work (Radio-TV Workshop).** One credit.

Workshop experience in announcing, writing, directing, producing, and acting in radio and television programs, and experience in control operation for radio; two hours per week.

**Speech 8. Introductory Speech Correction.** Three credits.

An elementary consideration of the disorders of speech and their treatment.

**Speech 10. Oral Interpretation of Literature.** Two credits.

Fundamentals of oral interpretation.



**Speech 12. Forensic Activities.** Three credits.

Theory and practice for all public school forensic and dramatic activities; recommended for prospective teachers.

Prerequisite: Sophomore standing, or consent of the instructor.

**Speech 13. Fundamentals of Public Speaking.** Two credits.

An intensification and refinement of the theory and practice introduced in Speech 1.

Prerequisite: Speech 1.

**Speech 14. Argumentation and Persuasion.** Three credits.

Motivational rhetoric; practice in preparation and delivery of oral argument.

Prerequisite: Sophomore standing, or consent of the instructor.

**Speech 26. Laboratory Work (Dramatics or Forensics).** One credit.

Practical work in dramatics or forensics, by special arrangement with the instructor.

Prerequisite: Sophomore standing.

**Speech 29. Theory and Technique of Acting.** Three credits.

Methods of acting; relation of the role to the play as a whole; character analysis; technique and practice.

Prerequisite: Sophomore standing.

**Speech 31-32. Survey of Dramatic Literature.** Each three credits.

Styles, theories, and literature of world drama; emphasis on the classic heritage; representative plays studied in the context of their times.

31 — Tragedy.

32 — Comedy.

Prerequisite: Sophomore standing, or consent of the instructor.

**Speech 36. History of the Theater.** Two credits.

Drama, arts, and crafts, of the theater; emphasis on pivotal periods; reports and projects.

Prerequisite: Consent of the instructor.

**Speech 40. Elements of Stagecraft.** Three credits.

Elementary theory and practice in the technical aspects of theater.

Prerequisite: Sophomore standing.

**Speech 60. Introduction to Phonetics.** Three credits.

Principles of phonetic study; standards of pronunciation.

Prerequisite: Sophomore standing.

**Speech 62. Voice and Articulation Disorders.** Three credits.

Organic and functional causes of voice and articulation problems; types of therapy.

Prerequisite: Sophomore standing.

**Speech 64. Voice Science.** Three credits.

Anatomy and physiology of the voice mechanism.

Prerequisite: Sophomore standing.

**Speech 103. Advanced Public Speaking.** Two or three credits.

Additional experience in the various forms of public address, with special attention to the professional and business speaker.

Prerequisite: Speech 1, or consent of the instructor.

## 144 WISCONSIN STATE UNIVERSITY

**Speech 104. Advanced Argumentation and Debate.** Two credits.

Projects in analysis, research, ordering of arguments and evidence, refutation, composition, and delivery; study of classic debates.

Prerequisite: Consent of the instructor.

**Speech 107. Psychology of Speech.** Three credits.

Principles of psychology as they apply to speech, with emphasis on experimental research.

**Speech 110. Interpretive Reading.** Three credits.

Principles and techniques of oral interpretation of modern forms of literature; Chamber Theater, and Readers Theater.

**Speech 112. Speech Composition.** Three credits.

Speech composition, with emphasis on theory of style, models of speech composition, and practice in speech writing and delivery.

**Speech 115-116. Play Direction.** Each three credits.

115: Elementary principles and practice in play production.

116: Continuation of 115; workshop projects.

Prerequisite: Speech 115, or consent of the instructor.

**Speech 117. Creative Dramatics.** Three credits.

Philosophy and techniques of creative drama with emphasis on its relation to creative education in general.

**Speech 119. Children's Theater.** Two credits.

Selection, direction, and production of plays for children's audiences.

**Speech 120. Group Discussion.** Three credits.

Recognition and definition of problems, critical analysis, possible solution; the function of discussion in our society.

**Speech 126. Laboratory Work (Dramatics or Forensics).** One credit.

Practical work in dramatics or forensics, by special arrangement with the instructor.

**Speech 127. Laboratory Work (Radio-TV Workshop).** One credit.

Workshop experience in directing, producing, and acting in radio and television programs, and experience in control operation for radio; two hours per week.

**Speech 140. Technical Stage Problems.** Two credits.

Theory and practice in scenic design; special projects.

Prerequisite: Speech 40.

**Speech 151. Basic Procedures in Audiology.** Three credits.

Nature of hearing; measurement and evaluation of hearing acuity; supervised testing.

**Speech 152. Hearing Rehabilitation.** Three credits.

Fundamentals of auditory training; methods and practice in teaching lipreading.

**Speech 160. Organic and Related Speech Disorders.** Three credits.

Etiology and symptomatology of organic and related speech disorders that result in speech and language problems of children and adults; emphasis on cerebral palsy, aphasia, mental retardation, and other related language disorders.

Prerequisite: Speech 8 or consent of the instructor.

**Speech 161. Stuttering: Theories and Therapies.** Three credits.

Intensive study of causes and treatment of stuttering; practicum required.

**Speech 195. Clinical Practice.** One to three credits.

At least 40 hours of clinical practice will be required for each credit.

**Speech 199. Special Work.**

Upper class students majoring or minoring in Speech may, by agreement with their dean and the chairman of the Speech Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

## PROFESSIONAL STAFF

For the second semester, 1964-65. The date in parentheses indicates first year on staff.

- JAMES H. ALBERTSON (1962) *President*  
A.B., M.A., Colorado State College; Ed.D., Stanford University.
- FRIEDRICH P. ALBER (1963) *Assistant Professor of Foreign Language*  
A.B., Oberhandelsschule, Freiburg; M.A., Ph.D., University of Heidelberg.
- RUBY ALLEN (1965) (part time) *Lecturer in Education*  
B.S., Wisconsin State University-Stevens Point.
- HIRAM D. ANDERSON, JR. (1960) (part time) *Lecturer in Economics*  
Ph.B., LL.B., University of Wisconsin.
- ROBERT T. ANDERSON (1953) *Associate Professor of Geography*  
B.S., Wisconsin State University-Eau Claire; M.S., University of Wisconsin.
- OLIVER A. ANDREWS (1960) *Assistant Professor of Chemistry*  
B.S., Wisconsin State University-Stevens Point; M.S., University of Wisconsin.  
On teacher-improvement leave 1964-65.
- DONALD L. AYLESWORTH (1964) *Instructor in Speech*  
B.S., Western Michigan University; M.A., Michigan State University.
- MONICA E. BAINTEY (1947) *Professor of Physics*  
A.B., College of Saint Teresa; M.A., University of Minnesota; Ph.D., University of Wisconsin.
- MARY ANN BAIRD (1962) (part time) *Lecturer in Home Economics*  
B.S., Stout State University.
- JOHN W. BARNES (1956) *Associate Professor of Biology*  
B.S., Ohio University; M.S., University of Minnesota.
- ROBERT W. BASTIAN (1964) *Instructor in Geography*  
B.A., M.A., University of Minnesota.
- RICHARD E. BEARD (1964) *Associate Professor of Art*  
B.S., M.A., University of Wisconsin; Ph.D., Ohio State University.
- LLOYD H. BECK (1964) *Associate Professor of Psychology*  
A.B., A.M., Oberlin College; Ph.D., Brown University.
- GEORGE C. BECKER (1957) *Professor of Biology*  
B.A., M.A., M.S., Ph.D., University of Wisconsin.
- LEON E. BELL, JR. (1963) *Director, University Center*  
B.S., Virginia Military Institute.
- JOHN M. BERND (1964) *Associate Professor of Education*  
B.S., Wisconsin State University-La Crosse; Ph.M., Ph.D., University of Wisconsin.
- VERLENE BERND (1964) (part time) *Lecturer in English*  
B.S., Wisconsin State University, Eau Claire; M.S.L.S., University of Wisconsin.

- ESTHER M. BERNDT (1963) *Faculty Assistant in Education*  
B.E., Wisconsin State University-Stevens Point.
- MARY LOU BIDDLESTONE (1963) *Instructor in Physical Education*  
B.S., Pennsylvania State College, Slippery Rock; M.A., University of Minnesota.
- DEAN G. BLAIR (1958) *Associate Professor of Music*  
B.M., Stetson University; M.M., Eastman School of Music, University of Rochester.
- ALLEN F. BLOCHER (1958) *Associate Professor of Physics*  
B.S., McPherson College; M.S., University of Nebraska.  
On leave 1964-65.
- WILLIAM R. BOWEN (1964) *Assistant Professor of Biology*  
B.A., Grinnell College; M.S., Ph.D., State University of Iowa.
- KENNETH W. BOYLAN (1947) *Associate Professor of Mathematics*  
B.S., M.A., University of Minnesota.
- FRANCIS BREY (1962) *Instructor; Assistant Librarian*  
B.S., M.A., University of Wisconsin.
- EUGENE N. BRODHAGEN (1956) *Associate Professor of Physical Education*  
B.S., M.S., University of Wisconsin.
- MARTIN T. BROOKS (1964) *Residence Hall Director*  
B.S., Oregon State University; M.A., Washington State University.
- WILLIAM P. BURNS (1960) *Instructor in Physical Education*  
B.S., Wisconsin State University-La Crosse; M.S., University of Wisconsin.
- LEE A. BURRESS, JR. (1958) *Professor of English*  
A.B., University of Wichita; B.D., Garret Theological Seminary; Ph.D., Boston University.
- MAXINE BURRESS (1958) (part time) *Lecturer in English*  
A.B., McPherson College; M.A., University of Kansas.
- LELAND M. BURROUGHS (1920) (part time) *Professor Emeritus of English and Speech*  
B.A., Wabash College; M.A., University of Michigan.
- WILLIAM J. CABLE (1962) *Assistant Professor of Mathematics*  
B.S., Wisconsin State University-Stevens Point; M.S., University of Wisconsin; M.B.S., University of Colorado.
- ROBERT B. CANTRICK (1964) *Professor of Music; Dean, School of Fine Arts*  
A.B., M.A., University of Rochester; Ph.D., State University of Iowa.
- MARK CATES (1963) *Assistant Professor of Political Science*  
A.B., M.A., Indiana University.
- T. K. CHANG (1956) *Professor of Geography*  
B.A., Lingnan University; M.A., Yenching University; Ph.D., University of Nebraska.
- ABRAHAM CHAPMAN (1964) *Associate Professor of English*  
University of Chicago; C.Sc., Institute of Modern Philology (Prague).

## 148 WISCONSIN STATE UNIVERSITY

- BELLE CHAPMAN (1965) *Faculty Assistant; Information Services*  
University of Chicago.
- GERALD E. CHAPPELL (1962) *Assistant Professor of Speech*  
B.S., Kent State University; M.A., Northwestern University.  
On teacher improvement leave 1964-65.
- DARRELL A. CHRISTIE (1964) *Instructor in Economics*  
B.S., Jamestown College; M.S., University of Illinois.
- WILLIAM H. CLEMENTS (1955) *Professor of Education*  
B.S., Wisconsin State University-Stevens Point; M.S., Ph.D., University of Wisconsin.
- FAY FINCH CLIFFORD (1960) *Faculty Assistant in Home Economics*  
B.A., University of North Dakota; M.S., University of Wisconsin
- JEROME C. COATY (1963) *Instructor in Education*  
B.E., Wisconsin State University-Whitewater; M.A., University of Wisconsin.
- JACK G. COHAN (1964) *Instructor in Music*  
B.A., University of Manitoba; M.M., Indiana University.
- RICHARD L. CONLON (1964) *Assistant Professor of Mathematics*  
B.S., Creighton University; M.S., University of Michigan.
- FREDERICK A. COPEs (1964) *Faculty Assistant in Biology*  
B.S., Wisconsin State University-Stevens Point.
- HELEN M. CORNELI (1962) *Instructor in English*  
B.A., M.A., University of Illinois.
- DUAINE K. COUNSELL (1957) *Assistant Professor of Physical Education*  
B.S., Wisconsin State University-Stevens Point; M.S., University of Wisconsin.
- FRANK W. CROW (1947) *Professor of History*  
A.B., B.S., Northwest Missouri State Teachers College; Ph.M., Ph.D., University of Wisconsin.
- TOM G. CULTICE (1963) *Instructor in Music*  
B.M., University of Michigan; M.M., Indiana University.
- DORIS V. DAVIS (1952) *Associate Professor of Home Economics*  
A.B., Indiana University; M.S., University of Wisconsin.
- MILDRED DAVIS (1928) *Associate Professor of Foreign Language*  
A.B., M.A., State University of Iowa.
- WILLIAM M. DAWSON (1959) *Professor of Speech*  
B.E., Wisconsin State University-Whitewater; B.S., M.S., Ph.D., University of Wisconsin.
- ELIZABETH PFIFFNER DeBOT (1940) *Associate Professor; Associate Dean of Students*  
B.E., Wisconsin State University-Stevens Point; Ph.M., University of Wisconsin.
- LOREEN DeMETRO (1964) *Instructor in English*  
B.A., Long Island University; M.A., University of Wisconsin.
- JOHN E. DEVINE, JR. (1964) *Instructor in Education*  
B.A., M.A., American International College.

- DAVID J. DICK (1963) *Assistant Professor of Music*  
B.S., Ithaca College; M.M., Butler University.
- EVA LOU DILLIN (1960) *Instructor in Physical Education*  
B.S., Taylor University; M.A., Michigan State University.
- GEORGE I. J. DIXON (1954) *Professor of Sociology*  
B.A., M.A., Montana State University; Ph.D., University of Nebraska.
- ORTHULA DOESCHER (1964) *Assistant Professor of Home Economics*  
B.S., M.S., South Dakota State University.
- FRED R. DOWLING (1960) *Professor of Speech*  
B.S., Wisconsin State University-Oshkosh; Ph.M., Ph.D., University of Wisconsin.
- RICHARD W. DOXTATOR (1962) *Instructor in English*  
A.B., College of Emporia; M.A., Kansas State Teachers College.  
On teacher improvement leave 1964-65.
- JOAN DOYLE (1963) *Residence Hall Director*  
B.S., Wisconsin State University-Stevens Point.
- BURDETTE W. EAGON (1950) *Professor of Education;*  
*Dean, School of Education.*  
B.S., Wisconsin State University-Oshkosh; M.S., University of Wisconsin;  
Ed.D., George Peabody College for Teachers.
- JENNIFER J. EDDY (1964) *Instructor in Chemistry*  
B.A., B.S., M.S., Bemidji State College.
- AROL C. EPPLE (1946) *Associate Professor of Biology*  
B.S., M.S., University of Wisconsin.
- DORIS EPPLE (1959) (part time) *Lecturer in Mathematics*  
B.A., Lawrence University.
- RICHARD D. FACE (1963) *Associate Professor of History*  
B.A., M.A., University of Cincinnati; Ph.D., University of Wisconsin.
- MERL L. FARMER (1963) *Associate Professor of Economics*  
B.S.Ed., University of Idaho; M.A., University of Chicago; Ph.D., University of Illinois.
- GILBERT W. FAUST (1935) *Associate Professor of Chemistry;*  
*Director of Admissions and Registrar*  
B.S., M.S., University of Wisconsin.
- DONALD W. FERGUSON (1964) *Assistant Professor; Assistant Librarian*  
B.A., M.A., University of Western Ontario; B.A.L.S., University of Michigan.
- SYBIL B. FERGUSON (1965) (part time) *Lecturer in Speech*  
B.S., M.A., Northwestern University.
- ROGER J. FISHER (1964) *Assistant Professor of Sociology*  
B.A., University of Illinois.
- MICHAEL J. FORTUNE (1956) *Professor of English*  
B.S., Wisconsin State University-Stevens Point; M.A., University of Minnesota; Ph.D., University of Wisconsin.
- GARLAND W. FOTHERGILL (1956) *Associate Professor of Political Science*  
B.A., University of Texas; M.S., University of Wisconsin.

## 150 WISCONSIN STATE UNIVERSITY

- JAMES S. FRALISH (1964) *Instructor in Conservation*  
B.S., M.S., Michigan State University.
- PAUL A. FRIEDMAN (1964) *Instructor in English*  
B.S., University of Illinois; M.F.A., University of Iowa.
- JOHN J. GACH (1960) *Associate Professor of Education;*  
*Director of Student Teaching.*  
B.A., Beloit College; M.A., Northwestern University.
- GORDON E. GEESEMAN (1962) *Assistant Professor of Biology*  
B.S., M.S., University of Illinois; Ph.D., University of Wisconsin.
- GUY J. GIBSON (1957) *Professor of History*  
B.A., University of Wisconsin; M.A., Ph.D., University of Illinois.
- SUSHILA J. GIDWANI (1962) *Assistant Professor of Economics*  
B.S., University of Bombay; M.B.A., Ph.D., University of Minnesota.
- JOHN D. GILLESBY (1958) *Assistant Professor; Assistant Librarian*  
A.B., Alma College; M.A.L.S., University of Michigan.
- VIOLA GINZL (1964) *Faculty Assistant; Assistant Librarian*  
B.S., Wisconsin State University-Stevens Point.
- BERTHA GLENNON (1940) *Associate Professor of English*  
B.A., M.A., University of Wisconsin.
- JOHN N. GOLUBOWICZ (1964) *Instructor in English*  
B.A., M.A., State University of Iowa.
- JAMES C. GOODWIN (1964) *Residence Hall Director*  
Southern Illinois University; Wisconsin State University-Stevens Point.
- RAYMOND E. GOTHAM (1946) *Professor of Education;*  
*Director, Extended Services*  
B.S., Ph.M., Ph.D., University of Wisconsin.
- A. IRENE GRAY (1961) *Associate Professor of Education*  
B.S., Black Hills Teachers College; M.S., University of Wisconsin.  
On teacher improvement leave 1964-65.
- RODERICK T. GROVES (1965) *Assistant Professor of Political Science*  
B.S., Ph.D., University of Wisconsin.
- RONALD A. HACHET (1962) *Director of Student Activities.*  
B.S., M.A., Ball State University.
- GORDON HAFFERBECKER (1956) *Professor of Economics;*  
*Vice President for Academic Affairs and Dean of Faculties.*  
B.E., Wisconsin State University-Stevens Point; M.A., Northwestern University; Ph.D., University of Wisconsin.
- FREDRICK C. HAGERMAN (1964) *Assistant Professor of Physical Education*  
B.S., Wisconsin State University-La Crosse; M.A., Ph.D., Ohio State University.
- HELEN I. HANSEN (1958) *Assistant Professor; the University Nurse*  
B.S., R.N., University of Wisconsin.
- MILO I. HARPSTEAD (1961) *Associate Professor of Conservation*  
B.S., M.S., South Dakota State University; Ph.D., University of Minnesota.
- ALBERT E. HARRIS (1941) *Associate Professor of Psychology*  
B.E., Wisconsin State University-La Crosse; Ph.M., University of Wisconsin.



- THOMAS J. HAYES (1959) *Assistant Professor of Education*  
Ph.B., Northland College; M.S., University of Wisconsin.
- ELEANOR W. HAYS (1962) (part time) *Lecturer in English*  
B.A., Western Reserve University; M.A., Columbia University.
- RHYS W. HAYS (1961) *Associate Professor of History*  
B.A., Columbia College; B. D., Union Theological Seminary; Ph.D., Columbia University.
- WAYNE E. HELGERSON (1964) (part time) *Lecturer in Engineering Graphics*  
B.S.C.E., University of Mississippi School of Mines.
- ETHEL V. HILL (1956) *Associate Professor of Home Economics*  
B.S., Wisconsin State University-Stevens Point; M.A., Columbia University.
- DONALD J. HOFF (1964) *Instructor in Physical Education*  
B.S., Wisconsin State University-Platteville; M.S., University of Wisconsin.
- RALPH S. HOLLOWAY (1963) *Professor of Sociology*  
B.A., University of Toledo; M.A., Ph.D., State University of Iowa.
- DANIEL C. HOULIHAN (1964) *Assistant Professor of Journalism; Director of Information Services*  
B.A., St. Johns University; M.S., State University of New York, New Paltz.
- GEORGE P. INMAN, JR. (1963) *Instructor in English*  
B.S., M.A., State University of Iowa.
- PAULINE ISAACSON (1946) *Professor of Speech*  
B.E., Wisconsin State University-River Falls; M.A., University of Wisconsin; Ph.D., University of Minnesota.
- WARREN G. JENKINS (1934) *Professor of History; Dean, School of Letters and Science*  
A.B., Miami University; M.A., Ph.D., University of Wisconsin.
- JAMES E. JENSEN (1958) *Professor of Economics*  
B.A., M.A., Ph.D., University of Wisconsin.
- GERALD F. JOHNSON (1963) *Associate Professor of Speech*  
B.S., M.A., Western Michigan University; Ph.D., Michigan State University.
- AGNES A. JONES (1956) *Professor of Home Economics*  
B.S., M.S., Ph.D., University of Wisconsin.
- LAWRENCE G. KALLANDER (1959) *Professor of Chemistry*  
B.A., St. Olaf College; M.S., Ph.D., Michigan State University.
- ALEXANDRA KAMINSKA (1963) *Associate Professor of Foreign Language*  
M.A., University of Lwow; Translator's Degree, University of Geneva.
- NELIS R. KAMPENGA (1941) *Professor of Library Science; Librarian*  
A.B.L.S., A.M.L.S., University of Michigan.
- JOHN D. KAPTER (1962) *Assistant Professor of Geography*  
B.S., M.S., Northern Illinois University.
- MELVIN J. KARG (1964) *Residence Hall Director*  
B.S., Wisconsin State University-Stevens Point.

## 152 WISCONSIN STATE UNIVERSITY

- NORMAN E. KEATS (1956) *Assistant Professor of Art*  
B.S., University of Wisconsin-Milwaukee; M.S., University of Wisconsin.
- LULU O. KELLOGG (1953) *Assistant Professor of Education*  
B.E., Wisconsin State University-Stevens Point; M.A., University of Chicago.
- VIVIAN A. KELLOGG (1953) *Assistant Professor of Education*  
B.E., Wisconsin State University-Stevens Point; M.A., Northwestern University.
- MARJORIE S. KERST (1948) *Associate Professor of Education*  
B.E., Wisconsin State University-Stevens Point; M.S., University of Wisconsin.
- ROBERT J. KNOWLTON (1962) *Assistant Professor of History*  
B.A., Miami University; M.A., Western Reserve University; Ph.D., State University of Iowa.
- NORMAN E. KNUTZEN (1931) (part time) *Associate Professor Emeritus of English*  
A.B., A.M., Lawrence University.
- DONALD B. KOEPPE (1961) *Associate Professor of Business Education*  
B.E., Wisconsin State University-Whitewater; M.S., University of Wisconsin.
- IRVING L. KORTH (1962) *Assistant Professor of Conservation*  
B.S., Wisconsin State University-Stevens Point; M.S., University of Wisconsin.
- HAZEL M. KOSKENLINNA (1961) *Instructor in English*  
B.S., M.S., University of Wisconsin.  
On teacher improvement leave 1964-65.
- ELIZABETH BOYENTON KRAMER (1964) (part time) *Lecturer in English*  
B.A., College of William and Mary; M.A., Rutgers University.
- WILLIAM C. KRAMER (1964) *Associate Professor of Speech*  
B.A., University of Virginia; M.A., Columbia University.
- FREDERICH A. KREMPLE (1948) *Professor of History*  
B.E., Wisconsin State University-Superior; M.A., Ph.D., University of Minnesota.
- PETER A. KRONER (1954) *Professor of Foreign Language*  
A.B., M.A., University of Bucharest; Ph.D., University of Erlangen.
- ROBERT H. KRUEGER (1962) *Assistant Professor of Physical Education*  
B.S., M.S., University of Wisconsin.
- GREGORY S. KULAS (1961) *Instructor in Physics*  
B.S., M.S., Marquette University.
- HILDEGARD R. KUSE (1957) *Professor of Education*  
B.E., Wisconsin State University-Stevens Point; M.A., State University of Iowa; Ph.D., University of Colorado.
- LEONARD L. LAMPERT (1959) (part time) *Lecturer in Engineering Graphics*  
B.S., Colorado State University.

- C. MARVIN LANG (1964) *Instructor in Chemistry*  
B.S., Elmhurst College; M.S., University of Wisconsin.
- JOHN A. LARSEN (1964) *Instructor in Physical Education;*  
*Admissions Counselor*  
B.S., Wisconsin State University-LaCrosse; M.S., Stout State University.
- S. PETER LEAHY (1964) *Faculty Assistant in Foreign Language*  
B.S., Wisconsin State University-Stevens Point.
- JAMES A. LEE (1963) *Associate Professor of Psychology*  
B.A., University of Kentucky; M.A., Wayne State University; Ph.D., Purdue University.
- ALAN D. LEHMAN (1963) *Professor of English*  
B.S., College of the City of New York; M.A., Ph.D., University of Iowa.
- ROBERT S. LEWIS (1942) *Associate Professor of Education;*  
*Director, Audio-Visual Services*  
B.A., B.S., M.A., University of Wisconsin.
- MATTHEW J. P. LIU (1961) *Assistant Professor of Mathematics*  
B.S., Lafayette College; M.S., Illinois Institute of Technology.
- RONALD A. LOKKEN (1964) *Instructor in Physics*  
B.S., Valley City State College; M.S., University of North Dakota.
- HARRY T. LOOMER, JR. (1964) *Instructor in Geography*  
B.S., Wisconsin State University-Eau Claire; M.A., Michigan State University.
- WARREN W. LUTZ (1963) *Associate Professor of Music*  
B.M., University of Illinois; M.A., University of Kentucky; Ed.D., University of Illinois.
- GERRY M. LYNCH (1964) *Faculty Assistant in Conservation*  
B.S., Wisconsin State University-Stevens Point.
- HUGO D. MARPLE (1954) *Professor of Music*  
A.B., West Liberty State College; M.M., University of Michigan; Ph.D., Eastman School of Music, University of Rochester.
- SYBLE E. MASON (1930) *Associate Professor; Assistant Librarian*  
B.E., Wisconsin State University-Stevens Point; Graduate of University of Wisconsin Library School; M.S., University of Illinois.
- BONNIE B. McDONALD (1964) *Assistant Professor of Home Economics*  
B.S., Mississippi State College for Women; M.S., University of Tennessee.
- WILLIAM M. MCKINNEY (1963) *Associate Professor of Geography*  
B.A., New School; M.A., Ph.D., University of Florida.
- ELVIN McLOTT (1960) *Assistant Professor of Music*  
B.M., M.M., University of Michigan.
- JACQUELINE McQUILLIAN (1963) *Residence Hall Director*  
B.S., Ball State University.
- JOEL C. MICKELSON (1958) *Associate Professor of English*  
B.A., University of Minnesota; M.A., Ph.D., University of Pennsylvania.
- ARLO E. MOEHLNPAH (1961) *Instructor in Chemistry*  
B.S.Ch.E., Washington University; M.S.Ch.E., University of Minnesota.

## 154 WISCONSIN STATE UNIVERSITY

- CLIFFORD A. MORRISON (1953) *Professor of History*  
B.S., M.A., Ph.D., Ohio State University.
- JOHN P. NELSON (1964) *Instructor in Education;*  
*Staff Associate, Student Affairs*  
B.S., M.S., Montana State College.
- RUSSELL S. NELSON, JR. (1963) *Assistant Professor of History*  
B.A., Franklin & Marshall College; M.A., University of Wisconsin.
- JAMES G. NEWMAN (1961) *Assistant Professor of Conservation*  
B.S., Michigan State University; M.S., University of Akron.  
On teacher improvement leave 1964-1965.
- CLYDE D. NORTON (1961) (part time) *Associate Professor of Psychology*  
B.S., M.A., Northwestern University.
- FRANCES J. NORTON (1961) *Associate Professor of Psychology*  
B.S., M.A., University of Kansas City; Ph.D., State University of Iowa.
- EDNA E. NYQUIST (1955) *Associate Professor of English*  
A.B., McPherson College; A.M., University of Kansas.
- ROBERT E. OLESEN (1963) *Instructor in Sociology*  
B.A., Upper Iowa University.
- RUSSELL L. OLIVER (1964) *Assistant Professor of Education*  
B.S., Wisconsin State University-Eau Claire; A.M., University of Minnesota; Ed.D., Colorado State College.
- MARCIA H. OLSON (1964) *Counseling Services*  
B.A., Willamette University; M.A., University of Minnesota.
- JOHN J. OSTER (1962) *Assistant Professor of Political Science*  
A.B., DePauw University; M.A., Indiana University.
- LEONE OYSTER (1962) *Assistant Professor of Chemistry*  
B.A., Ripon College; M.A., University of Wisconsin.
- ALICE M. PADDEN (1960) *Assistant Professor; Assistant Librarian*  
B.A., College of Saint Teresa; M.A., Florida State University.
- FRANKLIN H. PEARSON (1956) *Assistant Professor of Education*  
B.E., Wisconsin State University-Stevens Point; M.A., Colorado State College.
- ALICE L. PEET (1961) *Professor of Speech*  
B.S., M.A., Ph.D., University of Wisconsin.
- MAURICE E. PERRET (1963) *Associate Professor of Geography*  
B.A., University of Neuchâtel; M.A., University of California; Ph.D., University of Lausanne.
- JAMES K. PHILLIPS (1964) *Assistant Professor of Sociology*  
B.A., Miami University; M.A., University of Wisconsin.
- EDGAR F. PIERSON (1938) *Professor of Biology; Dean, Graduate Programs; Director, Summer Session*  
B.S. Iowa Wesleyan College; M.S., Ph.D., University of Iowa.
- HALE F. QUANDT (1947) *Associate Professor of Physical Education*  
B.A., University of Iowa; M.A., University of Michigan.

- ORLAND E. RADKE (1956) *Assistant Professor;*  
*Associate Dean of Students*  
B.S., Wisconsin State University-Stevens Point; M.S., University of Wisconsin.
- PHYLLIS RAVEY (1952) *Assistant Professor of Education*  
B.E., Wisconsin State University-Stevens Point; M.S., University of Wisconsin.
- RITA RESCH (1965) *Assistant Professor of Music*  
B.S., Minot State College; M.M., Eastman School of Music, University of Rochester.
- ORVILLE M. RICE (1956) *Associate Professor of Mathematics*  
B.E., Eastern Illinois University; M.S., University of Illinois.
- WILFRED G. RICHERT (1963) *Assistant Professor of English*  
B.A., Tabor College; M.A., University of Wichita.
- VERA RIMNAC (1964) *Instructor in Physical Education*  
B.S., University of Illinois.
- JOSEPH J. RONDY (1961) *Professor of English*  
Ph.B., St. Viator College; M.A., Ph.D., University of Illinois.
- RUTH DORGAN RONDY (1962) (part time) *Lecturer in English*  
B.A., M.A., Louisiana State University.
- GRACE E. ROSENTHAL (1963) *Residence Hall Director*
- ROBERT J. ROSENTHAL (1963) *Instructor in Philosophy*  
B.A., St. Olaf College.
- HENRY M. RUNKE (1953) *Associate Professor of Art*  
B.S., M.S., University of Wisconsin.
- DONALD V. RUPERT (1956) *Associate Professor of Music*  
B.M., M.M., A.M.D., Eastman School of Music, University of Rochester.
- ROBERT P. RUSSELL (1963) *Instructor in Art*  
B.F.A., Kansas City Art Institute; M.F.A., Southern Illinois University.
- MARY S. SAMTER (1943) *Associate Professor of Education*  
B.E., Western Illinois University; M.A., State University of Iowa.
- HERBERT H. SANDMANN (1960) *Assistant Professor of Art*  
B.S., University of Wisconsin-Milwaukee; M.S., University of Wisconsin.
- CAROLYN ANN SANDS *Instructor in Home Economics and Art*  
B.S., Iowa State University; M.A., University of Minnesota.
- MARJORIE M. SCHELFHOUT (1955) *Assistant Professor of Physical Education*  
B.S., St. Cloud State College; M.Ed., University of Minnesota.
- KURT R. SCHMELLER (1962) *Assistant Professor of History;*  
*Assistant to the President*  
A.B., Bates College; M.A., Ph.D., Princeton University.
- CALVIN H. SCHMID (1963) *Assistant Professor of Chemistry*  
B.A., University of Wisconsin; M.A., University of Texas.
- RICHARD C. SCHNEIDER (1962) *Assistant Professor of Art*  
B.S., University of Wisconsin-Milwaukee; M.S., University of Wisconsin.
- JOSEPH L. SCHULER, JR. (1957) *Assistant Professor of Philosophy*  
B.A., Texas Christian University; M.S., University of Wisconsin.

## 156 WISCONSIN STATE UNIVERSITY

- ROBERT K. SEARLES (1962) *Instructor in Biology*  
B.S., Wisconsin State University-Stevens Point; M.S., University of Michigan.
- DAVID L. SENGENDERGER (1964) *Instructor in Geography*  
Ph.B., Northwestern University; M.A., University of Oklahoma.
- MARGOT M. SENGENDERGER (1964) (part time) *Lecturer in Mathematics*  
B.A., Northwestern University.
- IRENE E. SHAURETTE (1964) *Faculty Assistant in Music*  
B.S., Wisconsin State University-Stevens Point.
- ELWIN W. SIGMUND (1956) *Professor of History*  
B.S., University of Wisconsin-Milwaukee; M.A., Ph.D., University of Illinois.
- ROBERT E. SIMPSON (1956) *Associate Professor of Biology*  
B.A., M.S., State University of Iowa.
- HARRY H. SMITH (1963) *Assistant Professor of Biology*  
B.S., M.S., University of Wisconsin.
- HARRY R. SMITH (1964) *Residence Hall Director*  
B.A., M.A., Michigan State University.
- MARY ELIZABETH SMITH (1950) *Professor of English*  
B.A., Yankton College; M.A., University of Minnesota; Ph.D., University of Iowa.
- TERRENCE J. SNOWDEN (1963) *Associate Professor of Education;*  
*Director, Campus Laboratory School*  
B.S., Wisconsin State University-Oshkosh; M.S., Ph.D., University of Wisconsin.
- FRANCISCO H. SOLINIS (1964) *Assistant Professor of Foreign Language*  
Bacc., Académie de Toulouse; Masters, Université de Toulouse.
- RAYMOND A. SOMMERS (1962) *Assistant Professor of Chemistry*  
B.S., Wisconsin State University-Stevens Point; M.S., Ph.D., The Institute of Paper Chemistry, Lawrence University.
- MILTON E. SORENSEN (1963) *Assistant Professor of Economics;*  
*Vice President for Business Affairs*  
B.S., University of Kentucky; M.B.A., University of Wisconsin.
- WACLAW W. SOROKA (1963) *Associate Professor of History*  
Bacc., State Lycée, Hrubieszow, Poland; L.L.M., Catholic University of Lublin; A.M., Indiana University; J.D., Louvain University.
- ZOFIA A. SOROKA (1964) (part time) *Lecturer; Assistant Librarian*  
Bacc., Jaroslaw Lycée, Poland; M.A., Indiana University.
- RAYMOND E. SPECHT (1947) *Associate Professor of Geography*  
B.S., Wisconsin State University-Oshkosh; M.A., Clark University.
- EARL E. STEVENS (1964) *Associate Professor of English*  
A.B., Indiana University; M.A., University of Michigan; Ph.D., University of North Carolina.
- PAUL A. TARABEK (1963) *Assistant Professor of Music*  
B.M., Wayne State University; M.M., Eastman School of Music, University of Rochester.

- ALLEN G. TAYLOR (1964) *Instructor in Physics*  
B.S., Northern Illinois University; M.S., University of Kansas.
- JOHN M. THOMAS (1963) *Assistant Professor of Music*  
B.M., Southwestern Kansas College; M.M., Wichita University.
- MARY ELIZABETH THOMPSON (1956) *Associate Professor of Speech*  
B.A., Carroll College; M.A., Ph.D., Northwestern University.
- H. HOWARD THOYRE (1962) *Associate Professor of Mathematics*  
B.S., Minot State Teachers College; M.A., Louisiana State University.
- NEAL R. TOWNSEND (1963) *Assistant Professor of Mathematics*  
B.S., Wisconsin State University-Oshkosh; M.A., San Diego State College.
- EDITH S. TREUENFELS (1957) *Professor of Mathematics*  
Ph.D., University of Wisconsin.
- ROLAND A. TRYTTEN (1945) *Professor of Chemistry*  
B.A., St. Olaf College; Ph.D., University of Wisconsin.
- MARSHALL B. TYMN (1964) *Instructor in English*  
A.B., M.A., Wayne State University.
- ROBERT C. VAN NUYS (1963) *Assistant Professor of Music*  
B.M., Indiana University; M.M., University of Illinois.
- NORMAN C. WACKER (1963) *Instructor in English*  
B.A., University of Connecticut; M.A., University of Iowa.
- EDWARD J. WALTER (1965) *Faculty Assistant, Audio-Visual Services*  
B.S., Wisconsin State University-Stevens Point.
- ROBERT H. WEAVER (1961) *Associate Professor of Chemistry*  
B.S., Wesleyan College of West Virginia; M.S., Ph.D., University of Maryland.
- BERNARD L. WEBB (1963) (part time) *Lecturer in Economics*  
B.S., M.S., University of Richmond.
- JOHN F. WEILER (1963) *Assistant Professor of Mathematics*  
B.A., St. Norbert College; M.A., University of Wisconsin.
- WADE WELLMAN (1964) *Instructor in English*  
A.B., M.A., University of North Carolina.
- ROBERT S. WHITMIRE (1957) *Associate Professor of Biology*  
A.B., University of Kansas City; M.A., University of Arkansas.
- CARL B. WIEMANN (1962) *Associate Professor of Education;*  
*Director, Counseling and Psychological Services*  
B.S., Wisconsin State University-Stevens Point; M.A., Ed.D., Colorado State College.
- BERNARD F. WIEVEL (1947) *Professor of Conservation*  
B.E., Wisconsin State University-Platteville; M.S., Ph.D., Iowa State University.
- ROBERT F. WILDE (1957) *Associate Professor of Biology*  
B.A., University of Wisconsin; M.S., Marquette University.
- MILDREDE L. WILLIAMS (1940) *Assistant Professor of Education*  
B.A., Iowa State Teachers College; M.A., Columbia University.
- ANITA ANDRAE WRAY (1958) (part time) *Lecturer in Music*  
Milwaukee-Downer College.

## 158 WISCONSIN STATE UNIVERSITY

- DAVID ROGER WRONE (1964) *Assistant Professor of History*  
B.S., A.M., Ph.D., University of Illinois.
- PAUL A. YAMBERT (1957) *Professor of Conservation;*  
*Dean, School of Applied Arts and Science*  
B.S., M.S., M.A., Ph.D., University of Michigan.
- CARL H. YODER (1957) *Assistant Professor of Music*  
B.M.E., North Central College; M.S., University of Wisconsin.  
On teacher improvement leave 1964-65.
- JOHN YUTHAS (1964) *Professor of Psychology;*  
*Vice President for Student Affairs*  
B.A., University of Wyoming; M.A., Michigan State University; Ph.D.,  
Purdue University.
- ROBERT H. ZIEGER (1964) *Assistant Professor of History*  
B.A., Montclair State College; M.A., University of Wyoming; Ph.D.,  
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## 160 WISCONSIN STATE UNIVERSITY

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### **CHAIRMAN OF ACADEMIC DEPARTMENTS:**

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Biology: Mr. Simpson.

Business Education: Mr. Koeppen.

Chemistry: Mr. Trytten.

Conservation: Mr. Wievel.

Economics: Mr. Jensen.

Education: Mr. Eagon.

English: Mr. Burress.

Foreign Language: Mr. Kroner.

Geography: Mr. R. Anderson.

History: Mr. Crow.

Home Economics: Mrs. Jones.

Library Science: Mr. Kampenga.

Mathematics: Mr. Boylan.

Music: Mr. Marple.

Physical Education: Mr. Brodhagen.

Physics: Miss Bainter.

Political Science: Mr. Fothergill.

Psychology and Philosophy: Mr. Harris.

Sociology and Anthropology: Mr. Holloway.

Speech and Drama: Miss Peet, acting.

### **STUDENT COUNCIL ADVISER:**

Mr. Becker.

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Leon E. Bell, Jr. ....	Director of the University Center
Robert B. Cantrick .....	Dean of the School of Fine Arts
Elizabeth Pfiffner DeBot .....	Associate Dean of Students
Burdette W. Eagon .....	Dean of the School of Education
Gilbert W. Faust .....	Director of Admissions and Registrar
John J. Gach .....	Director of Student Teaching
Raymond E. Gotham .....	Director of Extended Services
Ronald A. Hachet .....	Director of Student Activities
Gordon Haferbecker .....	Vice President for Academic Affairs and Dean of Faculties
Daniel C. Houlihan .....	Director of Information Services
Warren G. Jenkins .....	Dean of the School of Letters and Science
Nelis R. Kampenga .....	Librarian
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Edgar F. Pierson .....	Dean of Graduate Programs; Director of Summer Sessions
Orland E. Radke .....	Associate Dean of Students
Kurt R. Schmeller .....	Assistant to the President
Robert H. Slater .....	Director of Health Services
Terrence J. Snowden .....	Director of the Campus Laboratory School
Milton E. Sorensen .....	Vice President for Business Affairs
Carl B. Wiemann .....	Director of Counseling and Psychological Services
Paul A. Yambert .....	Dean of the School of Applied Arts and Science
John Yuthas .....	Vice President for Student Affairs
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## HEALTH SERVICES

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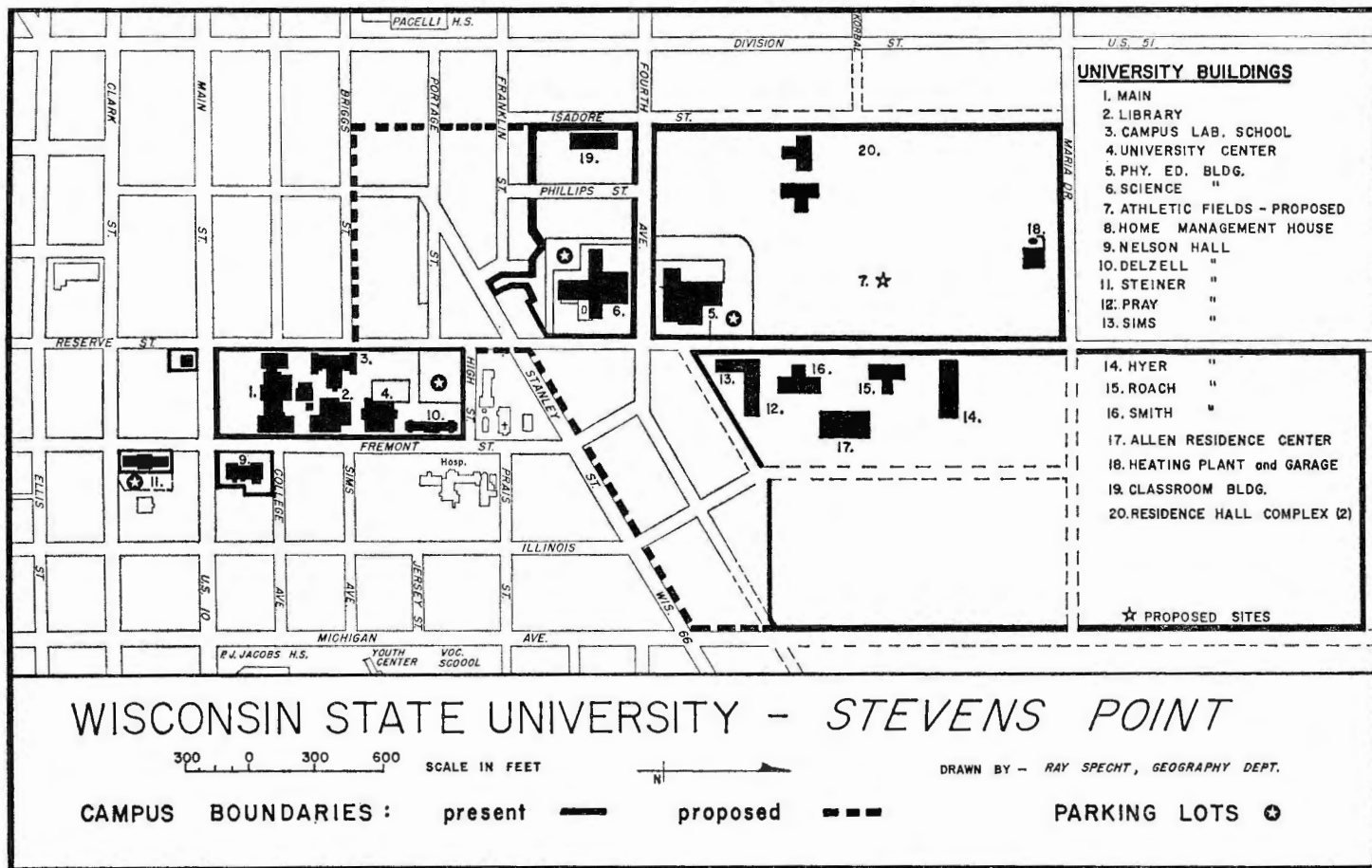
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## INDEX

Absences .....	39
Academic Affairs .....	44
Academic regulations .....	32
Accounting .....	80
Accreditation .....	1, 59
Activity fee .....	21
ACT test .....	28
Administrative appointments .....	161
Administrative organization .....	44
Administrative staff .....	162
Admission to the university .....	28
Admission to the School of Education .....	48
Adult special students .....	30
Advanced standing .....	29
Advisers .....	32, 62
American Civilization .....	74
Anatomy .....	79, 129
Anthropology .....	44, 71, 137, 138
Applied Arts & Science .....	44, 45, 62
Art .....	44, 60, 75
Art exhibitions .....	16
Associated Women Students (AWS) .....	16
Astronomy .....	77
Athletics .....	16
Attendance .....	39
Awards .....	25
Bachelor of Arts degree, Fine Arts .....	61
Bachelor of Arts degree, General Course .....	63
Bachelor of Music degree .....	120, 122
Bachelor of Science degree, Applied Arts & Science .....	46
Bachelor of Science degree, Education .....	49
Bachelor of Science degree, Fine Arts .....	61
Bachelor of Science degree, General Course .....	64
Bacteriology .....	79
Biochemistry .....	85
Biology .....	44, 77
Board .....	22
Board of Regents .....	163
Book rental fee .....	21
Business .....	44
Business Administration .....	80
Business affairs .....	44
Business Education .....	44, 45, 82
Calendar .....	2-4
Campus .....	8, 164

## 166 WISCONSIN STATE UNIVERSITY

Change of registration, change of program .....	37
Chemical Engineering .....	84
Chemistry .....	44, 84
Certification for teaching .....	59
Classification .....	35, 69
College Union (see University Center)	
Colloquium .....	86
Commencement .....	39
Committees .....	159
Conduct .....	39
Conservation .....	44, 45, 54, 86
Cooperative Marketing .....	54, 92
Coordinating Committee for Higher Education .....	163
Counseling .....	12, 32, 62
County teachers college graduates .....	53
Course descriptions .....	73-145
Credentials .....	72
Credit .....	32
Definitions .....	5, 6
Degrees .....	46, 49, 63, 64
Dentistry .....	69
Departments of instruction .....	44
Dining services .....	22
Dismissal from the university .....	35, 40
Dramatics .....	17
Eagle River Camp .....	42
Economics .....	44, 91
Education .....	44, 48, 70, 93
Elementary education .....	48, 51
Employment .....	23
Engineering .....	70
Engineering Graphics .....	96
English .....	44, 97
Entrance requirements .....	28, 29, 30
Expenses .....	21
Extension classes .....	21, 41
Extra-curricular activities .....	19
Faculty .....	146-158
Faculty committees .....	159-160
Faculty officers .....	158
Fees .....	21, 22
Financial aids .....	23
Fine Arts .....	44, 60, 62
Forensics .....	17
Foreign Language .....	44
Forestry .....	45, 90
Fraternities .....	13



French .....	101
Freshman orientation .....	20
Freshman studies .....	66
General course .....	63, 64
General Science .....	102
Geography .....	44, 103
German .....	105
Goals, statement of .....	7
Grade point average .....	34
Grade reports .....	38
Grading system .....	33
Graduate Faculty officers .....	160
Graduate study .....	43
Graduation fee .....	22
Graduation requirements .....	39, 46, 49, 61, 63, 64
Health services .....	11, 162
Hearing clinic .....	12
History .....	44, 106
Home Economics .....	44, 45, 110
Honors .....	24
Honor societies .....	24
Hospitalization .....	12, 21
Housing .....	11, 22
Identification card .....	22
Incidental fees .....	21
Incompletes .....	34
Instructional departments .....	44
Intermediate education .....	48, 52
Journalism .....	70, 114
Kindergarten education .....	48, 51
Laboratory school .....	9, 44
Late registration .....	22, 30
Latin American Studies .....	114
Law .....	70
Letters & Science .....	44, 62
Liberal Arts .....	62
Library .....	9
Library Science .....	115
Loan funds .....	23
Major study .....	32, 45, 54, 68
Map .....	164
Master of Science degree .....	43
Mathematics .....	44, 116
Meal service .....	22
Medical Technology .....	45, 119
Medicine .....	71
Minor study .....	32, 54, 68

## 168 WISCONSIN STATE UNIVERSITY

Mortuary Science .....	71
Music .....	18, 44, 60, 120
Music organizations .....	18, 120
Non-resident fee .....	21
Nursing .....	45
Office hours .....	10
Orientation .....	20
Outdoor education workshop .....	141
Parking .....	10
Permit to enroll .....	29
Philosophy .....	44, 125
Physical Education .....	45, 127
Physics .....	44, 130
Physiology .....	78, 129
Pigeon Lake .....	42
Placement services .....	72
Point-credit ratio .....	34
Political clubs .....	13
Political Science .....	44, 132
Pre-professional study .....	69
Primary education .....	51
Probation .....	35
Professional organizations .....	14
Psychology .....	44, 134
Publications, student .....	18
Purposes, statement of .....	7
Radio and television .....	18, 142, 144
Re-admission .....	30, 35
Refunds .....	21
Regents .....	163
Regulations .....	19, 32
Religious organizations .....	18
Reports, grade .....	38
Research .....	70
Residence halls .....	10, 11, 22, 162
Residence requirements (academic) .....	40
Room and board .....	11, 22
Russian .....	136
Saturday classes .....	41
Scholarships .....	23, 26, 30
School of Applied Arts & Science .....	44, 45, 62
School of Education .....	44, 48
School of Fine Arts .....	44, 60, 62
School of Letters & Science .....	44, 62
Science .....	70
Scientific research .....	70
Secondary education .....	48, 54

Semester hour .....	32
Social Administration .....	71
Social clubs .....	13
Social Science .....	136
Social Work .....	71
Sociology .....	44, 137
Sororities .....	13
Spanish .....	141
Special Studies .....	141
Speech .....	44, 60, 142
Speech and hearing clinic .....	12
Speech and drama workshop .....	141, 142
Student activities .....	11
Student affairs .....	44
Student senate .....	13
Student teaching .....	44, 56, 96
Student Union (see University Center)	
Study load .....	33
Summer camp sessions (conservation) .....	42, 88
Summer session .....	43
Summer Theater .....	17
Surveying .....	117
Suspension .....	35, 40
Teaching, certification for .....	59
Television .....	18
Terminology .....	5, 6
Textbook rental .....	21
Transcripts .....	38
Transfer of credit .....	41
Transfer students .....	29, 36
Travel Study .....	141
Trees for Tomorrow .....	42
Tuition .....	21
Twenty credit rule .....	68
University Center .....	9, 12, 14, 21, 163
Upper elementary education .....	48, 52
Withdrawal .....	33, 34, 38