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This catalog has been written and designed to answer most of the questions which might be asked about Augsburg College and its curriculum. Although all copy was correct at the time of publication, information in the catalog is subject to change without notice.

Glossary of Terms

This Augsburg College catalog is designed to give you the information you need to know as a student or prospective student. In it you will find most of the answers to questions you may have about Augsburg. If you have others, please feel free to write or phone the Office of Admissions at the College.

Certain terms used in this catalog may be unfamiliar to you. We hope the following brief definitions will be helpful.

- ACADEMIC.....The practices, principles, regulations, and customs which characterize school and college.
- COURSE.....A subject studied during one semester or interim such as "Community Development and Organization." Four courses are taken each semester at Augsburg and one is studied during the interim in January.
- MAJOR.....A concentration of study in one area. Augsburg offers majors in 18 departments.
- MINOR.....A concentration in a field of study in less depth than the major.
- ELECTIVE.....A course not required for the major or minor but taken by the student from any college department as his interests dictate.
- FEE.....Charges made by the College for special services such as laboratory equipment or locker rental.
- LOAN.....Money a student borrows for college expenses and later repays. See "Financial Aid."
- SCHOLARSHIP....Financial assistance received by a student based on high school performance in and out of the classroom, college standing, or the result of special tests such as the SAT or ACT. Scholarships vary in amounts and length of duration. The amount generally depends upon the financial need of the student. There is no obligation to repay. The same criteria are used for Grants-In-Aid.
- SEMESTER.....The College operates on a 4-1-4 calendar. Each semester is 15 weeks in length and the interim is 4 weeks.
- PREREQUISITE...A course which a student is required to complete before another one may be taken. The prerequisite course may be either in the same or another department.

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Introduction

There are few colleges that combine the excitement and vitality of a metropolitan center with the smallness and intimacy of the rural setting. Augsburg is one of these few, very special colleges that can offer you both.

The small college atmosphere enables you to be a participant or a spectator at a variety of events and activities. Exhibitions, concerts, films, and lectures are regularly available to you on campus. Through the intercollegiate or intramural athletic programs you may choose participation in athletics.

Religious activities are a vital part of the campus. The Religious Life Commission assists in planning daily chapel services which students may attend voluntarily.

You, the student, are an individual at Augsburg. You design your own learning experience. While distributional and major requirements act as guidelines, there is latitude for you to design much of your own education.

At Augsburg, the innovative and experimental as well as the individual are central. The College follows the calendar known as the "4-1-4."

In the study of the liberal arts, you will encounter ideas and experiences from the whole range of human knowledge. The liberal arts education, however, is more than an accumulation of knowledge from a number of fields. Augsburg recognizes that concentration is necessary in your chosen field. You may choose from 33 majors for hundreds of career possibilities.

Augsburg is in the center of the Twin Cities of Minneapolis and St. Paul. In this metropolitan setting, a rich kaleidoscope of resources and activities are available to enrich your education. You may choose an evening at the Tyrone Guthrie Theater, the Brave New Workshop, or at any of the many galleries or coffee houses. You may choose a concert by the Minnesota Orchestra at nearby Northrop Auditorium or one by the many professional touring groups that appear in the Twin Cities. There are numerous opportunities for individual and team sports. Professional sports are also available - the Twins, the Vikings, the North Stars, and the Fighting Saints.

Thus, Augsburg is a distinctive combination: a strong academic program, a capable and dedicated staff, an eager student body, and a remarkable location.

The College

Identification

Augsburg is a four-year liberal arts college affiliated with the American Lutheran Church (ALC). Founded more than 100 years ago, Augsburg celebrated its centennial in 1969 and is in its second century of Christian higher education.

The current student body of 1600 is largely of Lutheran background though many denominations are represented on campus. About 50% are resident students, while others commute daily from the greater metropolitan area.

Location

Your education will benefit from Augsburg's location in the Twin Cities. Excellent art collections are available to you in the Minneapolis Institute of Arts, the Walker Art Center, and many other galleries.

The Minnesota Orchestra and other area performing organizations afford rich opportunities for the enjoyment of music of many types. The Twin Cities also appear regularly on the itineraries of major performing artists.

A variety of dramatic and musical presentations are provided by several theaters in the area such as the nationally known Tyrone Guthrie Theater, Theater-in-the-Round, the Old Log Theater, and the St. Paul Civic Opera Company.

Recreational activities abound. You can play tennis at parks near the campus or swim in one of the many area lakes. In the winter you may join other students on skiing trips. Professional sports are available the year around.

Reaching the Twin Cities is easy. Several major airlines provide daily service to Minneapolis - St. Paul International Airport. Bus and train connections can be made from all areas of the United States.

The Augsburg campus is just five minutes east of downtown Minneapolis via Interstate 94 which forms the southern border of the campus. (Directions are given opposite page 16.)

History

Augsburg was the first seminary founded by Norwegian Lutherans in America. Minneapolis replaced Marshall, Wisconsin, as Augsburg's home in 1872. The first college students were enrolled in 1874 and the first college graduation was held in 1879.

The school was officially named Augsburg College in 1963 when its former sponsor, the Lutheran Free Church, merged with the American Lutheran Church. Augsburg Seminary joined with Luther Theological Seminary, St. Paul, Minnesota, that same year.

Nature and Objectives

Augsburg is a four-year liberal arts college of the American Lutheran Church. It is committed to an open, honest, competent inquiry into the sciences, arts, and humanities in the context of the Christian faith.

Augsburg emphasizes the following primary objectives:

to expose students to a wide variety of ideas and disciplines, while assisting them to become proficient in one area or major

to help students understand the Christian faith in relation to the contemporary world

to develop students' love of learning and their faculties of reason, criticism, curiosity and imagination by encouraging and maintaining academic excellence

to increase students' understanding of the urban environment and culture, and to enable them to gain the skills needed to respond creatively to the problems and potentialities of the modern city

to encourage students to ascertain their interests and abilities, and to aid them in discovering the occupational opportunities which exist for them

to assist students in their intellectual, emotional, and spiritual growth; to encourage them to develop attitudes and qualities of character compatible with the Christian faith.

Accreditation

Augsburg has achieved full accreditation in a number of associations that set standards by which excellence is judged. Among the associations that recognize Augsburg are:

North Central Association of Colleges and Secondary Schools.

The National Council for the Accreditation of Teacher Education (Secondary and Elementary)
The American Chemical Society

The Campus

Augsburg's compact campus is located in the heart of Minneapolis surrounding Murphy Square, the first of the 155 parks in the "City of Lakes." The College currently has 14 major buildings with a number of cottage housing units that are very popular with the students. The University of Minnesota and two of the city's largest hospitals, Fairview and St. Mary's, are adjacent to the campus.

Visiting the Campus

The purpose of the campus visit is to permit students to learn, first-hand, about the College program, facilities, and admissions requirements. A personal interview affords candidates, parents, and the admissions counselor the opportunity to exchange information vital in the process of selecting a college and in making admissions decisions. A student-conducted campus tour and an interview with an admissions officer are strongly recommended but are not mandatory.

Students who wish to arrange for a tour and an interview are asked to write for an appointment or call the office (332-5181). Preferred times for campus visits are 9 a.m. - 4 p.m. weekdays. Arrangements may also be made to meet with a member of the faculty and to attend classes, Monday through Friday, when school is in session.

School, church, and other groups are welcome to visit the College. Arrangements may be made by writing the Office of Admissions, Augsburg College, Minneapolis, Minnesota 55404.

Academic Life

Augsburg is a modern, exciting liberal arts college designed to serve your individual needs. At Augsburg you develop your individual talents; there is no single mold. Here you will discover the world while preparing for a career. You will find out who you are. Augsburg's goal as a liberal arts college is to educate its students broadly and prepare them for competency in the modern world.

The 4-1-4 Calendar

Augsburg follows the 4-1-4 calendar. Two 15-week semesters are separated by a 4-week interim in January. During each semester the student enrolls in four courses; during the interim there is concentration on one subject.

The interim period is an especially exciting time. The whole world becomes an arena of learning. Creative energies and individual interests determine the course of study. Innovation and experimentation are encouraged in this break in the general academic schedule. Interest in music may take form in the study and presentation of a concert program. Interest in people may find form in the study and participation in activities of a social agency. Newspapers and advertising agencies provide opportunities for those interested in communications. No matter what your interest, the interim will afford the opportunity to experience and experiment while learning.

Faculty

Augsburg's faculty of about 100 is highly trained and takes individual interest in the students. Classes average 25 or less in size. The student faculty ratio is 17.8 to one.

In more human terms, Augsburg faculty members are available for help on individual problems. They know students by their first name and often join students in discussing the political climate, reactions to the latest visiting speaker, or talking over the latest Viking victory while having coffee.

General Education Requirements

Minimum education requirements for graduation have been determined, not to structure the learning process, but as a guide through the liberal arts. These courses can easily be incorporated into the planned course of study (many of them would be chosen even if they weren't required).

In general, these courses, with choices in each area, consist of subjects in literature, philosophy, art and music, speech and drama and religion. Others are chosen from biology, chemistry, mathematics, physics, and psychology. A few courses from economics, history, political science, sociology, and foreign languages or literature are suggested, and proficiency in English must be demonstrated. One course from an approved list of courses containing an emphasis on metropolitan concerns is required as well as physical education activities. (*For details, see "Academic Administration" section.*)

Majors

Augsburg offers majors in 18 departments.

American Studies	Medical Technology
Art	Metro-Urban Studies
Biology	Music
Business Administration	Natural Science
Business Education	Philosophy
Chemistry	Physics
Communications	Political Science
East Asian Studies	Psychology
Economics	Physical Education
Economics/Business Administration	Religion
Elementary Education	Scandinavian Area Studies
English	Social Science
French	Social Work
German	Sociology
History	Spanish
Mathematics	Speech
	Theater Arts

Other majors are available through the Five College Cooperative student exchange program. The Office of the Registrar should be consulted for further information.

Pre-Professional Training

Students who plan to enter the fields of law, medicine, dentistry, pharmacy, the ministry, and engineering, can profit from a liberal arts education at Augsburg. It is suggested that requirements for admission to graduate schools or seminaries be reviewed and then the course of study at Augsburg be planned accordingly. Augsburg offers a wide scope of courses in the natural and social sciences, in the humanities, and in religion and philosophy which will provide the necessary preparation for future professional study.

Inter-Institutional Programs

Augsburg cooperates with other colleges and institutes in the Twin Cities area on several programs.

FIVE COLLEGE COOPERATIVE PROGRAM. Students at Augsburg and the St. Paul colleges of Hamline, Macalester, St. Catherine and St. Thomas may elect one course each semester at another campus without additional fee. Students may elect to do this to gain new perspectives, to get better acquainted with the other schools, or because a specific course is not offered on the home campus. Because these five colleges have coordinated calendars, the interim term may also be taken on another campus. A regularly scheduled bus shuttles students free between the campuses.

Augsburg College also cooperates with other colleges in planning study opportunities for the January interim. For example, Augsburg and St. Olaf jointly plan a number of foreign study opportunities for the interim. Since the interim program is new each year, the Interim Director should be consulted regarding planned programs.

THE HIGHER EDUCATION CONSORTIUM. This group is composed of 12 colleges and universities in Minnesota, Iowa, and South Dakota. Planned activities include innovative curricular programs for students, interchange and sharing of academic personnel and other college resources, cooperative research projects, foreign study, joint sponsorship of a metro-urban affairs conference, and development of programs consistent with the needs and resources of the community organizations of the Upper Midwest.

CHEMICAL DEPENDENCY PROGRAM. A cooperative effort between Augsburg College and Metropolitan State Junior College in downtown Minneapolis has resulted in the establishment of a four-year program in sociology or psychology with a chemical dependency speciality. The program is designed to train specialists to help professional people in dealing with chemical dependency problems. Courses are taken both on the Augsburg and the Metropolitan campuses.

CONSERVATION OF HUMAN RESOURCES (CHR). These co-learning classes bring together Augsburg students, prison inmates, mental hospital patients, guards, and students at rehabilitation centers. All take courses for credit from Augsburg. Classes are held at such places as the St. Cloud Reformatory, Shakopee Institution for Women, Stillwater State Prison, St. Peter Security Hospital, and Trevilla of Robbinsdale, a halfway house rehabilitation center. The courses offered are from several college departments, and the response of students involved in the courses, both from Augsburg and the institutions, has been extremely favorable.

The purpose of the course is to get a first-hand view of the prisons and hospitals and personalize the study by actually interacting with inmates and their problems.

Each year the Conservation of Human Resources office at Augsburg holds tuition-raising benefits to help pay for inmates' matriculation in these co-learning courses.

SUMMER SCHOOL. Augsburg's summer school calendar is coordinated with that of Concordia College in St. Paul. Students who enroll may select courses on either campus. Two sessions (five weeks each) are offered to permit students to complete courses toward their degrees.

COOPERATIVE PROGRAM WITH CONTROL DATA INSTITUTE (CDI). Augsburg and CDI have an arrangement whereby students may transfer the equivalent of three courses in computer programming taken at Control Data Institute to Augsburg College.

AFFILIATION WITH SCHOOLS OF NURSING. Student nurses in the Schools of Nursing at the Lutheran Deaconess and Fairview hospitals in Minneapolis receive some of their instruction at Augsburg. Application for admission to the Schools of Nursing should be made directly to the hospitals.

MEDICAL TECHNOLOGY. In cooperation with Hennepin County General, Metropolitan Medical Center, and Northwestern hospitals, Augsburg offers work which enables the student to receive a college degree with a major in Medical Technology. The first three years of this work are taken at Augsburg and a final twelve-month program is completed at one of the three hospitals.

CORRECTIVE THERAPY. A program in Corrective Therapy worked out in cooperation with the Veterans Administration Hospital, Fairview Hospital, and Cambridge State Hospital, is available to students who complete a major in physical education with specialization in Corrective Therapy.

Admission to the curriculum requires an application to be approved by the Director of Physical Education. Application should be made during the spring semester of the sophomore year. Candidates are required to have a 2.5 grade-point average in work completed in the major and a 2.0 grade-point average over-all. All candidates should, as soon as possible, consult with the Director of Physical Education regarding proper sequence of courses.

International Study

There are several types of international experiences available to Augsburg students.

STUDENT PROJECT FOR AMITY AMONG NATIONS (SPAN). Augsburg participates in the SPAN program. This is a joint venture of the University of Minnesota and several colleges in the state. Each year three or four countries are selected, and qualified students are granted partial scholarships to enable them to spend a summer in informal study in one of the countries chosen. Applications to the program are made in the spring of the sophomore year. The SPAN program consists of three stages: language study and group meetings during the school year before departure, independent study on a topic of one's choice during the following summer and the writing of a paper upon return.

SEMESTER OR YEAR ABROAD. Arrangements have been made under which Augsburg students may spend their sophomore or junior year in study at a number of European educational institutions. These institutions are: The University of Oslo, Norway; Schiller College and The Goethe Institute in Germany; and the Institute for American Universities at Aix-en-Provence in France. In addition to these programs, there are many other opportunities for study all over the world, and interested Augsburg students may arrange to take part in approved programs by making application through the Foreign Study Adviser. This type of study must be approved before departure by one's faculty adviser first, and then by the Committee on Admissions and Student Standing. Credit earned through foreign study may be applied to the student's graduation requirements as electives, as elements of the major sequence, or to satisfy some of the general education requirements.

SUMMER SCHOOL. Again, there is a wide variety of possibilities for those who wish to spend a summer studying abroad. Recently Augsburg students have spent summers in Norway, Spain, Mexico, France, Greece, Germany, and England. Those interested in further information contact the Foreign Study Adviser.

INTERIM. Study abroad during the interim is planned for each year. See listings under the Augsburg Interim Catalog. For information on programs available through other colleges, contact the Foreign Study Adviser.

Honors Program

Some special accelerated sections are available to freshman students with outstanding high school records. For superior students of all class years, interdisciplinary honors seminars are offered each term.

Several departments of the College offer programs through which the student can earn honors in the major. The opportunity to do independent study in fields of interest is available throughout the College.

For students who apply for and receive special status as Honors Scholars, general education requirements are modified as necessary to meet the student's needs and interests. Additional information on the honors program is available upon request from the Honors Program Director at Augsburg.

Degrees

Augsburg College offers the Bachelor of Arts (B.A.) degree, and the degree of Bachelor of Music. (*See the Department of Music for B.M. degree requirements*)

Student Life

Your experiences in the classroom are major influences in your college life. They need supplementing, however, by other activities and opportunities. Whether as a resident student or commuter, you'll find that the climate for learning and living at Augsburg adds dimension to your education.

Social and Cultural

Throughout the year, a variety of social and cultural activities take place on campus as well as in the Twin Cities. These activities include dances, special dinners, big name entertainment, and visiting personalities in various fields.

The College Center is the focus of leisure-time activity on campus. Offices for the College newspaper, The Augsburg Echo, and the yearbook, the Augsburgian, are on the lower level. Many of the clubs that unite classroom or non-classroom related interests meet in the Center.

There are several opportunities for participation in music. In addition to campus and local performances, the Augsburg Choir, Concert Band, and Orchestra tour annually. The String Ensemble, the Choral Club, and several student-organized groups also perform on and off campus.

Recreation

Every student is urged to participate in some activity for his own recreation and relaxation. An intramural program provides competition in a variety of team sports as well as individual performance activities. Climaxing the intramural program is the Extramural Meet, a tournament for intramural winners at various colleges.

Intercollegiate Athletics

Augsburg is a member of the Minnesota Intercollegiate Athletic Conference (MIAC). The college annually competes in ten sports including football, soccer, cross country, basketball, hockey, wrestling, baseball, track, tennis, and golf.

Religious Life

An important part of daily life at Augsburg are religious activities. The Religious Life Commission, chaired by a student and composed of students and faculty, sees its major responsibility in relation to worship, devotional life, and the stimulation of faith through discussion and service. The chapel services which are held four times a week are both experimental and traditional in character. Students, faculty and staff attend voluntarily.

Student Services

The staff of the Center for Student Development is available for consultation on questions of academic procedure, personal, academic and financial problems, student life, student activities, residence halls, and career, professional and life-style planning.

All members of the Augsburg faculty serve as academic advisers. Advisers are assigned on the basis of academic interests and students are encouraged to establish close working relationships with their adviser. The faculty takes both a scholastic and personal interest in students.

Housing

Because Augsburg recognizes that a student's ability to respond to the learning environment depends, in part, upon his living conditions, a variety of housing alternatives are provided. The residence hall program is designed to promote student growth through relationships with other students and as an active participant in group decision making. Each residence unit has one or more Resident Assistants who are able to facilitate the process of group living as well as discuss the personal concerns of individual students.

The largest residence hall on campus is Urness Tower. This eleven-story high rise houses 324. Each floor is considered a house unit providing 36 students, two to a room, with their own lounge, study, and utility areas.

Other residence facilities are:

Sverdrup-Oftedal Memorial Hall houses about 60 upperclass men and women. The Center for Student Development is located here as well as some faculty and administrative offices.

West Hall houses 38 women. West Hall has been converted from an apartment building; each unit houses four students who share two rooms and bath.

Mortensen Tower, the newest residence hall, is an alternative to traditional residence hall living. It contains 104 one-and two-bedroom apartments to accommodate 312 upperclass students.

A large number of dwellings, called annex housing units, in the greater campus area, provide accommodations for upperclass men or women. The residents function as a group to share the living space, house responsibilities, and cooking. Annex housing also accommodates married students and faculty and staff members.

All freshmen and sophomores not living at home are required to live in college operated housing.

Mortensen Tower is carpeted, air conditioned, and contains kitchen units. It is otherwise unfurnished. In other residence halls or houses rooms are furnished except for bed linen, towels, blankets, and bedspreads. Laundry facilities are available in each residence. An optional rental linen service is available to students in residence halls and annex housing units.

Students engage a room at the beginning of the fall term for the entire school year. A room deposit, required of upperclass students, is payable in the Treasurer's Office by May 1. Students who have not paid the room deposit by this date are automatically removed from the housing roster. No refunds are made after July 1.

All students living on campus are required to pay a \$25 breakage and fine deposit at registration. The fee is refunded upon graduation, transfer to another institution, or discontinuing education program at Augsburg if the condition of the room and furniture is satisfactory and the key is returned.

Food Service

The Commons, situated on the top floor of the College Center, is the main food service facility. This pleasant room features small table units for easy conversation and overlooks the College Quadrangle and Murphy Square. The portions are generous and modestly priced. Students on board plan living in residence halls eat their meals in the Commons.

The Chinwag, located on the ground floor of the Center, features short orders and is open through the noon hour and in the evenings.

Augsburg provides a variety of board plan options for those living in College houses or nearby apartments.

MUSIP

The Metro-Urban Studies Internship Program (MUSIP) is Augsburg's new College-wide program. It provides students in all fields of study with the opportunity to gain practical on-the-job experience that can be related to their academic program or personal interests. Internships are available with a variety of companies, agencies and community organizations.

Admission to the College and Financial Aid

Applying for admission to Augsburg College is a simple procedure. Each application is reviewed by the Admissions Office and students are accepted on the basis of high school performance, promise of success in college as shown by college entrance examination scores, other motivational factors, and personal recommendations.

It is the policy of Augsburg College to afford to all persons equal opportunity to benefit from its educational programs, student personnel services, financial aid, housing, student employment and other services without regard to race, color, religion, sex or ethnic background.

A visit to the campus is highly recommended: admissions counselors are available to help you, answer your questions, and arrange for you to see the campus.

The Application Process

1. Secure from the Admissions Office, and complete, an official application for admission.

2. Hand the completed application to your high school counselor, along with the \$10.00 application fee, and ask that these be sent with your official high school transcript through the last complete semester to:

Admissions Office
Augsburg College
731 21st Ave. South
Minneapolis, Minn. 55404

3. Submit scores from the SAT or ACT. The College recommends that candidates sit for the examination as early as possible during the senior year. Your high school counselor can tell you when these tests are scheduled in your area.

4. Admissions to the College are made on a "rolling" basis: as soon as an application file is complete, a decision will be made and the student notified. A non-refundable \$50.00 tuition deposit is required by April 1 after acceptance has been made and/or financial aid (if applied for) has been awarded.

5. After the deposit has been made, the student must complete a medical history form, which will be sent by the College.

6. Room assignments for those who have requested to live on campus, and matriculation information will be mailed to the student during the summer.

Transfer

Students are accepted by transfer from other colleges and universities on the basis of their academic record, test results, and recommendations. College credit is granted for liberal arts courses satisfactorily completed at accredited institutions. The College reserves the right not to grant credit for courses where it considers the work unsatisfactory, and to grant provisional credit for work taken at unaccredited institutions. The grade average for graduation is based on work taken at Augsburg, but to determine graduation with distinction, all grades are averaged. Transfer students with the A.A. degree are considered as having met all general education requirements at Augsburg except for two courses in religious studies.

1. Secure from the Admissions Office, and complete, an official application for admission. This should be sent to the Admissions Office with a \$10.00 application fee.

2. Request official transcripts from any college or university attended to be sent directly to the Admissions Office
Augsburg College
731 21st Ave. South
Minneapolis, Minn. 55404

3. Two personal recommendations will be requested. Upon receiving these forms, give them to two persons who can write in your behalf. Return directly to the Admissions Office in the postage paid envelopes which are provided.

4. Admissions to the College are made on a "rolling" basis: soon after an application file is complete, a decision will be made and the student notified. A non-refundable \$50.00 tuition deposit is requested within one month after acceptance has been made and/or financial aid (if applied for) has been awarded.

5. After a deposit has been made, the student must complete a medical history form, which will be sent by the College.

6. Room assignments for those who have requested to live on campus and matriculation information will be mailed during the summer.

Early Decision

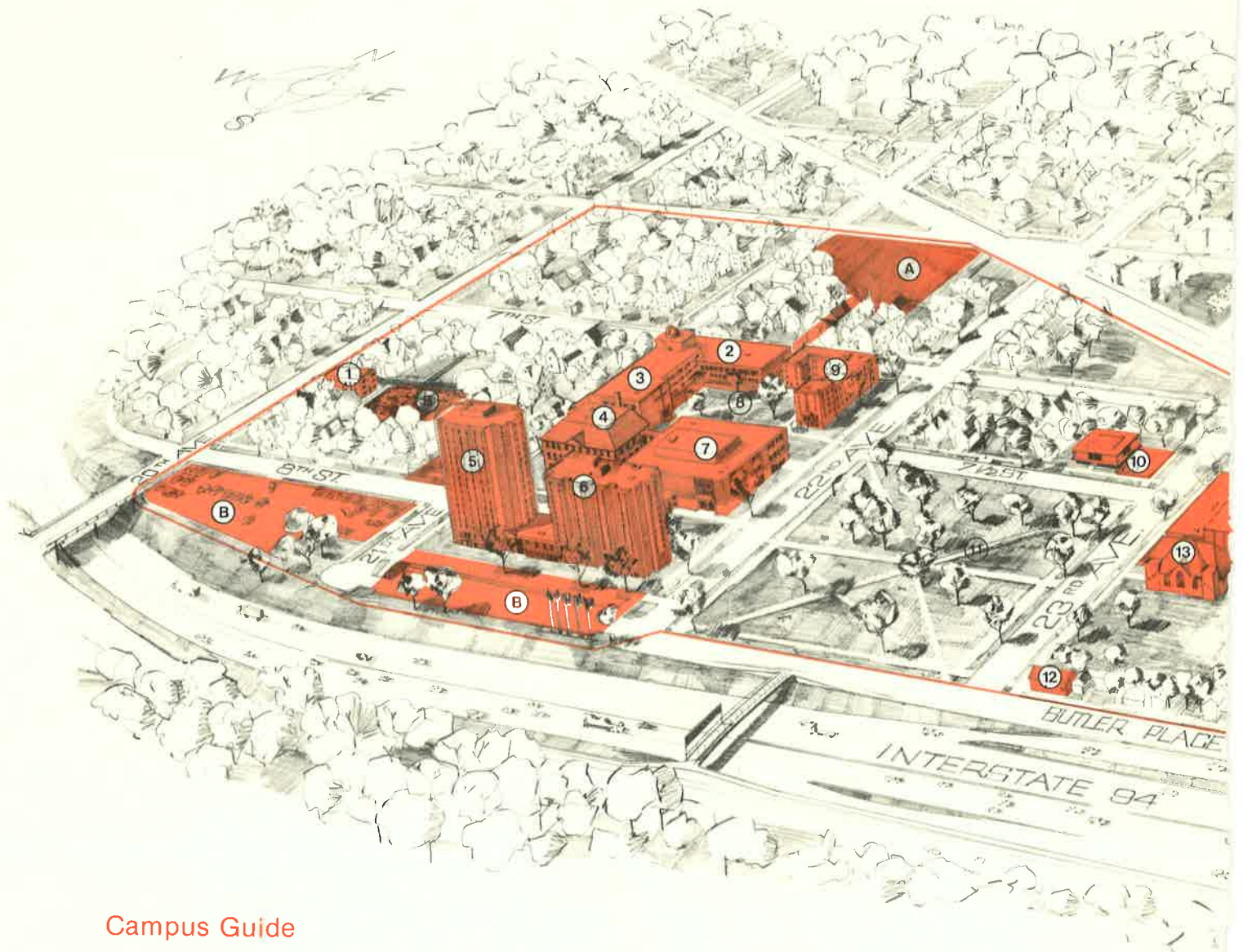
An Early Decision Program is offered for students who select Augsburg as their first college choice and who will accept an offer of admission if it is extended. An Early Decision candidate must apply by November 15 of the senior year and will receive the admission decision about December 1. After notification of admission and adequate financial aid, if needed, has been provided, the student must agree to withdraw applications made to other colleges. The admissions decision is based upon the academic record through the junior year, test scores, and recommendations. A \$50.00 tuition deposit which is non-refundable is required by January 1.

Early Admission

An Early Admission Program is offered for a few high school juniors. To apply for Early Admission, a student must have a high academic record and test scores, recommendation from the high school, and the maturity to cope with a college course after his junior year in high school. Also, it is recommended that the student complete the requirements for a high school diploma during the summer or during the first year of college. A student applying for Early Admission can take the Scholastic Aptitude Test in January or March of his junior year.

Advanced Placement

Advanced placement is granted to students who qualify, on the basis of work taken in high school or elsewhere, to enroll in courses beyond the beginning level. Placement may be determined by tests, or by the level and length of the study previously completed.



Campus Guide

1. West Hall
 2. George Sverdrup Library
 3. Science Hall
 4. Old Main
 5. Mortensen Tower and
Visitors Parking (on 8th Street)
 6. Urness Tower
 7. The College Center
 8. The Quadrangle
 9. Sverdrup-Oftedal Memorial Hall
 10. Art Studio and Art Annex
 11. Murphy Square
 12. Organ Studio
 13. The Music Building
 14. Si Melby Hall
 15. Speech and Drama Building
 16. East Hall (Band Building)
- A. Faculty-Staff Parking (Permit Required)
 B. Student Parking (Permit Required)

Offices

Admissions (Science 156)
 Alumni Programs (Memorial 2nd floor)
 Audio-Visual (Memorial ground floor)
 Augsburgian (College Center ground floor)
 Auxiliary Programs (Memorial 128)
 Bookstore (College Center 1st floor)
 Business Affairs (Science 139)
 Career Planning and Placement
 (Memorial 1st floor)
 Center for Student Development
 (Memorial 1st floor)
 College Relations (Memorial 2nd floor)
 CHR (Memorial ground floor)
 Data Processing (Science 32)
 Dean of the College (Science 135)
 Development Office (Memorial 2nd floor)
 ECHO (College Center ground floor)

Advanced Standing

College credit is granted to high school students who have successfully completed a college level course and who have scored high on the Advanced Placement Examinations. Augsburg will also award credit on the basis of scores received on the College Level Examinations offered by the College Entrance Examinations Board. Requests for detailed information may be addressed to the Registrar at Augsburg.

Financial Aid

About 70% of all Augsburg students receive financial assistance from the college in the form of scholarships, grants, loans, campus employment, or a combination of these. Assistance is awarded on the basis of financial need and academic record. Application for aid is made by completing the Parents' Confidential Statement (PCS) of the College Scholarship Service. Upperclass students must also complete the Augsburg Application for Financial Aid.

For the academic year 1972-73, 1080 of the 1600 students at Augsburg received scholarships or grants totaling \$784,000 from Augsburg and all other sources, and federal loans totaling \$335,000.

Augsburg participates in the Minnesota State Scholarship and Grant Program for which all Minnesota residents are expected to apply and the following federal programs: Educational Opportunity Grant, Basic Opportunity Grant, National Direct Student Loan (formerly National Defense Student Loan), College Work-Study, and Federally Insured Student Loan. Both on-campus and off-campus work opportunities are also available.

The deadline for submitting the PCS is April 1. For information, contact the Financial Aid Office at Augsburg College.

Expenses

Expenses

TUITION - \$2,115.00

This full-time rate applies to new freshmen, transfer or returning students (not on a prior year guarantee plan) entering the academic year beginning in September. Students are considered full time when they take three or more courses during the semester terms.

Under the 4-1-4 calendar, the student must register for the semester periods. Such registration is payable in this manner:

Tuition and Fees for the 4-1 (or 1-4) is \$1,175.00

Tuition for the remaining semester is \$940.00

If the student elects to omit an interim, a refund is not authorized.

A part-time rate of \$280.00 a course is charged the student taking less than three courses in a semester or registering for an interim course only.

Full-time students may audit a course without charge. For part-time students, the charge for auditing is \$140.00 a course.

SPECIAL FEES - NOT REFUNDABLE

Application fee, \$10.00 is required from all new students.

Graduation fee is \$15.00.

Registration fee for students studying abroad on approved non-Augsburg programs is \$25.00.

Seniors enrolled in the Medical Technology program at one of the hospitals must register at Augsburg. The charge will be \$170.00.

Fee for change in registration after the first three days of classes is \$2.00 for each course cancelled or added. Late registration fee after classes begin is \$5.00 per day.

SPECIAL COURSE FEES - NOT REFUNDABLE

Cinema Arts, \$10.00

Computer Science, \$25.00

Film Making Course (Laboratory fee), \$50.00

Student Teaching, \$35.00

Improvement of Reading, \$30.00

Music lessons in addition to tuition are \$84.00 a semester (14 lessons), or \$6.00 per lesson during the interim.

Practice Studio rental for each semester for one hour a day: organ, \$20.00 (\$5.00 an interim); piano or voice, \$8.00 (\$2.00 an interim).

Band-Orchestra instrument rental: \$7.50 a term.

OTHER COSTS

Transcript fee: first copy free, additional copy, \$1.00.

Locker rental for commuter students: \$2.00 or \$3.00.

Arrangements for special examinations are made in the Registrar's Office, with charges according to the schedule on file.

Books and supplies are available from the Bookstore on a cash or charge account basis.

BOARD AND ROOM

Full Board and Room	\$1,161.00
Partial Board and Room	\$1,125.00
Meal Coupons and Room (Limited Residences)	\$ 801.00
5 Day Lunch Plan	\$ 234.00

In the event of excessive increases in the cost of operation, these board rates may be increased at any time before or during the contract year.

A full board plan provides 21 meals per week. The partial board plan provides 14 meals per week in a combination of breakfasts and dinner or noon lunch and dinners.

The meal coupons are restricted to apartment style residences named by the college in the "Housing and Food Services contract".

A lunch contract is available to non-resident students and provides five noon lunches per week.

Linen service is available in residence halls on a direct contract basis from a local linen supply company at about \$35.00 per year.

1974-75 Cost Summary

Application Fee	\$ 10.00
Tuition	\$2,115.00
<i>(Tuition deposit of \$50.00 paid on acceptance to Augsburg and applied to the tuition charges.)</i>	
Board and Room	\$1,125.00-\$1,161.00
Breakage Deposit	\$ 25.00
<i>(Refunded on termination of studies at Augsburg)</i>	

Deposits

TUITION DEPOSIT - New students, \$50.00 (not refundable). Required of students whose application for admission has been accepted; to be paid by April 1, 1974 (payment is due January 1 under Early Decision Program). The payment is applied to the tuition charge.

ROOM RESERVATION DEPOSIT - All resident students, \$25.00 (not refundable). Required at the time of signing a contract, to reserve a housing assignment for the term beginning September, and applied to the room charge.

BREAKAGE AND FINE DEPOSIT - All students at registration, \$25.00. Refundable upon graduation, transfer to another institution, or discontinuing education program at Augsburg.

Settlement of Account

A statement of estimated charges for the year will be prepared and forwarded to the student early in August. Payment of the five-month billing period is due August 20, and the second semester is due January 20. Variation from this schedule must be arranged with the Business Office prior to August 20. No student is permitted to register if his or her account for a preceeding term has not been paid in full.

Refunds

If a student decides to cancel his registration, refunds of tuition and room charges are allowed according to the following schedule:

100% through the first Friday of classes.

80% during the balance of first week of classes.

70% during the second week of classes.

60% during the third week of classes.

50% during the fourth week of classes.

40% during the fifth week of classes.

No allowance is given after the fifth week. If a student is forced to cancel his registration because of accident or illness during the first five weeks of the term, the charge is reduced by 50%.

Students required to enter military service will receive a full refund of tuition and a proportionate refund on room charges.

In all cases, board refunds are made on a proportionate basis.

Academic Administration

Students who enroll at Augsburg College are encouraged to plan their own course of study with the help of faculty advisers who are readily available for consultation and guidance. A well planned program of liberal arts studies will include courses in the humanities, the natural sciences, and the social sciences.

Augsburg graduates are expected to be able to write effectively; they are also expected to be knowledgeable about urban concerns and have some understanding of cultures outside the United States.

The general physical activities courses at Augsburg are designed to equip students for lifetime sports and recreational activities.

Courses in religion are intended to assist students in their reflection on the meaning of the Christian Church through the study of its beliefs, its scripture, and its mission.

MINIMUM GRADUATION REQUIREMENTS INCLUDE THE FOLLOWING:

1. 35 courses of which 11 must be upper division (numbered in the 300's and 400's) and not more than 13 in one department.
2. Completion of a major.
3. A grade point average of 2.0 in all courses taken and in courses which apply toward the major.
4. The last year at Augsburg College.
5. Three interim courses.
6. Satisfactory completion of distribution requirements as follows (One course may meet one requirement only):
 - a. A course in writing (English 111) or demonstrated proficiency in writing.
 - b. A course from at least two of the following four groupings: art or music; literature (from the Department of English); philosophy; speech or drama.
 - c. A course from at least two of the following departments: biology, chemistry, mathematics, physics, psychology.
 - d. A course from one or two of the following departments: economics, history, political science, sociology; and one or two courses from the Department of Foreign Languages to make a total of three courses in these five departments.
 - e. Three courses in religious studies, of which not more than one may be an interim course. All courses listed in the Department of Religion meet this requirement except that only one course of History of Religion may apply.
 - f. A course relating to urban concerns.

- g. Three recreational activities or demonstrated proficiency in three lifetime sports. Students with proficiency in one or two sports may meet this requirement with one semester of activities.

Divisional Organization

The college courses are organized into four divisions in order to make interdepartmental coordination more convenient and cooperative aims more easily achieved. A chairman for each division is appointed for a two-year term.

Major and minor requirements are indicated in the departmental statements in the course listing section.

NATURAL SCIENCE AND MATHEMATICS

Chairman: Earl R. Alton

Department of Biology
Department of Chemistry
Department of Mathematics
Department of Physics

SOCIAL AND BEHAVIORAL SCIENCES

Chairman: Norma C. Noonan

Department of Business Administration, Business Education,
and Economics
Department of History
Department of Political Science
Department of Psychology
Department of Sociology

PROFESSIONAL STUDIES

Chairman: Einar O. Johnson

Department of Education: Elementary Education, Geography,
Library Science, Secondary Education
Department of Physical Education and Health Education
Department of Music

HUMANITIES

Chairman: Philip A. Quanbeck

Department of Art
Department of English
Department of Foreign Languages: French, German, Greek,
Scandinavian Area Studies, Spanish
Department of Speech, Communications, and Theater Arts
Department of Religion
Department of Philosophy

Registration

A student must be registered for a course in order to receive credit for it.

A normal load is four courses per semester and one course in the interim. Students registered for three or four courses per semester are defined as full-time students.

Although a student may register up to two weeks after the semester begins, it is advantageous to do so at the regularly scheduled time. A fee is charged for late registration. A fee is also charged for changing registration, i.e., cancelling or adding courses after the first three days of the semester.

Students are urged not to abandon courses for which they are registered. Abandoned courses result in a failing grade. Cancellation of courses or cancellation from college must be done in the Registrar's Office.

Students who have completed at least seven courses with a 2.0 average are classified as sophomores, 16 as juniors, and 25 as seniors.

Probation and Dismissal

A student may be placed on scholastic probation at the end of a term if his achievement is unsatisfactory:

FRESHMAN,	below 1.6 or 2 zero grades having taken 6 or fewer courses
SOPHOMORE,	below 1.7 or 3 zero grades having taken 7-15 courses
JUNIOR,	below 1.9 having taken 16-24 courses
SENIOR,	below 2.0 having taken 25 or more courses

If a student has been on probation two or more semesters consecutively, he is subject to dismissal at the end of the following spring term. A student who has a poor academic record may be strongly advised to withdraw before the end of spring term, but if he wishes to do so he may continue on probation until the end of the spring term.

Dismissal from the college at the end of the spring term will not be automatic. Each case will be reviewed by the Committee on Admissions and Student Standing.

A student who has been on probation for two terms and withdraws from the college voluntarily must have special permission to re-enroll.

Grading

Most courses are graded on a scale of 4.0 to 0 with definitions as follows:

4.0	Achieves highest standards of excellence
3.5	
3.0	Achieves above basic course standards.
2.5	
2.0	Meets basic standards for the course.
1.5	
1.0	Performance below basic course standards.
.5	
0	Unacceptable performance (no credit for the course).

Most courses are also offered on a Pass/No Credit system, with P meaning a grade of 2.0 or better and N meaning no credit and a grade of less than 2.0. On the P/N grading system the grade is not computed in the grade point average.

A student may count a maximum of eight courses of P toward graduation. For transfer students the maximum is an average of two courses per year.

An incomplete grade (I) may be given only in the case of an extreme emergency. To receive an I grade, a student must file a petition with the Committee on Admissions and Student Standing stating the reasons for requesting it, the plan and date for removing it, and comments from the instructor of the course. If permission to receive an I grade is granted, it must be removed during the following semester.

A grade of X may be given for an Independent Study or Directed Study course that is to be spread over more than one semester. Such a course must be completed during the second semester or the grade of X will remain on the record.

A course in which a grade of O, 1.0, N, I, or X has been received may be repeated for credit. Only the credits and grades earned the second time are counted toward graduation and in the grade point average. Courses in which higher grades have been earned may not be repeated for credit; they may, however, be audited.

Education courses 371, 372, and 480-484 are graded only by P, 1.0, or N.

Sociology courses 231 and 383 are graded only on the P/N grading system.

Students must indicate on their registration card those courses which they wish to take on the P/N grading system. Any changes in choice of grading system must be made during the first two weeks of the semester. A fee is charged after the first three days of classes.

Graduation With Distinction

Graduation with distinction is determined as follows:

Summa cum laude	3.9 - 4.0 grade average
Magna cum laude	3.6 - 3.89 grade average
Cum laude	3.3 - 3.59 grade average

General Information

Credit by Examination

Students who are interested in earning credit by examinations should consult with department chairmen or with the Registrar. Credit may be earned through the College Level Examination Program (CLEP) or by comprehensive examinations.

Classification

Sophomore.....	7 courses.....	14 grade points
Junior.....	16 courses.....	32 grade points
Senior.....	25 courses.....	50 grade points

To be considered full time for the year, a student must register for at least three courses each of the two semesters and one course during the interim (for a total of seven courses). To be considered full time for a semester, a student must register for at least three courses.

Courses

All courses have equivalent value unless otherwise indicated. A course has the approximate value of 4 semester credits. A total of 35 courses is required for graduation.

Most courses meet for three sixty-minute periods or two ninety-minute periods a week in addition to laboratories. Each semester is approximately 15 weeks in length.

Unforeseen circumstances may necessitate making changes in course offerings. Courses with inadequate registration may be cancelled. Students should consult the schedule of classes to determine definitely the current course offerings.

Numbering

Courses numbered below 300 are lower division courses; those numbered 300 and above are classified as upper division. In general, courses numbered in the 100's are primarily for freshmen; 200's for sophomores; 300's for juniors; and 400's for seniors. The first number indicates the level of the course; the second is the division within the department; and the third identifies the course.

Symbol

#. Course may be taken with the consent of the instructor irrespective of prerequisites.

Course Descriptions

American Studies

Descriptions of the courses offered in 1974-75 are given on the following pages. See preceding page for information on numbering, symbols, etc.

Director: Grier Nicholl

MAJOR: 13 courses including 295 or 495, and 499, plus 11 courses in U.S. History, Literature and Fine Arts in the U.S., and Social Sciences in the U.S. (5 courses in one of these areas and 3 in each of the others).

ELECTIVE COURSES AND OPTIONS:

History of the United States

American Studies 231

History 221, 222, 331, 332, 495

Religion 363, 352

Literature and Fine Arts in the United States

American Studies 232

Art 102

English 243 (also Speech 241), 250, 351, 423, 490

Social Sciences in the United States

Geography 114

Education 478, 488

Political Science 121, 122, 325, 326, 342, 370, 371

Sociology 111, 231, 237, 351, 383, 463

Economics 120, 122, 251, 453

TEACHING MAJOR: 16 courses. Same as above, plus 3 courses in foreign civilization area to be approved by director.

MINOR: 7 courses including 295 or 495 plus 2 courses in each of above groupings under major.

231 RELIGION IN AFRO-AMERICAN HISTORY

An examination of selected topics related to the black experience, e.g., religion under slavery, churches as agents of social change, evangelicalism, etc. (Fall)

232 AFRO-AMERICAN HUMANITIES

Focuses on a limited period of the black experience in America with an emphasis upon the contributions of literature, art, and music in this period. (Spring)

295 CONTEMPORARY AMERICAN ISSUE

Focuses on a significant problem or phenomenon in American urban life today, e.g., cultural pluralism, the urban Indian. A study of the approaches of various disciplines to the issue. Use of Twin Cities area resource persons to speak first hand to the issue. One student project emphasizes the integration of primary source materials, disciplinary approaches and direct observation. Open to freshmen, sophomores. (Fall)

495 CONTEMPORARY AMERICAN ISSUE

For description, see 295. Open to juniors and seniors who will do a different level of work. (Fall)

499 INDEPENDENT STUDY

One project of an interdisciplinary nature. Field experience during interim encouraged. (Fall, Interim, Spring)

Department of Art

Chairman: Philip Thompson

MAJOR: 9 courses, including 107; two from 486, 487, 488; and three from 118, 221, 223, 225, 350.

TEACHING MAJOR: Same as major but 350 required.

MINOR: 5 courses, including 107; one from 486, 487, 488; and two from 118, 221, 223, 225, 350.

102 ENVIRONMENTAL AESTHETICS

Fine arts in the urban and world setting. Participation in the cultural life of the community leading towards appreciation and criticism. (3 one hour lectures. Fall)

107 DRAWING

Drawing in pencil, charcoal, ink, and other media. Descriptive, experimental, and figure studies. (Fall, Spring)

118 PAINTING I

Introduction to painting media and technique. (Fall, Spring)

221 SCULPTURE I

Three major works in any of the following media: steel (welding), plaster, lead, wood, fiberglass, stone, plexiglass, and others. (Prereq.: 107. Fall, Spring)

223 PRINTMAKING I

Principles and methods of printmaking in a variety of media. (Fall, Spring)

225 VISUAL COMMUNICATIONS I

The theory and practice of visual perception and communication using elements such as color, line, shape, texture, and pictorial images. (Fall, Spring)

230 VISUAL COMMUNICATIONS II

A study of visual communications in magazines, television, film, advertising symbols, and other mass media. Practice in areas of photography, typography, and illustration. (Prereq.: 225. Fall, Spring)

242 FILM-MAKING

Film-making through practical laboratory experience. Discussion and observation of the expressive and structural elements of film. (Summer, Interim)

350 CERAMICS I

An introduction to the making of pottery with an emphasis on handbuilding and glazing. (Fall, Spring)

351 CERAMICS II

A continuation of handbuilding and glazing with an introduction to throwing techniques. (Prereq.: 350. Fall, Spring)

355 PAINTING II

Advanced study of painting. (Prereq.: 118. Fall, Spring)

360 DRAWING AND WATERCOLOR PAINTING

Seven weeks of descriptive and experimental drawing followed by seven weeks of watercolor painting with emphasis on the landscape. The functions of perception, structure, and gesture in drawing and transparent watercolor. (Prereq.: 107. Spring)

368 PRINTMAKING II

Advanced work in various media, including silk screen, etching, and engraving. (Prereq.: 223. Fall, Spring)

478 SCULPTURE II

Three major works in any of the following media: steel (welding), plaster, lead, wood, fiberglass, stone, plexiglass, and others. (Prereq.: 221. Fall, Spring)

486 HISTORY OF PAINTING

Survey of Western painting from prehistoric to modern times with topical studies of non-Western and primitive styles, with appropriate references to sculpture and architecture. (Fall)

487 HISTORY OF SCULPTURE

Survey of Western sculpture from prehistoric to modern times with topical studies in African, Oceanic, and Pre-Columbian, with appropriate references to painting and architecture. (Spring)

488 HISTORY OF ARCHITECTURE

Survey of Western architecture from prehistoric to modern times with topical studies in national traditions, Pre-Columbian and Oriental styles, and with appropriate references to painting and sculpture.

499 INDEPENDENT STUDY

Advanced study in area of the student's choice. Intended for senior art majors who have special concerns outside the four subjects offered in Studio III. (Fall, Spring)

Department of Biology

Chairman: Ralph Sulerud

MAJOR, Option I: 7 courses, including 111, 112 and at least one course from each of the following three groups: Invertebrate Zoology, Comparative Vertebrate Zoology, Plant Biology (Group I); Genetics, Physiology, Developmental Biology (Group II); Biochemistry, Cellular Biology, Microbiology (Group III). Participation in seminar. Chemistry 115, 116 (or 105, 106), 351, 352; Mathematics 124 (or 121); Physics 121, 122 also required. Students intending to enter medical school or graduate school should ordinarily choose this major.

MAJOR, Option II: 9 courses, including 111, 112 and at least one course from each of the following five groups: Invertebrate Zoology, Comparative Vertebrate Anatomy (Group I); Genetics, Developmental Biology (Group II); Plant Biology, Ecology (Group III); Biochemistry, Physiology (Group IV); Cell Biology, Microbiology (Group V). Participation in seminar. Chemistry 115, 116 (or 105, 106), 223 (or 351, 352) also required. Students who plan to teach in secondary schools often select this major.

MINOR: 5 courses, including 111, 112 and three upper division courses. Chemistry 115, 116 (or 105, 106) also required.

HONORS MAJOR: GPA of 3.5 in biology and 3.0 overall; active participation in seminar; one course of approved independent study with an oral defense of the research report. Application for the honors major should be made no later than the first term of the senior year.

101 PRINCIPLES OF BIOLOGY

The basic concepts of biology. A general education course, not intended for majors in biology. Does not normally apply toward a biology major or minor. Students who receive a grade of B or better will be allowed to enter Biology 112 on consent of instructor. (3 hours lecture, 2 hours laboratory. Fall, Spring)

103 HUMAN ANATOMY AND PHYSIOLOGY

A professional course in the structure and function of the human body. (Lecture and laboratory. Fall for nurses only; Spring for other students)

108 MICROBIOLOGY

Basic microbial features are considered as well as applications of microbiology to the fields of medicine and sanitation. (3 hours lecture, 3 hours laboratory. For student nurses only. Prereq.: Chemistry 103. Spring)

110 MAN AND THE ENVIRONMENT

The concept of the ECOSYSTEM, looking at some of its homeostatic mechanisms. The impact man has made upon the ecosystem with his urbanization, pollution, and population explosion. Laboratory demonstration of lecture concepts. The present situation in the natural world in light of the Christian ethic. Does not apply toward the biology major. (Interim)

111, 112 GENERAL BIOLOGY

A comprehensive introduction to biological science. For biology and other science majors. The course includes an introduction to molecular biology, cellular biology, genetics, developmental biology, evolutionary mechanisms, anatomy, physiology, ecology, and phylogenetic relationships of organisms. Must be taken in sequence except by permission of instructor. (3 hours lecture; 4 hours laboratory. 111, Fall; 112, Spring)

351 INVERTEBRATE ZOOLOGY

The major invertebrate types stressing classification, morphology, behavior, life history, and evolutionary relationships. (3 hours lecture, 4 hours laboratory. Prereq.: 112. Fall)

353 COMPARATIVE VERTEBRATE ZOOLOGY

A comparative study dealing with the classification, morphology, evolution, distribution, behavior, and population dynamics of the vertebrates. Prereq.: 112. Interim)

355 GENETICS

The principles of heredity with emphasis on recent advances in human genetics. Laboratory work stressing Drosophila and certain micro-organisms. (3 hours lecture, 4 hours laboratory. Prereq.: 112. Spring)

361 PLANT BIOLOGY

A survey of the major divisions of the plant kingdom including the study of anatomy, life histories, and taxonomy. (3 hours lecture, 4 hours laboratory. Prereq.: 112. Spring)

367 BIOCHEMISTRY

An introductory consideration of the chemistry of proteins, carbohydrates, lipids and nucleic acids including intermediary metabolism. (3 hours lecture. Prereq.: 112; Chemistry 223 or 352 or #. Fall)

471 CELLULAR BIOLOGY

A study correlating cell function with ultra-structure. Laboratory work includes micro-technique, cytological studies, cell physiology and tissue culture. (3 hours class, 4 hours laboratory. Prereq.: 112, 367 or #; Physics 103 or 122 or #. Interim)

473 PHYSIOLOGY

A study of the physical and chemical processes occurring in animals with emphasis on the vertebrates. (3 hours class, 4 hours laboratory. Prereq.: 112; Chemistry 223 or 352 or #; Physics 103 or 122 or #. Fall)

474 DEVELOPMENTAL BIOLOGY

A consideration of the physiological and morphological changes which occur during the development of organisms with emphasis on the vertebrate animals. Experimental as well as descriptive studies are included in the laboratory work. (3 hours class, 4 hours laboratory. Prereq.: 112. Spring)

476 MICROBIOLOGY

An introduction to the study of micro-organisms with emphasis on bacteria and viruses. Microbial taxonomy, morphology, physiology, genetics, and pathogenicity are considered as well as certain methods. (3 hours class, 4 hours laboratory. Prereq.: 112, 367 or #. Fall)

481 ECOLOGY

A survey of representative biological communities; the study of reciprocal relationships between organisms and their environments. (3 hours class, 4 hours laboratory, some Saturday field trips. Prereq.: 112, 361 or #. Spring)

491 SEMINAR

Discussions of topics based on biological literature and research. Topics may concern research performed by students in independent study projects. Course credit is not given for seminar, but juniors and seniors who plan to major in biology or natural science (for premedical students) are expected to participate, with seniors presenting papers. (Weekly meetings. Fall, Spring)

499 INDEPENDENT STUDY

Individual laboratory, field, or library research under the direction of an instructor. Intended for biology majors who are juniors or seniors. (Prereq.: 112, and previous arrangement with instructor. Fall, Interim, Spring, Summer)

Department of Business Administration, Business Education, and Economics

Chairman: Edward M. Sabella

Business Administration

MAJOR WITH ACCOUNTING SPECIALIZATION: Business Administration 101, 102, 131, 261, 262, 263, 379, 381, and either 483 or 484. Economics 122, 123, 251 and one additional course selected from 258 or 391 or 392 are also required. For those planning on careers in accounting, completion of the two remaining courses in the sequence 381, 382, 483, 484 is recommended. In addition, courses in data processing and computer programming are strongly recommended.

MAJOR WITH FINANCE SPECIALIZATION: Business Administration 101, 102, 131, 261, 262, 373, 379, 478, and one other course from the sequence 381, 382, 483. Economics 122, 123, 251 and one additional course selected from 258 or 391 or 392 are also required. (392 is strongly recommended.) In addition, courses in data processing and computer programming are strongly recommended.

MINOR: 6 courses, including Business Administration 101, 102, and one of 261, 373, 379, 478; and one of 262, 379, 381; and Economics 122 and 123.

HONORS MAJOR: GPA of 3.50 in the major, with average of 3.0 over-all; a senior thesis and comprehensive oral examination in the major field of concentration.

C.P.A. CERTIFICATION: Graduates who wish to take the Certified Public Accountants (C.P.A.) examination prior to fulfilling the experience requirement must have completed the major in Business Administration-Accounting, taken all accounting and business-law courses offered, fulfilled the Natural Sciences or Mathematics general college requirement by taking mathematics, and completed at least 5 courses but not more than 12 courses of related business subject (Economics, Finance, and Mathematics.) Students who have completed the above requirements are qualified under the rules of the Minnesota State Board of Accountancy to sit for the examination immediately after graduation.

101 INTRODUCTION TO ACCOUNTING

Introduction to business activities, basic concepts and fundamentals of accounting, financial planning and budgeting, cost control, and performance measurement. (Fall, Interim)

102 PRINCIPLES OF FINANCIAL ACCOUNTING

Formulation of general purpose financial statements, and their evaluation from perspectives of various user groups such as creditors, investors, governmental agencies, and the public. (Prereq.: 101. Interim, Spring)

131 BUSINESS LAW

Legal rules relating to contracts, agency, negotiable instruments, property and business organizations under the Uniform Commercial Code. (Interim, Spring)

261 FUNDAMENTALS OF FINANCE

Theory of acquisition, allocation, and management of funds within the firm: sources and uses of long and short term funds, cost of capital, capital budgeting, leverage, dividend policy, and related topics. (Prereq.: 101, 102. Fall)

262 INTERMEDIATE ACCOUNTING I

An analysis of accounting theory pertaining to financial statements, income concepts, capital stock and surplus accounts, current and long-term assets. (Prereq.: 101, 102. Fall)

263 INTERMEDIATE ACCOUNTING II

An analysis of accounting theory pertaining to investments, tangible and intangible fixed assets, liabilities and reserves, actuarial topics. Additional emphasis on income determination considering price level changes. (Prereq.: 262. Spring)

373 FINANCIAL MANAGEMENT: THEORY AND CASES

Advanced financial theory: a systems approach to financial structure and policy. Emphasis on decision-making, presentation through literature readings, lectures, and case material. (Prereq.: 261. Spring)

379 QUANTITATIVE METHODS FOR ECONOMICS AND BUSINESS

An introduction to quantitative reasoning, descriptive measures, probability, sampling distributions, inference and estimation with emphasis on their use in applied problems in business and economics. (Prereq.: High School Algebra. Fall)

381 MANAGERIAL ACCOUNTING

Accounting tools for planning and control of economic activities. Planning, budgeting, standard cost systems, as well as other quantitative and behavioral topics. (Prereq.: 101, 102. Spring)

382 TAX ACCOUNTING

The more common and important provisions of federal income taxes for individuals and various forms of business enterprises. (Prereq.: 101, 102. Spring. Offered alternate years)

399 INTERNSHIP PROGRAM

A student may receive course credits through an internship program which is applicable to but not required for the major. This program will afford the student the opportunity to spend one full term working with some industrial organization. In addition the student will write a report on his activities. (Prereq.: #. Fall, Interim, Spring, Summer)

478 INVESTMENTS AND FINANCIAL INSTITUTIONS

Appraisal of the risk/return relationships of various types of securities from the viewpoint of both individual and institutional investors. Extensive coverage of capital markets and portfolio management. (Prereq.: 261. Economics 392 is strongly recommended. Fall)

483 AUDITING

Internal and external auditing procedures. Emphasis on internal checks and controls for accounting systems. (Prereq.: 263. Fall)

484 ADVANCED ACCOUNTING

Partnership accounting, fund accounting, insurance, estate and trusts, parent and subsidiary accounting. (Prereq.: 263. Spring. Offered alternate years)

495 TOPICS

Lectures, discussions, meetings with members of the staff or visiting faculty regarding research methodology and readings in the areas of Accounting, Finance or General Business. (Prereq.: #. Fall, Interim, Spring: On Demand)

499 INDEPENDENT STUDY

The student may earn independent study credits through individually supervised projects designed to afford him the opportunity to analyze some topic or issue in depth. (Prereq.: #. Fall, Interim, Spring)

Business Education

MAJOR: 12-14 Courses.

CORE PROGRAM: Business Administration 101, 102, 131; Business Education 110, 364, 460, 465; Economics 122, 123; high school typewriting or equivalent required. In addition, courses in data processing and computer programming are recommended.

ACCOUNTING SPECIALIZATION: Core plus Business Administration 262, 263, and Business Education 108.

ECONOMICS SPECIALIZATION: Core plus Economics 251, 258, 391 or 392.

SECRETARIAL SPECIALIZATION: Core plus Business Education 221, 350, and 353.

OFFICE SPECIALIZATION: Core plus Business Education 108, 350, and English 219.

MINOR: Five courses in Business Education.

COMPREHENSIVE MAJOR: Core plus 5 other courses including Business Education 108, 121, 350 and 353.

TWO-YEAR SECRETARIAL PROGRAM

If a student desires a two-year secretarial program, a certificate will be awarded upon completion of the following: Business Education 108, 110, 221, 350, 353, 364, 460 and Business Administration 101, 102, 131 and Economics 120. A student in the two-year program must select six courses from the general education requirements.

HONORS MAJOR: GPA of 3.50 in the major, with average of 3.0 over-all; a senior thesis and comprehensive oral examination in the major field of concentration.

101 ELEMENTARY TYPEWRITER (No Credit)

The fundamental skills of typewriter. Emphasis on personal use. Not available to students who have had one year of high school typewriting. (Interim)

108 CALCULATING MACHINES

Operation of ten-key adding machine; rotary, printing and electronic calculators. (Fall)

110 OFFICE TECHNOLOGY

Operation of transcription machines, filing and records management, introduction to data processing, and efficient handling of office duties. (Interim)

221 ELEMENTARY SHORTHAND

Fundamentals of Gregg Shorthand (Diamond Jubilee) with emphasis on theory, reading, and writing shorthand. Introduction to transcription. Development of speed in transcribing material dictated at minimum speed of 80 words a minute. (Not open to students who have had one year of shorthand in high school. Fall)

350 ADVANCED TYPEWRITING

Development of typewriting technique in business letter arrangement, billing, tabulating, manuscripts, legal documents, and duplicating. (Prereq.: High school typewriting or equivalent. Spring)

353 ADVANCED SHORTHAND

Advanced study of Gregg Shorthand with rapid dictation and transcription of material dictated at speeds of 80-120 words a minute. (Prereq.: 121 or equivalent. Spring)

364 BUSINESS COMMUNICATIONS

Communication in the office through use of telephone, telegram, and writing of business letters, memorandums, manuals and reports. (Fall. Offered alternate years, 1973-74)

399 INTERNSHIP PROGRAM

A student may receive course credits through an internship program which is applicable to but not required for the major. This program will afford the student the opportunity to spend some time working with some organization. In addition, the student will write a report on his activities. (Prereq.: #. Fall, Interim, Spring, Summer)

460 OFFICE MANAGEMENT

Problems relating to supervision and management in the business office, selection and training of employees; and human relations within the office. (Spring)

465 BUSINESS SEMINAR--MARKETING

Principles of marketing with emphasis on distribution and the role of the consumer in the marketing process. Materials and methods in teaching of basic business subjects and projects in marketing. (Fall. Offered alternate years, 1974-75)

Economics

MAJOR: ECONOMICS

Economics 122, 123, 251, 258, 454 and three other courses of economics offerings. Business Administration 101, 102, 379, also required. The complete calculus sequence is very strongly recommended for those planning graduate study in economics. Mathematics 373 may be substituted for Business Administration 379. In addition, courses in data processing and computer programming are strongly recommended.

COMBINED MAJOR: ECONOMICS-BUSINESS ADMINISTRATION

Economics 122, 123, 251, 258 and one other course from economics offerings. Business Administration 101, 102, 261, 373, 379 and one other course from business administration offerings also required. In addition, courses in data processing and computer programming are highly recommended.

MINOR:

Economics 122, 123, 251, 258 and one other course from economics offerings.

HONORS MAJOR:

GPA of 3.50 in the major, with average of 3.0 over-all; a senior thesis and comprehensive oral examination in the major field of concentration.

SOCIAL STUDIES TEACHER CERTIFICATION

Students who complete the major in economics may qualify for certification as a secondary school social studies teacher if in addition to the major, they complete courses in each of the following areas: geography, history, political science, and sociology. They must also complete the required education courses. For details, consult with the Department of Education.

Economics 120, 122 and 123 will satisfy general education requirements.
Economics 120 will satisfy the urban concerns requirement.

120 ECONOMICS OF URBAN ISSUES

Study of the economic implications of the many problems facing a metro-urban environment. Some of the topics to be discussed are: Population "Crisis"; Draft versus an All-Volunteer Army; Ecology and Income Distribution; Distributing Free Bread; Mass Transit Systems, etc.

Note: Economics 120 is a basic course designed for those students who do not plan to major in either Economics, Business Administration or Business Education. Students who plan to major in the above three areas should enroll in 122 and 123 rather than 120. 122 and 123 are also open to non-majors.
(Fall, Interim, Spring)

122 PRINCIPLES OF ECONOMICS (MACRO)

An introduction to macro-economics; national income analysis, monetary and fiscal policy, international trade, economic growth. Application of elementary economic theory to current economic problems. May be taken independently of Economics 123 or 120. Economics 122 and 123 may be taken in either order, or may be taken in the same term in order for the student to progress more rapidly to other courses. (Fall, Interim, Spring)

123 PRINCIPLES OF ECONOMICS (MICRO)

An introduction to micro-economics, the theory of the household, firm, market structures and income distribution. Application of elementary economic theory to market policy. May be taken independently of Economics 122 or 120. Economics 122 and 123 may be taken in either order, or may be taken in the same term in order for the student to progress more rapidly to other courses. (Fall, Interim, Spring)

251 INTERMEDIATE MICRO-ECONOMICS

Theory of resource allocation, analysis of consumer behavior, firm and industry; the pricing of factors of production and income distribution; introduction to welfare economics. (Prereq.: 123. Fall, Spring)

258 INTERMEDIATE MACRO-ECONOMICS

Determinants of national income, employment and price level analyzed via macro-models. Attention paid to areas of monetary-fiscal policy, growth and the business cycle. (Prereq.: 122. Fall)

379 QUANTITATIVE METHODS FOR ECONOMICS AND BUSINESS

See under Department of Business Administration.

391 PUBLIC FINANCE

Analysis of the principles of taxation and public expenditures; the impact of fiscal policy on economic activity; debt policy and its economic implications. (Prereq.: 123. Fall)

392 MONEY AND BANKING

Functioning of the monetary and banking systems, particularly commercial banks, the Federal Reserve System and its role in relation to aggregate economic activity. Emphasis placed on monetary theory and policy. (Prereq.: 122. Spring)

399 INTERNSHIP PROGRAM

A student may receive course credits through an internship program which is applicable to but not required for the major. This program will afford the student the opportunity to spend some time working with some organization. In addition, the student will write a report on his activities. (Prereq.: #. Fall, Interim, Spring, Summer)

453 ECONOMICS OF LABOR AND POVERTY

Analysis of labor markets; determination of wages, collective bargaining. Particular attention paid to the economic problems of minority groups and poverty areas. (Prereq.: 251 or #. Spring)

454 WELFARE ECONOMICS

Basic concepts and propositions; Pareto optimality, economic efficiency of alternative market structures; social welfare functions; normative concepts of economic theory. (Prereq.: 251 or #. Spring, alternate years)

495 TOPICS

Lectures, discussions, meetings with members of the staff or visiting faculty regarding research methodology and current national and international economic problems and policies. (Prereq.: #. Fall, Interim, Spring, On Demand)

499 INDEPENDENT STUDY

The student may earn independent study credits through individually supervised projects designed to afford him the opportunity to analyze some topic or issue in depth. (Prereq.: #. Fall, Interim, Spring)

Department of Chemistry

Chairman: Earl Alton

GRADUATION MAJOR IN CHEMISTRY: 115, 116 (or 105, 106), 351, 352, 353, 361 and one advanced course which may include Biochemistry. Physics 121, 122 and Mathematics 124, 125 also required. Participation in seminar.

AMERICAN CHEMICAL SOCIETY APPROVED MAJOR: 11 courses including 115, 116 (or 105, 106), and all chemistry courses above 350. Chemistry seminar participation; Physics 121, 122 and Mathematics 124, 125, 224. Reading ability in German equivalent to 2 semesters also required.

MINOR: 5 courses which must include 115, 116 (or 105, 106) and 3 additional courses in chemistry. 223, 353, and 361 are recommended; biochemistry may be substituted for 361.

TEACHING MAJOR: The same as the graduation major except that it is suggested that Advanced Inorganic be taken as the advanced course.

PRE-MEDICAL CHEMISTRY MAJOR: The same as the graduation major. In addition, medical schools expect at least two courses (and usually more) in biology. Students should consult members of the chemistry department for assistance in planning a course program early in their college career.

DEPARTMENTAL HONORS: Full ACS major; average of 3.50 in chemistry, mathematics, and physics; 3.00 over-all; one summer or course of approved research; participation in seminar.

Credit will not be granted for both 105 and 115; 106 and 116; 223 and 351, 352.

103 ELEMENTARY CHEMISTRY

Designed for nurses at Lutheran Deaconess and Fairview Hospitals. Selected elements of general, organic, and biological chemistry around the theme: the molecular basis of life. (3 one-hour lectures, 1 two-hour laboratory. Prereq.: high school chemistry. Fall)

105, 106 PRINCIPLES OF CHEMISTRY

Somewhat less rigorous than 115, 116; designed especially for students who will not major in chemistry, although students may go from 106 into 351, 353, or 223. Concepts and laws underlying chemistry illustrated by a variety of examples including organic and environmental systems. (3 one-hour lectures, 3 hours of laboratory. 105, Fall; 106, Spring)

115, 116 GENERAL AND QUALITATIVE ANALYSIS

An intensive course for pre-medical students and future chemists. First semester devoted to fundamental principles; and second to inorganic chemistry, qualitative analysis, and a brief introduction to organic chemistry. (3 one-hour lectures, 3 hours of laboratory. Prereq.: high school chemistry, algebra, plane geometry. 115, Fall; 116, Spring)

223 ELEMENTARY ORGANIC CHEMISTRY

Designed for medical technology students and others in a paramedical science area whose professional goals require less than the more intensive two-semester organic course. Aliphatic and aromatic compounds with frequent reference to biochemistry. (3 one-hour lectures, 1 three-hour laboratory. Prereq.: 105 or 115. Spring)

351, 352 ORGANIC CHEMISTRY

Important classes of organic compounds with special emphasis on mechanisms and multi-step synthesis. Descriptive material is correlated by means of modern theories of chemical bonds, energy-relations, and reaction mechanism; many applications of organic chemistry to the biological and environmental sciences. (3 one-hour lectures, one 4.5-hour laboratory. Prereq.: 106 or 116. 351, Fall; 352, Spring)

353 QUANTITATIVE ANALYTICAL CHEMISTRY

Covers volumetric analysis and solution equilibrium in detail and gives an introduction to spectrophotometric techniques of analysis. The laboratory involves quantitative analysis of a variety of samples, and includes trace analysis. (Prereq.: 106 or 116. Offered Interim for majors as per Interim schedule. Offered Spring, especially for Medical Technology majors: 3 lectures, one 4.5 hour laboratory)

361, 362 PHYSICAL CHEMISTRY

The basic theoretical concepts of chemistry: thermodynamics, kinetics, quantum theory, and states of matter. Applications of these concepts to areas of molecular structure, equilibria and electrochemistry in the second semester. (3 one-hour lectures, one 4.5-hour laboratory. Prereq.: 353; Physics 121, 122; Mathematics 124, 125. 361, Fall; 362, Spring)

464 ADVANCED ORGANIC CHEMISTRY

Organized around the problems of identifying organic compounds in the laboratory. Lecture topics include structure-spectra correlations for IR, UV, NMR, and mass spectroscopy; use of the literature (including Beilstein); and further study of reaction mechanisms. Infrared and ultraviolet spectra routinely used. (3 hours lecture, 6 hours laboratory. Prereq.: 352, 353, 361 or #; some reading knowledge of German. Spring)

481 ADVANCED ANALYTICAL CHEMISTRY

Principles of atomic and molecular spectroscopy as applied to analytical methods as well as chromatographic and electro-analytical techniques of analysis. (3 hours lecture, one 4.5-hour laboratory. Prereq.: 353, 362, or #. Fall)

482 ADVANCED INORGANIC CHEMISTRY

Correlation of inorganic reactions using the electrostatic, valence bond, and molecular orbital models. Coordination chemistry is discussed in terms of ligand field theory. The laboratory involves preparations of inorganic compounds using a variety of techniques. (3 one-hour lectures, 1 three-hour laboratory. Prereq.: 362 or #. Spring)

483 QUANTUM CHEMISTRY

Presents quantum theory in terms of Schrodinger's wave equation and uses the equation to solve the problems of the harmonic oscillator and the hydrogen atom. Approximate solutions are introduced and used to develop molecular orbital theory for molecules. Includes commutators, electron spin, angular momentum and group theory. (3 one-hour lectures. Prereq.: 361 or #. Fall)

491 CHEMISTRY SEMINAR

This seminar, which has no course credit, is a weekly meeting of chemistry majors under the direction of the Augsburg Chemistry Society. Juniors and seniors are expected to participate, with seniors presenting papers. Outside visitors are occasionally invited to participate.

497 CHEMISTRY RESEARCH

Chemistry majors planning research careers need research experience before graduation. Such experience may be obtained by working on a summer research project in the department (not counted as a course) or by research participation during the academic year.

East Asian Studies

This major, offered by the five colleges in the Cooperative Program, consists of 12 to 16 courses distributed as follows:

- Four courses in Chinese and/or Japanese language*
- Four courses in cultural specialization*
- Four courses in comparative emphases*

Confer with Donald Gustafson of the history department, or Donald Steinmetz of the foreign languages department, for information on specific courses that may apply toward this major.

Department of Education

Acting Chairman: Laretta E. Pelton

The courses, Orientation to Education, are open to all students of sophomore standing or above. To enroll in other education courses, a student must have the approval of the department or be admitted to the teacher education curriculum. Application for admission should be made in the Spring semester of the sophomore year.

Elementary Education

ELEMENTARY EDUCATION MAJOR: 8 courses including 255, 361, 362, 371, 372, one interim, and two of 481, 482, 483, 484, Health and Physical Education 111, and Library Science 358 also required. An academic minor is required; and an academic major is recommended.

255 ORIENTATION TO EDUCATION IN URBAN SETTING (Elementary)

Investigation of various aspects of the teaching profession and opportunity for in-school work. Open to all students. (Prereq.: sophomore standing. Fall, Spring)

361, 362 TEACHER COMPETENCIES

Identification and mastery of competencies necessary for teaching in the elementary school. Laboratory experiences in classrooms. (Prereq.: Admission to elementary education. Fall, Spring)

371, 372 ELEMENTARY CURRICULUM: METHODS AND MATERIALS

Examination and preparation of materials and resources for each of the subject areas taught at the elementary level. Application of teacher competencies to each of the subject areas. Laboratory experiences in classrooms. (Prereq.: Concurrent registration in 361, 362. Fall, Spring)

478 SCHOOL AND SOCIETY

See under Secondary Education.

481, 482 STUDENT TEACHING I

Experience in observing and directing learning experiences in elementary school under supervision of college and elementary school personnel. (Prereq.: 361, 362, 371, 372. Fall, Spring)

483 STUDENT TEACHING II

Refinement of teaching skills at elementary level. Additional teaching experience in the classroom. (Prereq.: 481 or 482. Fall, Spring)

484 STUDENT TEACHING II

Refinement of teaching skills at elementary level. Additional teaching experience in the classroom. (Prereq.: 481 or 482 and 483. Offered on demand)

499 INDEPENDENT STUDY

Independent study and research on a topic of interest in the field of education, worked out in consultation with a faculty member. (Open to juniors and seniors. Fall, Spring)

Secondary Education

It is the responsibility of each student to meet requirements and apply for admission to the Education Department.

Requirements for admittance to Secondary Education.

1. Orientation to Education (Sec.) 265. (May be taken concurrently with Special Methods 360-376)
2. Safety and Drug Education 111.
3. General Psychology 105.

Secondary Education Certification Requirements.

1. An approved academic major. A second academic major is strongly recommended.
2. Special Methods in major 360-376. (Prereq.: 265 or concurrent registration in 265)
3. Four courses in Professional Term.
 - a. General Methods 459.
 - b. School and Society 478.
 - c. Student Teaching (2 courses) 480, 481.

265 ORIENTATION TO EDUCATION (Secondary)

Investigation of various aspects of the teaching profession. Human relations. Opportunity for in-school work. Open to all students. (Prereq.: sophomore standing. Fall, Spring)

SPECIAL METHODS IN THE MAJOR

Teaching procedures, materials and problems at the secondary level in the major concentration. (Prereq.: 265 or concurrent registration in 265. Spring)

360 AMERICAN STUDIES METHODS

361 ART METHODS (Elementary and Secondary)

362 BUSINESS METHODS

365 HEALTH AND PHYSICAL EDUCATION METHODS (Elementary and Secondary)

369 ENGLISH METHODS

370 SOCIAL STUDIES METHODS

371 MATHEMATICS METHODS

373 MUSIC METHODS (Elementary and Secondary)

374 NATURAL SCIENCE METHODS

375 FOREIGN LANGUAGE METHODS

376 SPEECH METHODS

399 INTERNSHIP

459 METHODS IN SECONDARY EDUCATION

Teaching procedures, material and problems at the secondary level. Seminars are integrated with direct involvement in the classroom. (Fall, Spring)

478 SCHOOL AND SOCIETY

The emphasis in this course is on the school in relation to society with particular attention to urban education. Introduced by a study of educational philosophy and the development of American education, current major issues in education will be studied. *(Fall, Spring)*

480, 481 STUDENT TEACHING

Students will be placed in a classroom for full days. Opportunities are provided for experience in observing and directing learning experiences on the secondary level under the supervision of college and high school personnel. Seminars will be held on a regular basis during the student teaching experience. *(Prereq.: 265, 459, Special Methods. Fall, Spring)*

499 INDEPENDENT STUDY

Geography

114 HUMAN GEOGRAPHY

An introduction to the basic concepts and tools of geography followed by a survey of the distribution patterns to be found in our physical and human environment.

Library Science

MINOR: Minimum of 4 courses, including 245, 358, 359, 475.

245 THE MEDIA CENTER: ORGANIZATION AND ADMINISTRATION

Organization of materials, including acquisition, processing and circulation. Services of the media center and methods of evaluation. *(Fall)*

358 THE ELEMENTARY SCHOOL LIBRARY: MATERIALS SELECTION AND GUIDANCE

Characteristics and purposes of an elementary school library. Extensive study of evaluation sources, book talks, storytelling, curriculum needs. Concentration on guidance in use of print and non-print materials. *(Fall)*

359 REFERENCE SERVICES IN THE LIBRARY

Study of basic information sources most frequently used by students and librarians. Includes preparation of bibliographies and library instruction. *(Spring)*

399 INTERNSHIP

Open to juniors and seniors. An opportunity to do field work in a variety of library situations in the metropolitan area.

475 THE HIGH SCHOOL LIBRARY: MATERIALS SELECTION AND GUIDANCE

Survey and evaluation of library materials on the secondary school level, with attention to their use in relation to curricula as well as for personal interests and needs of adolescents. *(Spring)*

499 INDEPENDENT STUDY

Independent study and research on some topic of interest in the field of school library service, worked out in consultation with a faculty adviser. Open to juniors and seniors, with department approval.

Department of English

Acting chairman: Ronald Palosaari

MAJOR: 9 courses, including 3 courses in British literature (1 course from literature before 1660), 1 course in American literature, 1 course in world literature (a course outside the Anglo-American tradition), and course 219.

MAJOR FOR SECONDARY TEACHING: 10 courses, including those listed for the major and 320. A course in expository writing (219) is required. Courses 250 and 438 recommended. Speech 111 or 352 or 355, and 360 or 366; and Library Science 475 are required.

HONORS MAJOR: GPA of 3.5 in the major and 3.0 over-all; submit program to department chairman early in senior year; defend honors thesis before faculty committee in senior year. Honors thesis may be an independent study program.

MINOR: 5 courses, including one course in British literature, and either 219 or 320. Teaching minors must include both 219 and 320.

English 111 is strongly recommended but not a prerequisite for a lower division literature course. Prerequisite for an upper division course is successful completion of a lower division literature course.

111 EFFECTIVE WRITING

The study of composition with emphasis upon expository writing. Attention to correct usage, logical organization and the research paper. *(Fall, Spring)*

219 ADVANCED WRITING

A course designed to develop advanced skills in a variety of writing specializations. The focus of each course will shift from term to term, e.g., Advanced Writing: Expository; Advanced Writing: Creative; Advanced Writing: Journalism; Advanced Writing: Business and Technical. *(Fall, Spring)*

241 INTRODUCTION TO CINEMA ART

An investigation of the artistic value and the historical significance of the film medium. See also description under Speech, Communication, and Theatre Arts. *(Spring)*

250 AMERICAN LITERATURE TO 1920

Works of selected American writers from Colonial times through the emergence of naturalism; reading and analysis of significant works; attention is also given to the contribution of the writer to the historical development and literary movements of American literature. *(Fall, Spring)*

261 MODERN FICTION

Significant works of selected prose writers, chiefly European, of the twentieth century. *(Fall, Spring)*

271 GREEK AND ROMAN LITERATURE

Study of the works of selected classical Greek and Roman writers in the various genre, and the influence of the classical tradition on later Western literature. *(Fall, Spring)*

272 LITERARY CLASSICS

Reading, analysis, discussion of selected European classics from the Renaissance to the Modern Age, chiefly non-English writers. *(Fall, Spring)*

288 LITERARY CRITICISM

A course designed to introduce students to the various ways in which modern literary critics have approached the problem of analyzing and evaluating literature. Students will study the works of historical, psychological, textual, and archetypal critics, and then attempt to apply such approaches to selected works of literature.

320 DEVELOPMENT OF THE ENGLISH LANGUAGE

A study of modern English viewed from a historical perspective, with reading in recent linguistic studies. Designed to give the student an introduction to structural linguistics and a view of the development of the English language. (*Spring*)

331 CHAUCER AND HIS AGE

While the primary study of the course will be the writings of Geoffrey Chaucer, considerable attention will be given to the medieval literary milieu out of which Chaucer wrote. Medieval poetry, romance, and drama will be examined. (*Alternate years, 1974-75, Fall*)

332 MILTON AND HIS AGE

A study of Milton's major poems and selected prose. In addition the Renaissance literary tradition out of which Milton created his works will be examined. (*Alternate years, 1973-74*)

336 BRITISH LITERATURE, FROM DONNE TO BLAKE

Reading, analysis, and discussion of works of selected writers from the metaphysical poets through Blake, with attention to the historical, intellectual, and social influences and the major literary movements. (*Fall*)

337 BRITISH LITERATURE, THE ROMANTICS AND THE VICTORIANS

Study of the works of significant Romantic and Victorian poets, critics, essayists and novelists and of the major literary movements of the century. (*Spring*)

351 AMERICAN LITERATURE SINCE 1920

A study of some recent and contemporary writers and literary movements. Attention is given to the dynamics of American society and its intricate relationship to the literature. Special emphasis is given to the city as setting and symbol in modern American literature. (*Fall, Spring*)

367 MODERN POETRY

Study of the work of selected twentieth century poets, chiefly British and American, with attention to recent criticism. (*Alternate years, 1974-75, Fall*)

368 MODERN DRAMA

Significant works of American, British, and continental dramatists of the twentieth century. (*Alternate years, 1974-75, Fall*)

375 MODERN SCANDINAVIAN NOVEL

See description under Scandinavian Studies 351.

376 MODERN SCANDINAVIAN DRAMA

See description under Scandinavian Studies 352.

399 INTERNSHIP

Interested students should consult the Department Chairman or the Internship Director.

423 STUDIES IN THE NOVEL

A survey of the development of the novel through study of the selected British, American, and Continental novels. (*Alternate years, 1974-75, Fall*)

438 SHAKESPEARE

Study of ten or twelve major plays--comedies, histories, tragedies--with attention to the development of Shakespeare's dramatic and poetic art. Additional plays assigned for reading analysis. (*Spring*)

490, 491 ENGLISH SEMINAR

Course 490, a theme or movement; course 491, a major writer or a major work. Enrollment open to juniors and seniors. (*Fall, Spring*)

499 INDEPENDENT STUDY

Open to junior or senior English majors with a grade of B or consent of department chairman. Provides directed independent study in the area of the student's choice. (*Fall, Spring*)

Department of Foreign Language

Chairman: Donald Steinmetz

Students with previous foreign language study should register in courses suited for their particular level of preparation. Basically, placement in foreign language courses follows the formula: 1 year of high school foreign language equals 1 term of college foreign language. To allow for individual differences, however, final placement is made according to the results of a placement test which may be taken at the beginning of any term and after consultation with the instructor. Students placed in a particular course wishing to register for a more elementary course may do so, but only for a grade of P/N.

French

MAJOR: 8 courses above 212, including two in conversation-composition, one in civilization, and three in literature, of which one should be course 352. One interim plus one semester, or one semester plus one summer of study in France strongly recommended.

MINOR: 4 courses above 212, including one in conversation-composition, one in civilization, and one in literature. One interim or summer of study in France strongly recommended.

RECOMMENDED SUPPORTING COURSES: Methods in Modern Languages, for teachers; European History, a second language, linguistics, English literature.

011 DIRECTED STUDY

Conversational French, readings. Once weekly. No credit. Offered on demand.

111 BEGINNING FRENCH

Designed to introduce the student with no previous background in French to the language and to French culture. The pronunciation system, basic noun groups and verb forms, and sentence structures are taught to enable understanding and speaking on a rudimentary level. Two hours laboratory work. See above on advanced placement. (*Fall, Spring*)

112 BEGINNING FRENCH

For those who have had 111 or equivalent. Through conversations, sentence practice, and readings, the study of tenses and forms is completed to make possible basic communication, beginning reading skills, and acquaintance with French culture and way of life. Two hours laboratory work. See above on advanced placement. *(Spring)*

211 INTERMEDIATE FRENCH

Those who have studied most of the basic structures may here review all tenses and some other structures through a core of twentieth-century French literary readings. This course moves toward expressing opinions and greater ease in reading. Two hours laboratory work. *(Fall)*

212 INTERMEDIATE FRENCH

Completes the review of basic structures and more complex forms. Several twentieth-century literary works are explored with the goals of communicating ideas and building sufficient reading skill to pursue general reading and literary study in French. *(Spring)*

243 FRENCH LITERATURE IN TRANSLATION

Major representative works of French literature read in English translation. Through individualized background reading and class discussion, students become acquainted with artistic qualities and cultural-historical significance of these works. Sophomore standing. Does not count toward a French major or minor. *(Fall)*

311 CONVERSATION-COMPOSITION

Post-intermediate level. Explores topics of current interest in both oral and written form to build fluency, accuracy, and facility of expression. Emphasis on vocabulary enrichment, grammatical refinements, effective organization of ideas. Laboratory assignments. A prerequisite to other upper division courses. *(Fall)*

312 FRENCH EXPRESSION

A two-pronged approach to coherent and correct expression. Attention to grammatical structures, French turns of phrase and elementary stylistics. French phonology and speech groups practiced to overcome inadequacies and incorrect speech habits. *(Prereq.: 311 or #. Offered Interim 1975, and yearly on demand)*

331 FRENCH CIVILIZATION: HISTORICAL PERSPECTIVE

A study of the diversified development of the French from their beginnings to the modern period. Special attention to cultural manifestations of their intellectual, political, social and artistic self-awareness. Readings, reports, extensive use of audio-visual materials. In French. *(Prereq.: 311 or consent of instructor. Offered alternate years. Spring 1976)*

332 FRENCH CIVILIZATION TODAY

Topics in twentieth-century problems, ideas, cultural manifestations that promote understanding the French people and their contribution to the contemporary scene. Readings, reports, extensive use of audio-visual materials and periodicals. In French. *(Prereq.: 311 or #. Alternate years. Spring 1975)*

351 MIDDLE AGES AND RENAISSANCE

A survey of the major literary works from the twelfth century renaissance through the sixteenth century. These include the epic, courtly romance, early historians, early theatre, lyric poetry, fiction, and the essay. Oral and written reports in French, some laboratory texts. (Prereq.: 311 or #. Fall 1974-75; offered every third year)

352 SEVENTEENTH CENTURY

A survey of the major literary contributors to the classical age in France and the intellectual, social, and ethical currents reflected in their works. Theatre, poetry, early novel, letters and other prose forms. Classes, oral and written reports, and laboratory work in French. Required of all majors. (Prereq.: 311 or #. Fall 1974-75. Offered alternate years)

353 1700 THROUGH ROMANTICISM

A survey of the major works contributing to the enlightenment or age of reason and the romantic movement that followed. Primarily prose writers, poets and dramatists. Classes, oral and written reports, and laboratory texts in French. (Spring 1976-77. Offered every third year)

354 REALISM TO WORLD WAR I

A survey of the nineteenth-century novel (Balzac, Flaubert, Zola, etc.), Baudelaire and his successors in poetry, and the literature of ideas that led to new forms and literary emphases with the turn of the century (Proust, Gide, Apollinaire, etc.) Classes, oral and written reports, and laboratory texts in French. (Prereq.: 311 or #. Fall 1975-76. Offered every third year)

355 TWENTIETH CENTURY LITERATURE

A survey of the major French literary movements since World War I, including the novel, the theatre, poetry, the essay, and criticism. Classes, oral and written reports, and laboratory texts in French. (Prereq.: 311 or #. Spring 1975-76. Offered every third year)

411 ADVANCED CONVERSATION-COMPOSITION

By means of reading, speaking and writing on topics of intellectual, social, or political interest the student acquires extensive training in the four skills at an advanced level. Attention to accuracy and effectiveness, characteristic levels of expression, refinements in style and organization as individual needs indicate. Provides for self-improvement and self-evaluation. Laboratory assignments. Required for all majors. (Prereq.: 311 or #, junior standing. Spring)

451 THE MODERN FRENCH NOVEL

A study of major authors (Proust, Mauriac, Malraux, St. Exupery, Sartre, Camus, Robbe-Grillet, Duras, etc.) that shows the evolution of this genre in theme and form. Analyses, discussion, and papers in French. (Prereq.: 311 or #. 332, 354, or 355 recommended. Spring 1977. Every third year)

452 TWENTIETH CENTURY FRENCH DRAMA

A study of modern French plays that shows the evolution of this genre from classical forms to Theatre of the Absurd and anti-theatre. Group and individualized study of major works. Analyses, discussion, and papers in French. (Prereq.: 311 or #. Recommended 332, 352, or 353. Spring 1974-75. Offered every third year)

495 FRENCH SEMINAR

Study in depth of an author, topic, or genre in French literature. Student presentations in French. For advanced students. (See Interim suggestions) (Prereq.: 311 and one survey (351, 352, 353, 354, 355) Offered upon demand)

499 INDEPENDENT STUDY

Individual pursuit of a topic, movement, or genre at an advanced level. Designed to complete a balanced program, enhance research, or meet individual interests. In literature a major paper and its defense are included. (Prereq.: 311 or #. Consultations with French teachers required. Junior standing. Fall, Interim, Spring. Subject and plan to be clarified early with study adviser)

German

MAJOR: 8 upper division courses, including 311 and 411, Interim and/or summer in Germany strongly recommended.

MINOR: 4 upper division courses, including 311 and 411. Interim and/or summer in Germany strongly recommended.

RECOMMENDED SUPPORTING COURSES: Methods in Modern Languages, for teachers; European History, a second language, linguistics, English literature.

111, 112 BEGINNING GERMAN

For students with less than 2 terms (or 2 years high school) of previous German. Aims at developing basic skills. Classroom practice in speaking, understanding and reading basic German. Laboratory materials available. (111 Fall, Spring. 112 Fall, Spring)

211, 212 INTERMEDIATE GERMAN

For students with 2 terms (or 2 years high school) of previous German. Aims at developing basic skills into working knowledge of German. Review of basic structures accompanies primary emphasis on extending range of vocabulary and idiomatic expression through reading and discussion of materials representing contemporary German life and literature. (211, Fall. 212, Spring)

244 GERMAN LITERATURE IN TRANSLATION

Principle works of German literature representing various periods and movements are read and discussed in English. The readings are considered not only in the particular context of German cultural history, but also in the more universal perspective of world literature. Credit for this course does not apply to a major or minor in German. (Fall)

311 GERMAN CONVERSATION AND COMPOSITION

Aims at developing facility in the use of grammatical structures, vocabulary and idiomatic expressions most common in colloquial German. Intensive practice in speaking is supplemented with exercises in written composition. (Fall)

331 GERMAN CIVILIZATION AND CULTURE

Survey of significant currents of development which have shaped present-day Germany, Austria and Switzerland. The contemporary scene is considered in view of its roots in the intellectual, geopolitical, artistic and scientific history of the German-speaking people. Classroom language is German, supplemented by English when helpful. (Offered alternate years. Spring, 1975, 1977)

351 SURVEY OF GERMAN LITERATURE: MEDIEVAL - 1780

Selected readings from the heroic and courtly literature of the middle ages, the Reformation era, Baroque and the pre-classic period, including Sturm und Drang, supplemented by lectures on the history of German literature and its cultural and geopolitical backgrounds. (Fall 1974, 1976)

352 SURVEY OF GERMAN LITERATURE: 1780 - 1890

Representative works of Classicism, Romanticism, Jung-Deutschland, Poetic Realism and Naturalism. Lectures treat literary history and its relation to social, political and intellectual questions. (Spring 1975, 1977)

353 SURVEY OF GERMAN LITERATURE: IMPRESSIONISM AND 20th CENTURY

Principle works of Impressionism and 20th century are read: Hofmannsthal, Mann, Hesse, Kafka, Brecht, Expressionism and post-war literature. Stress on literature as it reflects the concerns and crises of our times. (Fall 1975, 1977)

411 ADVANCED GERMAN COMPOSITION AND CONVERSATION

Aims at developing and refining the student's use of German as a vehicle for expressing his own ideas and opinions. Emphasis on written composition including control of style. Oral practice through use of German as classroom language. (Fall 1975, 1977)

451 GERMAN PROSE

Reading and discussion of German prose masterpieces from Goethe to the present. Lectures treat the development of the epic genre as a mirror of cultural and geopolitical history. (Spring 1975)

452 GERMAN DRAMA

Representative dramatic works from late 18th century to the present are discussed and read as symptomatic of general human concerns. Lectures treat the historical development of the drama. (Spring 1976, 1978)

499 INDEPENDENT STUDY

Greek

111, 112 BEGINNING GREEK

Theoretical and practical study of Greek grammar, with special emphasis on morphology. Translation exercises from and into Greek. (111 Fall, 112 Spring)

211 NEW TESTAMENT GREEK

Selection from the New Testament with special emphasis given to parsing and syntax of the Greek text. (Fall 1976, thenceforth yearly)

Linguistics

311 THEORIES OF GRAMMAR

Comparative analysis of various views of language represented in current linguistic-research: tagmemics, stratificational grammar, transformational-generative grammar, case grammar, generative semantics, with the aim of illuminating the underlying philosophical assumptions, the investigational criteria and the explanatory goals which distinguish them. The theories will also be contrasted with respect to their affiliations with adjacent disciplines such as anthropology, psychology, logic and communication theory and the way in which each theory seeks to overcome the inadequacies of traditional grammar. (Spring)

411 PSYCHOLINGUISTICS

Inquiry into the psychological foundations of language and the contribution of modern linguistics to psychology. Relevant findings of recent linguistic research are examined for their implications for various psychological topics: the acquisition and pragmatic use of language, cognitive processes, innate ideas and psychological universals. (Fall)

499 INDEPENDENT STUDY

Scandinavian Area Studies

Coordinators: Carl Chrislock, Leif Hansen and Einar Johnson

MAJOR: 8 upper division courses.

MINOR: 4 upper division courses.

All programs must contain 4 courses listed in the Augsburg College catalog or transferred to Augsburg as upper division Scandinavian Language courses, i.e., courses taught by a Scandinavian Language department or sub-department regardless of their content which may be linguistic, literary or cultural. Students graduating with a major or minor must also present the equivalent of intermediate level study of a Scandinavian language.

111, 112 BEGINNING NORWEGIAN

Introduction of the four basic language skills: speaking, listening, reading and writing. Stress on spoken rather than literary Norwegian. Laboratory work expected. (111, Fall. 112, Spring)

211 INTERMEDIATE NORWEGIAN

Continued conversation and composition to improve comprehension and facility in expression. Selected readings in Norwegian used as basis for class discussion and exercises. Brief literature survey. Laboratory work expected. (Prereq.: 112 or equivalent. Fall)

311 NORWEGIAN COMPOSITION AND CONVERSATION

Intensive practice in spoken Norwegian with emphasis on pronunciation and original composition. Some attention given to regional variations in spoken Norwegian and to differences between the two official languages of Norway. (Prereq.: 212 or equivalent. Fall)

331 CONTEMPORARY SCANDINAVIA

A broad survey of Scandinavian culture with special emphasis on conditions and developments in the twentieth century. Knowledge of a Scandinavian language desirable but not required. (Fall 1974, thenceforth when feasible)

351 THE MODERN SCANDINAVIAN NOVEL

Lectures provide a survey of the Scandinavian novel. Class discussion based on assigned reading of selected novels by Jonas Lie, Sigrud Undset, Selma Lagerlof, Par Lagerkvist, Knut Hamsun, Halldor Laxness and others. Knowledge of a Scandinavian language desirable. Language majors and minors will be required to do assigned readings and written work in a Scandinavian language. (Spring)

352 THE MODERN SCANDINAVIAN DRAMA

Readings include dramatic works by Ibsen, Bjornson, Strindberg, Lagerkvist, Munk and other twentieth century dramatists. Lectures provide a survey of Scandinavian drama with emphasis on Ibsen and Strindberg. Knowledge of a Scandinavian language desirable. Language majors and minors will be required to do assigned readings and written work in a Scandinavian language. (Spring 1975)

411 ADVANCED NORWEGIAN CONVERSATION AND COMPOSITION

Further intensive practice in spoken and written Norwegian. Some attention given to the other Scandinavian languages and to the historical development of Norwegian. Laboratory work. (*Prereq.: 311 or equivalent. Offered on demand.*)

482 SCANDINAVIAN MUSIC

See description under Department of Music.

499 INDEPENDENT STUDY

Spanish

MAJOR: 8 courses above 214, including 315, 456 or 457, 416, 352-353 or 354. (Study in Spain or Latin America strongly recommended)

MINOR: 4 courses above 214, including 315, 331, and one course in literature. (Study in Spain or Latin America strongly recommended)

111, 112 BEGINNING SPANISH

Aims to develop the four basic skills: understanding, speaking, reading, and writing of elementary Spanish. Introduction to culture of Spanish-speaking world. Laboratory work is an integral part of the course. (*111, Fall, Spring; 112, Spring*)

213, 214 INTERMEDIATE SPANISH

A thorough review of grammar with emphasis on active use of the language, supplemented by readings in culture and literature. (*Prereq.: 112 or 2 years of high school Spanish. 213, Fall; 214, Spring*)

249 SELECTED WORKS OF SPANISH AND LATIN AMERICAN LITERATURE IN TRANSLATION

Major works of Spanish and Latin American literature representing various periods and movements are read in English translation. Through background reading and class discussion in English the student is acquainted with the salient artistic qualities and cultural-historical significance of the readings. Credit in this course does not count toward a major or minor in Spanish. Sophomore standing preferred. (*Fall*)

315 SPANISH CONVERSATION AND COMPOSITION

Thorough oral and written practice in correct expression with the aims of fluency and facility. Enrichment of vocabulary. Laboratory work. (*Prereq.: 112 or equivalent. This course is a prerequisite for all upper-division courses. Fall*)

331 SPANISH CIVILIZATION AND CULTURE

Study of the Spanish character and of Spanish contribution to world civilization through its historical, intellectual, literary, and artistic movements. In Spanish. (*Spring 1976, 1978*)

352, 353 SURVEY OF SPANISH LITERATURE I, II

A study of representative authors in Spanish literature, supplemented by lectures on the literary movements and development of Spanish literature. Lectures, discussion, written and oral reports in the language. (*352, Fall 1974, 1976. 353, Fall 1975, 1977*)

354 REPRESENTATIVE HISPANIC AMERICAN AUTHORS

An introduction to Spanish American literature. Lectures, discussions, written and oral reports in the language. (*Spring 1975, 1977*)

416 ADVANCED CONVERSATION AND COMPOSITION

Emphasis on increasing facility and correctness of written and oral expression through conversations, discussions, reports, debates, and written compositions and grammatical exercises. (*Spring*)

417 ADVANCED GRAMMAR

Systematic study of the refinements of grammatical usage. (*Offered on demand*)

456 SPANISH DRAMA

Study of the masterpieces of dramatic literature in Spain. Oral and written reports in the language. Emphasis on the Golden Age and the Modern Period. (*Prereq.: One survey course. Fall 1975, 1977*)

457 SPANISH NOVEL

Study of the outstanding novelists of the nineteenth and twentieth century in Spain. Oral and written reports in the language. (*Prereq.: One survey course. Fall 1974, 1976*)

499 INDEPENDENT STUDY

Department of History

Chairman: Donald Gustafson

MAJOR: 8 courses plus 1 seminar.

At least four of these courses must be upper division. A major must have at least one course (either survey or upper level) from each of the four areas: Ancient and Medieval; Modern Europe; U.S.; and non-Western.

MAJOR FOR TEACHING: The history major, with certain supporting courses, qualifies a student for certification as a social studies teacher on the secondary level. See Mr. Gisselquist, Social Studies Education Adviser, for details.

HONORS MAJOR: GPA of 3.6 in the major and 3.0 over-all; application before the end of the first term of the junior year; two years of a foreign language at the college level (or its equivalent); an honors thesis (equal to one course credit) to be defended before a faculty committee.

MINOR: 5 courses, at least three of which must be upper division.

Students are required to take at least one survey course (numbered below 300) before registering for an upper level course. Lower level courses need not be taken in sequence.

101 THE BEGINNINGS OF THE WESTERN MAN

A look at man's first civilizations in The Near East through the high middle ages of Europe in the 1200s. (*Fall, Spring*)

102 THE SHAPING OF WESTERN MAN

A consideration of European institutions and values from the waning of the middle ages through the remodeling of Europe by Napoleon. (*Fall, Spring*)

103 THE MODERN WORLD

A study of the main currents in western civilization from the time of Napoleon to the present. (*Fall, Spring*)

104 THE MODERN NON-WESTERN WORLD

An introduction to various centers of cultural and political power in Asia and Africa of the last 200 years. *(Fall, Spring)*

221 U.S. HISTORY TO 1877

A survey of Americans from Jamestown through the efforts to reconstruct a nation torn apart by The Civil War. *(Fall)*

222 U.S. HISTORY SINCE 1877

An assessment of the century which precedes our modern day. *(Spring)*

331 20TH CENTURY U.S.: CHALLENGE OF URBANIZATION

Exploration in depth of such topics as the Progressive Movement, the New Deal, and the post-New Deal era. *(Fall)*

332 HISTORY OF AMERICAN FOREIGN POLICY

The relationship of foreign policy to general American development is stressed through the period of the Cold War. *(Spring)*

353 SELECT TOPICS IN MINNESOTA HISTORY

A survey of topics relating to the emergence of modern Minnesota: Indian-white relations; immigration and ethnic adjustments; rise of the Twin Cities; economic life and culture. Primary emphasis will be on the late 19th and early 20th Centuries.

360 THE ANCIENT NEAR EAST AND GREECE TO 338 B.C.

The development of civilization in the Near East from earliest times through its extension and elaboration by the Greeks. Emphasis is placed on achievement in the arts, sciences and political institutions. *(Fall, 1974-75)*

361 HELLENISTIC GREECE AND ROME TO 330 A.D.

A study of the development of Alexander's Empire, the Hellenistic kingdoms and the rise of Rome as the world's greatest power. Emphasis is placed on personalities, the arts and sciences and Rome's contributions in law and the political process. *(Spring, 1974-75)*

370 THE LATE MIDDLE AGES TO 1560

A study of the scholastic tradition and the role of the Church and state through the changes forced on these institutions by the Italian Renaissance and the early years of the Reformation. *(Fall, 1975-76)*

412 ENGLAND TO 1714

A study of English history from Roman Britain through the Stuart period. An attempt is made to structure the course so that it may serve the needs of those majoring in a pre-law program, in English literature or in history. *(Fall)*

416 EUROPE IN THE SEVENTEENTH CENTURY

The study of this century as the most critical period in the rise of the modern state. Emphasis is also placed on the emergence of modern science and its effect on intellectual history. The chronological boundaries may be listed as 1560-1714. *(Spring)*

440 TWENTIETH CENTURY TOPICS IN WORLD HISTORY

This course consists of units on such topics as Hitler's fascism, the collapse of colonial empires and the rise of the third world. The emphasis will be on Western Asia, Europe, and Africa in the last fifty years. *(Spring)*

463 MODERN SOUTHEAST ASIA

A study of the major historical events and developments in the area due to confrontation with and subjugation by the West. A comparative analysis of the nationalist movements will especially focus on Vietnam, Philippines, Burma and Indonesia. *(Fall)*

464 MODERN CHINA

A selective treatment of Chinese history since the Opium war of 1839. The erosion of China's isolationism and collapse of the imperial system. The Nationalist and Communist revolutions of the 20th century. *(Spring, 1974-75)*

465 MODERN JAPAN

An examination of the distinctive features of the Tokugawa Shogunate, the opening of Japan, the Meiji restoration, modernization, and Japan's emergence as a major world power in the 20th century. *(Spring, 1975-76)*

474 THE EXPANSION OF EUROPE

A selective study of the encounters between Europeans and the peoples outside Europe from Columbus to Cecil Rhodes. *(Fall)*

495 SEMINAR

Selected topics. Admission by permission of the instructor. *(Fall, Spring)*

499 INDEPENDENT STUDY

Majors with an average of 3.5 or above in history courses are encouraged to apply to individual instructors for permission to register for directed independent study. A maximum of one course in independent study may be applied toward the major.

Department of Mathematics

Chairman: Dean Gulden

MAJOR: 9 courses including 124, 125, 224, 314, 324, and 315 or 325.

MINOR: 5 courses including 124, 125, 224.

HONORS MAJOR: GPA of 3.5 in mathematics; 3.1 over-all. Comprehensive oral examination. Program must be submitted to department during first term of junior year, and must include advanced study in areas of Real Analysis, Complex Analysis, Algebra, Topology, and Mathematics-Education.

121, 122 CALCULUS I, II

Topics of algebra, trigonometry, plane analytic geometry integrated with differential and integral calculus of a single variable with applications from the non-physical sciences. Primarily for students in the social sciences. *(121, Fall; 122, Spring)*

124, 125, 224 CALCULUS I, II, III

Topics of the elements of plane and solid analytic geometry integrated with differential and integral calculus including calculus of several variables and series with applications primarily from the physical sciences. Primarily for students in the natural sciences. (124 Fall; 125, Spring; 224, Fall)

131 MATHEMATICS FOR THE ARTS

An introduction to mathematical models and structure. Primarily for students not intending further study of mathematics. No course credit will be given to mathematics majors or minors. (Fall)

211 NUMBER THEORY

A transitional course from computational to abstract mathematics. A study of the integers and their properties. (Prereq.: Consent of instructor. Spring 1975, alternate years)

226 DIFFERENTIAL EQUATIONS

Ordinary differential equations with applications; series solutions; systems of differential equations; solution by special transforms; numerical methods; and an introduction to partial differential equations. (Prereq.: 224. Spring)

242 BASIC CONCEPTS OF MATHEMATICS

The structure of mathematics underlying arithmetic and geometry. Emphasis is placed on the inductive techniques of discovery. Includes the ideas of modern elementary school mathematics curricula. Does not apply toward a major or minor in mathematics. (Spring)

351 MODERN GEOMETRY

A study of Euclidean and other geometries by synthetic, coordinate, vector and transformation methods. (Prereq.: 122 or 125. Spring 1974, offered alternate years)

373 PROBABILITY AND STATISTICS

An analytic study of probability and statistics, including probability distributions and densities, expectation, sampling distributions, central limit theorem, estimation, regression and tests of hypotheses. (Prereq.: 224. Fall)

314 INTRODUCTION TO MODERN ALGEBRA

A rigorous investigation of the basic structures of algebra including groups, rings, integral domains and fields. (Prereq.: 224. 211 is recommended. Fall)

315 LINEAR ALGEBRA

A study of vector spaces, linear transformations, the algebra of matrices and canonical forms. (Prereq.: 314. Spring)

324, 325 ADVANCED CALCULUS I, II

A study of the fundamental concepts of calculus for functions of several variables, including transformations, sequences and series of functions, improper integrals, differential forms and manifolds, and vector analysis. (Prereq.: 224. 324, Spring; 325, Fall)

399 INTERNSHIP

Consult Chairman or Internship Director to determine project.

416 TOPICS IN ALGEBRA

An in depth study of topics introduced in Introduction to Modern Algebra, including extension fields and an introduction to Galois Theory. (Prereq.: 314. Spring 1975, offered alternate years)

427 INTRODUCTION TO COMPLEX VARIABLES

Complex numbers, complex functions, integration and differentiation of complex functions, Taylor and Laurent series, residues. (Prereq.: 324. Spring 1975, offered alternate years)

441 FOUNDATIONS OF MATHEMATICS

Set theory, logic, axiomatic method, and development of number systems. (Prereq.: 315, 324. Spring 1974, offered alternate years)

454 TOPOLOGY

Topological spaces, metric spaces, product spaces, mappings, compactness, connectedness, separation and countability axioms. (Prereq.: 324 or concurrent registration. Spring 1974, offered alternate years)

499 INDEPENDENT STUDY

Topics defined through consultation between student and department.

Computer Science

245 INTRODUCTION TO PROGRAMMING

An introduction to computer methods and languages with the primary language being FORTRAN. Does not apply toward a major or minor in mathematics. (Interim)

Medical Technology

This major involves the completion of three years of academic work at Augsburg College and twelve months of internship at Hennepin General Hospital, Metropolitan Medical Center or Northwestern Hospital. Specific recommended courses vary to some extent depending on the hospital with which the student plans to affiliate. It is important to work closely with the Medical Technology adviser.

Required science courses: 1) Biology: 111, 112 and two additional upper division (usually 367 and 476); 2) Chemistry: 105, 106 (or 115, 116), 223 (or 351, 352), 353.

Metro-Urban Studies

Director: Joel S. Torstenson

MAJOR: 15 courses including the following core requirements: Economics 120; Political Science 122; Psychology 373; Sociology 111, 362, 363, 381, and 383; plus a trans-disciplinary seminar in metro-urban planning*; a minimum of one course in internship and/or independent study.

The following electives are suggested for completing the major: Art 102; Biology 110; Business Administration 131; Business Education 101; Computer Science 245; Education 478; English 351; Psychology 351 and 352; Religion 360; Speech 342; others, including interims, internships, and independent studies, by approval of the Director and the Advisory Council.

METRO-URBAN STUDIES CONCENTRATION: To be linked with appropriate majors (such as business administration, business education, political science, psychology, religion, sociology, speech). The following core courses are required for the Concentration: Economics 120; Political Science 122; Sociology 111; a trans-disciplinary seminar in metro-urban planning*; an approved Social Science Research course; an approved internship and/or independent study.

* The course in metro-urban planning is not as yet a regular part of the course offerings. The interim, independent study, and internship can provide opportunities for such a course. For planning either the Major or the Concentration, consult the Director of the program. Creative alternatives to the above suggested programs will be considered.

Department of Music

Chairman: Robert Karlén

MAJOR: 12 courses: 101, 102, 223, 224, 260, 261, 350 or 476, 354 or 355, 365 or 375, 457, 458, 4 years of Performance Studies, 2 years in a music organization; piano proficiency, and music repertoire test.

TEACHING MAJOR: 11 courses. 101, 102, 223, 224, 260, 261, 350 or 476, 457, 458, two of 354, 355, 365, 375; 3 years of Performance Studies; 2 years in a music organization; piano proficiency; and music repertoire test. Also see requirements of the Department of Education.

BACHELOR OF MUSIC: 13 courses plus 4 years of Performance Studies with double periods in the last 2 years; 2 years in a music organization; piano proficiency; and music repertoire test.

HONORS MAJOR: Students may qualify for graduation honors in music if they (1) provide leadership in: the promotion of higher music performance standards within the Department of Music; breadth of musical interests by attendance at concerts both on and off campus; the performing organizations; the creation and/or promotion of smaller performing ensembles; (2) have earned a GPA of at least 3.0 in music courses; and (3) apply for the Honors Program at the beginning of the second term of the junior year.

Honors may be achieved by any one of the following ways: (1) two solo recitals of graduate quality; (2) a musical composition for vocal and/or instrumental ensemble of not less than 15 minutes duration and either a senior thesis and its defense before a faculty committee or a solo recital of graduate quality; (3) a senior thesis and its defense before a faculty committee and a solo recital of graduate quality.

MINOR: 5 courses plus 1 year of Performance Studies and 1 year in a music organization; piano proficiency.

Attendance at Performance Workshop and all campus faculty and student recitals is required of sophomores, juniors, seniors.

A recital in their area of Performance Studies concentration is required of majors during either the junior or senior year.

A recital in their area of Performance Studies concentration is required of Bachelors of Music in both their junior and senior years.

All majors and Bachelors of Music are required to pass the annual Music Repertoire tests. Minors must pass two Music Repertoire tests.

All majors, minors, and Bachelors of Music are required to pass a piano proficiency examination by the end of the sophomore year. It includes: (a) major and harmonic minor scales with triads and inversions, played two octaves, hands together and with correct fingering, at moderate speed and from memory; (b) a Bach two-part invention or a classical sonata; (c) a Romantic or modern piece; and (d) sight reading pieces of hymntune grade. One of the pieces (b or c) must be played from memory.

During his junior and senior years, a student who has been certified by the Department of Music as a major or Bachelor of Music is given required lessons in the area of his concentration without extra cost provided such study is with a member of the Augsburg College music faculty. The total of Performance Studies credits earned under this provision may not exceed four terms of weekly half-hour lessons.

TRANSFER STUDENTS IN MUSIC: A student transferring to Augsburg College as a Music major junior or senior must, before registration and acceptance into the major program, (1) pass an advanced standing test in music theory, and (2) sing or play representative pieces recently studied in his area of applied music concentration. This may be done immediately before registration or earlier when convenient.

101, 102, 223, 224 THEORY

Music Theory is an integrated course extending over four terms. Taught by a team of instructors, the various aspects of musical theory (i.e., ear training, harmony, counter-point, and analysis) are presented in parallel, rather than sequentially. (101, 223, Fall, 102, 224, Spring)

230 INTRODUCTION TO THE FINE ARTS

The development of music through the study of selected works of great composers from each period. Emphasis is placed upon relationships between music and the other fine arts. For the non-music major. (Fall, Spring)

260 HISTORY AND LITERATURE OF MUSIC

Music of the Baroque and Classical eras. (Fall)

261 HISTORY AND LITERATURE OF MUSIC

Music of the Romantic and Modern eras. (Spring)

350 CHORAL TECHNIQUE AND ARRANGING

Fundamentals of voice culture as related to choral ensemble; methods, materials, techniques, and arranging. (Spring)

354 INSTRUMENTAL TECHNIQUE

The technique of playing and teaching brass and percussion instruments. (Fall)

355 INSTRUMENTAL TECHNIQUE

The technique of playing and teaching woodwind and percussion instruments. (Spring)

365 INSTRUMENTAL TECHNIQUE

Elementary technique in the playing and teaching of string instruments. (Fall)

375 INSTRUMENTAL TECHNIQUE

Advanced technique in the playing and teaching of string instruments. (Spring)

380 MUSIC OF THE WESTERN CHURCH

Development and influence of the music of the Christian church. Designed for the general student as well as for organists, choir directors, and pre-theological students. *(Fall)*

457 CONDUCTING

Techniques of conducting, preparation of and conducting choral scores, organization of choral ensembles. *(Fall)*

458 CONDUCTING

Preparation of and conducting instrumental scores, organization of instrumental ensembles. *(Spring)*

476 ORCHESTRATION

The craft of orchestrating and arranging music for instrumental ensembles of varying sizes and types. *(Fall)*

482 SCANDINAVIAN MUSIC

The music of Scandinavia since 1700. *(Spring 1974-75, alternate years)*

488, 489 PIANO TEACHING METHODS

Instruction in the principles, methods, and techniques for teaching piano. Students will give individual lessons to children under the supervision of the instructor. No course credit. *(Fall, Spring)*

499 INDEPENDENT STUDY

Permits advanced and specialized studies and projects not otherwise provided for in the departmental curriculum. Open only to advanced students upon approval of a member of the faculty. *(Fall, Spring)*

PERFORMANCE WORKSHOP

Student recitals affording opportunity for public performance. Acquaints students with a repertoire of musical excellence. No course credit. *(Fall, Spring)*

PERFORMANCE STUDIES

Vocal and instrumental instruction is available to all students. For statement of fees, see under Financial Information. No course credit. *(Fall, Spring)*

Piano

Technique as needed, repertoire, performance, accompanying. Only those lessons in piano taken after the piano proficiency examination has been passed may be applied toward the music major or minor.

Organ

Technique as needed, repertoire, performance, hymn-playing, accompanying.

Voice

Correct habits of pronunciation and articulation, breath control, flexibility, ear training as needed, interpretation of songs.

Woodwind Instruments, Brass Instruments, String Instruments

Technique as needed, repertoire, performance.

MUSIC ORGANIZATIONS

The musical organizations exist not only for the benefit of the music student, but for any student of the college who wishes to participate in groups affording opportunity for musical expression. Membership for the full year required of participants. No course credit. (*Fall, Spring*)

Choir

Membership by audition and restricted to 65 singers.

Concert Band

Membership by audition.

Orchestra

Membership by audition.

Choral Club, Jazz Ensemble, String Orchestra, Instrumental Ensembles

Membership by audition or consent of director.

Natural Science

NATURAL SCIENCE MAJOR for teaching in Secondary Schools.

MAJOR: A total of 12 courses in science and mathematics with at least 5 courses in each of two of the areas of biology, chemistry or physics.

In biology, the required courses are 111, 112. The additional 3 courses are to be chosen from the upper division offerings.

In chemistry, 105, 106, or (115, 116), and 353 are required. In order to complete the total of 5 courses, two courses may be chosen as follows: 223 and 361; or 351 and 352; or 351 and 361.

In mathematics, Calculus I and Calculus II are required; and any 3 additional courses may be selected.

In physics, courses 121, 122, 245 are required; two additional courses to be chosen after consultation with a member of the Physics Department.

NATURAL SCIENCE MAJOR for Premedical Students

This major is presented as an option for premedical students who wish to take a major which provides the science courses necessary and recommended for admission to most medical schools (including the University of Minnesota Medical School), and also permits a number of electives. The student should choose electives carefully keeping in mind the specific requirements of the medical schools to which he or she intends to apply.

MAJOR: 13 courses including Biology 111, 112, 491 or 492, and 2 upper division biology courses; Chemistry 115, 116, or (105, 106), 351, 352, and Quantitative Analytical Chemistry; Mathematics 121 and 122, or 124 and 125; and Physics 121, 122.

Department of Philosophy

Chairman: Bruce Reichenbach

MAJOR: 9 courses, including 130, 241, 242, 343, and 344.

MINOR: 5 courses, including two courses from 241, 242, 343, and 344.

HONORS MAJOR: Admission to the Philosophy HONORS PROGRAM is by recommendation of the philosophy faculty. Such recommendations will be made at the end of the junior year. The program will consist of an honors thesis on an approved topic of the student's choice, involving research above the course level, and a defense of this thesis before the faculty of the department.

Courses 110, 120, and 130 are recommended for fulfilling the general education requirement.

110 GREAT PHILOSOPHERS OF ATHENS

Introduction to philosophy through the study of the teachings of Socrates, Plato and Aristotle. Concern will be shown for the role that these men played in developing ideas basic to Western civilization, and their lasting contributions on topics such as the nature of the real, the good life, search for knowledge, etc. (Fall, Spring)

120 ETHICS

Search for an adequate ethical principle through an evaluation of those presented by philosophers; inquiry into possible justifications for ethical values; and application of these principles to human conduct. (Fall, Spring)

130 LOGIC

The study of practical argumentation. Emphasis is placed on developing skills in constructing and analyzing arguments. The role of definition, premises, and rules of inference in an argument are investigated. (Fall, Spring)

241 HISTORY OF PHILOSOPHY I: PLATO AND ARISTOTLE

For description see under course 110. (Fall, Spring)

242 HISTORY OF PHILOSOPHY II: MEDIEVAL AND RENAISSANCE PHILOSOPHY

An analysis of the major themes of Medieval philosophy, such as the relation of faith and reason, problem of universals, existence of God, mysticism, etc., and the reaction of such Rationalists as Descartes and Leibniz to and their development of these ideas. (Suggested prior course: 241. Spring)

343 HISTORY OF PHILOSOPHY III: ENLIGHTENMENT AND 19TH CENTURY PHILOSOPHY

Studies in the major empiricists in the 18th century (Locke, Berkeley, Hume); Kant's synthesis of philosophy; 19th century Idealism; and the reaction to Idealism in men such as Marx, Kierkegaard and Nietzsche. (Suggested prior course: 241, 242. Fall)

344 HISTORY OF PHILOSOPHY IV: CONTEMPORARY PHILOSOPHY

Studies in the major 20th century representatives of analytic philosophy, pragmatism, existentialism and phenomenology. (Suggested prior course: 241, 242, 343. Spring)

350 PHILOSOPHY OF RELIGION

A systematic inquiry into the bases of religious belief, with special attention to the theistic arguments, the nature of religious language, and the problems of evil, miracles, and immortality. (*Suggested: One prior course in Philosophy. Spring, 1974-75*)

355 ORIENTAL PHILOSOPHY

A study of the basic concepts and philosophical contributions of Chinese, Japanese, Indian and Southeast Asian thought. (*Suggested: One prior course in Philosophy. Spring 1975-76*)

360 PHILOSOPHY OF LANGUAGE

A philosophical investigation of the relationship of symbolic expression to the world of the mind and the world of reality, including a study of the forms of language, semantics, and pragmatics. (*Suggested prior course: 130 or 344. Fall, 1974-75*)

365 PHILOSOPHY OF SCIENCE

A systematic inquiry into the philosophical presuppositions of law and theory-construction in the empirical sciences. Students also will work with professor in researching and developing philosophical problems in the special sciences (biology, physics, social sciences, etc.) (*Suggested: Prior course in science. Fall, 1975-76*)

370 EXISTENTIALISM

Studies in the writings -- both philosophical and literary -- of prominent Existentialist authors. Attempt will be made to deal in depth with such themes as absurdity, freedom, guilt, despair, paradox, and the leap of faith. (*Suggested: One prior course in philosophy. Fall, 1974-75*)

375 PHILOSOPHICAL MOVEMENTS

Studies in such philosophical movements as Analytic philosophy, American philosophy, Phenomenology, Russian philosophy, etc. (*Suggested prior course: 344. Fall, 1975-76*)

430 STUDIES IN INDIVIDUAL PHILOSOPHERS

Advanced studies in the philosophy of particular philosophers, e.g., Plato, Descartes, Marx, Hegel, Kierkegaard, Wittgenstein, etc. Seminar format. (*Suggested prior course: 241, 242, 343, or #. 1975-76*)

450 INTERDEPARTMENTAL STUDIES

Studies in such areas as the philosophy of art, philosophy of literature, philosophy of history, philosophical psychology, philosophy of culture, political and legal philosophy, etc. Seminar format. (*Suggested: one prior course in philosophy. 1974-75*)

499 INDEPENDENT STUDY

Individual study and research on some philosophical topic of interest to the student, worked out in consultation with the faculty adviser. (*Fall, Spring*)

Department of Physical Education and Health Education

Chairman: E. W. Anderson

PHYSICAL EDUCATION MAJOR: 8 courses. 223, 231, 232, 243, 351, 352, 471, 472.

PHYSICAL EDUCATION TEACHING MAJOR: 10 courses. 111, 223, 231, 232, 243, 351, 352, 369, 471, 472.

PHYSICAL EDUCATION MAJOR WITH SPECIALIZATION IN CORRECTIVE THERAPY: 8 courses in physical education sequence. 111, 231, 232, 243, 351, 352, 471, 472, 485, 491, 495. Psychology 361, 362, 355; and one additional Human Physiology course are also required.

PHYSICAL EDUCATION MINOR: 5 courses. 111, 223, 231, 232 or 472, and 243.

HEALTH TEACHING MINOR: 5 courses. 110, 111, 351, 360, and Sociology 231.

COACHING ENDORSEMENT: 5 courses. 111, 243, 351, 482 and practicum in coaching. (Practicum requires registration for 499 - Independent Study)

Coaches entering their first head-coaching assignment in Minnesota public schools are required to have at least a coaching endorsement in the field of physical education and athletics.

Physical Education

102, 103 LIFETIME SPORTS

Two hours per week. Meets the general education requirement. During the Interim, recreational activities will be offered on an elective basis. No course credit. (Fall, Spring)

223 TEAM SPORTS

Theory and practice in teaching and officiating team sports. Separate sections for men and women. (Women, Fall; Men, Spring)

231 INDIVIDUAL AND DUAL SPORTS

Theory and practice in teaching individual and dual sports. Separate sections for men and women. (Men, Fall; Women, Spring)

232 RECREATIONAL ACTIVITIES AND RHYTHMS

Theory and practice in teaching recreational activities, social recreation, quiet games, low organized games, noon hour activities, camp nights, relays, modified games, simple rhythmic games, folk and square dancing. (Interim)

243 HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION

History, principles, and philosophy of physical education. (Spring)

351 KINESIOLOGY AND PHYSIOLOGY OF EXERCISE

Mechanics of movement with special emphasis upon the action of the muscular system. The major effects of exercises upon the systems of the body. (Prereq.: Biology 103, Chemistry 105. Spring)

352 ADAPTED PHYSICAL EDUCATION AND EVALUATION

Physical education for the exceptional child with special reference to the analysis of functional and organic abnormalities and the role of physical education. Survey of basic statistical procedures and evaluation of tests in physical education. (*Spring*)

365 HEALTH AND PHYSICAL EDUCATION METHODS (K-12)

Also includes American Red Cross Instructors Course in First Aid. (*Prereq.: Currently valid Standard First Aid card. Fall*)

471 PHYSICAL EDUCATION PROGRAMMING

Curriculum analysis and preparation. Administrative techniques and procedures. (*Fall*)

472 SELF-TESTING ACTIVITIES--SWIMMING AND AQUATICS

Theory and techniques of teaching stunts, tumbling, and special fitness activities. Theory and practice in teaching swimming, life-saving and water safety. Open only to majors and minors. Men and women meet separately. (*Fall*)

482 COACHING OF SPORTS

Theory and techniques of coaching. Prevention and care of athletic injuries. (*Interim*)

485 APPLIED ADAPTED ACTIVITIES

Course includes consideration of ambulation, self care, adapted sports and games, and swimming for the handicapped. (*Prereq.: 351, 352. Summer School only*)

491 THERAPEUTIC EXERCISE

A study of the treatment of disease and injury. Includes general principles and administration of neuromuscular re-education. (*Prereq.: 351, 352. Summer School only*)

495 PROFESSIONAL AFFILIATION

Four hundred hours of hospital affiliation at VA Hospital, Fairview Hospital, and Cambridge State Hospital. Includes actual hospital experience in the following four areas of corrective therapy: (1) Psychiatry, (2) Orthopedics, (3) Neurology, (4) Rehabilitation. (*Prereq.: 485, 491, and approval of department*)

499 INDEPENDENT STUDY

Directed intensive study in the area of Physical Education. Open only to majors. (*Junior or senior only*)

Health Education

110 PERSONAL AND COMMUNITY HEALTH

Modern concepts and practices of health and healthful living applied to the individual and the community. (Fall)

111 SAFETY AND DRUG EDUCATION

An analysis of drug abuse and what can be done for the abuses. Also includes American Red Cross First Aid course. (Fall, Spring)

360 SCHOOL HEALTH PROGRAM

Curriculum, organization and administration of the school health program. (Fall)

Department of Physics

Chairman: Theodore Hanwick

MAJOR: 9 courses, including 245, 351, 362, and 395.

MINOR: 5 courses, including 121, 122, and three courses above 122.

101 ASTRONOMY

A descriptive course requiring elementary algebra. Our solar system, stars and galaxies. The necessary optical instruments are explained and use is made of a 12-inch reflecting telescope, an eight-inch Celestron, as well as a 3-inch Questar. Occasional night viewing. (3 one-hour lectures. Fall, Spring)

103 PRINCIPLES OF PHYSICS

A survey of physics introducing the basic aspects of mechanics, thermodynamics, wave motion, electricity and magnetism, and selected modern topics. Applications of physics to the biological sciences. The course is designed as a natural science elective and also as a part of the Medical Technology program. (3 one-hour lectures, 2-hour laboratory. Fall)

121, 122 GENERAL PHYSICS I, II

A rigorous study of the concepts of mechanics, fluids, heat, sound, optics, electricity and magnetism, and some aspects of modern physics. For majors in physics and other specified majors. Must be taken in sequence. (4 one-hour lectures, 3-hour laboratory. Prereq.: Mathematics 124 or concurrent registration. 121, Fall; 122, Spring)

245 MODERN PHYSICS

An introduction to modern physics from an historical and experimental basis. Relativity, quantum effects, atomic and molecular physics, nuclear and solid state physics. This course indicates the need for, and develops the experimental basis of quantum mechanics. (3 one-hour lectures. Prereq.: 122, Fall)

261 ELECTRONICS

A review of D.C. and A.C. circuits before introducing the electron tube and some circuit applications. The study of solid state diodes and transistors with circuit applications. (Lectures and laboratory. Prereq.: 122, Mathematics 224. Fall)

270 OPTICAL PHYSICS

The emphasis is on physical optics, using the complex expression for a wave throughout. Interference, diffraction, polarization, and an introduction to the electromagnetic theory. (3 one-hour lectures, 3-hour laboratory. Prereq.: 122. Spring)

351, 352 MECHANICS I, II

A careful study of classical mechanics in terms of Newton's laws of motion and the Lagrangian and Hamiltonian formalisms. Topics include conservation principles, single particle motion, systems of particles, oscillatory systems, central-force motion, dynamics of rigid bodies, gravitation, kinematics of two-particle systems and noninertial reference frames. (3 one-hour lectures. Prereq.: 122, Mathematics 226. 351, Fall; 352, Spring)

362, 363 ELECTROMAGNETIC FIELDS I, II

The classical electromagnetic field theory is developed using the vector calculus throughout. Electrostatics, magnetostatics, solution of Laplace's and Poisson's equations, electric and magnetic properties of materials, and the theory of electromagnetic radiation based on Maxwell's equations. (3 one-hour lectures. Prereq.: 122, Mathematics 226. 362, Fall; 363, Spring)

395 COMPREHENSIVE LABORATORY

An emphasis on independent laboratory investigations, including participation in physics seminars. Experiments in the areas of mechanics, thermodynamics, electricity, magnetism, and modern physics. (2 three-hour laboratory and 1 seminar hour per week. Prereq.: Junior standing. Spring)

481 THERMAL PHYSICS

The study of properties of systems and processes for which temperature is an important variable. The subject is developed from two independent yet complementary viewpoints: the experimental, macroscopic classical thermodynamics and the theoretical, microscopic statistical mechanics. (3 one-hour lectures. Prereq.: 351. Spring)

486 QUANTUM MECHANICS

A development from first principles, including de Broglie's postulates, the Schroedinger equation, operators, wavefunctions, expectation values, angular momentum, and approximation methods. Specific problems studied include potential wells and potential barriers, the harmonic oscillator, and the hydrogen atom. (3 one-hour lectures. Prereq.: 245, 351, 352. Fall)

488 TOPICS IN MODERN PHYSICS

The application of quantum mechanics to specific topics chosen from the areas of solid state physics, atomic and molecular physics, nuclear physics, and particle physics. (3 one-hour lectures, three-hour laboratory. Prereq.: 486. Spring)

Department of Political Science

Chairman: Norma Noonan

MAJOR: The major in Political Science will consist of 9 courses, plus Social Statistics (Sociology 365), 121 or 122; 158; 384; and at least 5 other upper division courses in 4 out of 5 areas*. A seminar in one of the five areas may be counted for that area.

MINOR: The minor in Political Science will consist of 5 courses, including: 121 or 122; 158; and at least 3 upper division courses in 3 out of 5 areas*.

HONORS MAJOR: The Honors major in Political Science includes the requirements listed above, plus the following: The student's grade-point average must be 3.5 in the major and 2.75 over-all. The student must take an Honors Independent Study and a seminar, and must submit, not later than April 1 of the senior year, an Honors Thesis to be defended before a faculty committee. Students should apply for the Honors Major no later than the first term of the junior year. For specific information, consult the Honors Adviser in the department.

* The five areas are American Government and Politics, Comparative Politics and Analysis, International Politics, Public Law, and Political Theory and Analysis. (Any course listed in more than one area may be counted in only one area toward major or minor requirements.)

Any course may be taken to fulfill the general education requirements but especially appropriate are Political Science 121, 122, 158 or 160.

The Urban Requirement may be filled by Political Science 122, 342 or by an Internship, Independent Study, or Seminar on an urban-related topic.

Students interested in secondary education may take one of the three broad social science options with a concentration in Political Science. See the Department Chairman for more information.

For precise listing of terms in which courses are offered, see the Class Schedule.

I. AMERICAN GOVERNMENT AND POLITICS

121 PRESIDENT, COURT AND CONGRESS

Presidential, congressional and judicial policy-making in the American national political system; contemporary political issues impinging upon and affected by the Presidency, Congress and the Supreme Court. (Fall, Spring)

122 METROPOLITAN COMPLEX

Politics in the urban setting, including important issues, actors, and structures influencing public policy in the modern urban complex. Discussion-lecture, simulation, and meetings with political experts and activists. (Fall, Spring)

325 AMERICAN POSITIVE STATE

The politics of public administration and bureaucratic policy-making in the American welfare-warfare state; governmental regulation, promotion and management, emphasizing political and economic interaction. (Prereq.: 1 course in Political Science or #)

326 PARTIES, VOTERS AND ELECTIONS

The electoral process, emphasizing political parties: their development, structure, and relationship to other factors in the process. Field work with parties, pressure groups and other relevant organizations. (Students may not take both 326 and 356 except by special permission. Offered Fall term of election years. No prerequisite)

342 MASS COMMUNICATIONS IN SOCIETY

Effects of mass communications on individual behavior; the uses and control of mass media for political and social purposes including public opinion research and political public relations. (Spring)

356 PUBLIC OPINION AND POLITICAL BEHAVIOR

(Offered in non-election years. See note under 326. See Section II for description)

370 CONSTITUTIONAL LAW I

(Offered alternate years. See Section IV for description)

371 CONSTITUTIONAL LAW II

(Offered alternate years. See Section IV for description)

II. COMPARATIVE POLITICS AND ANALYSIS

158 POLITICAL PATTERNS AND PROCESSES

An analysis of basic patterns in the political system and decision-making process with some comparison of major political systems and discussion of contemporary issues.

350 COMPARATIVE DEMOCRACIES

The emergence, maintenance and decline of selected democracies, focusing on political behavior, institutions, and processes. (Prereq.: One course in Political Science or #. Offered alternate years)

351 COMMUNIST POLITICAL SYSTEMS

A comparative analysis of the Soviet Union and other communist states in terms of political behavior, institutions, processes and policies. (Prereq.: One course in Political Science or #)

353 POLITICAL DEVELOPMENT

The modernization process in developing areas with particular attention to the creation, maintenance, and administration of political structures. (Prereq.: One course in Political Science or #. Offered on demand)

356 PUBLIC OPINION AND POLITICAL BEHAVIOR

The flow and influence of public opinion and the determinants of voter choice, including study of attitudes, values and personality factors in political behavior. (Offered in non-election years. See note under 326. Prereq.: One course in Political Science or #.)

359 TOPICS IN ELITE AND MASS BEHAVIOR

In-depth study of elite and/or mass participation in the political system. (Offered on demand. Prereq.: #)

III. INTERNATIONAL POLITICS

160 ISSUES IN WORLD POLITICS

Contemporary issues and problems in international politics in the context of democratic values and processes; moralism, legalism, and realism in foreign policy. *(Spring)*

361 INTERNATIONAL POLITICS

General theories of international politics, the basic factors involved in international relations, and the formulation of foreign policy as background for study and simulation of contemporary international problems. *(Prereq.: One course in Political Science or #. Offered alternate years)*

363 COMMUNIST FOREIGN POLICIES

Analysis of the motivation, formulation, and implementation of foreign policies of Communist nations, with emphasis upon the Soviet Union and China. *(Prereq.: One course in Political Science or #.)*

IV. PUBLIC LAW

370 CONSTITUTIONAL LAW I

The legal-political-philosophical role of the judiciary in the American constitutional system, emphasizing significant Supreme Court cases involving the United States government and the federal system. *(Prereq.: One course in Political Science or #. Offered alternate years)*

371 CONSTITUTIONAL LAW II

Constitutional limitations of the Bill of Rights and of the Fourteenth Amendment as applied by the Supreme Court to the protection of human rights and civil liberties of individuals. *(Prereq.: One course or #. Offered alternate years.)*

V. POLITICAL THEORY AND ANALYSIS

158 POLITICAL PATTERNS AND PROCESSES

(See Section II for description)

380 WESTERN POLITICAL THOUGHT I

Analysis of selected readings from outstanding political philosophers from Plato through the eighteenth century, emphasizing aspects of their thought having continuing significance for an understanding of contemporary political issues and the problems of human society. *(Offered alternate years.)*

381 WESTERN POLITICAL THOUGHT II

Recent political philosophy and ideology, including readings from individualist, anarchist, socialist, elitist, Christian, democratic, conservative and liberal authors. The contemporary search for political processes and structures appropriate to human potentials and limitations. *(Offered alternate years.)*

382 FOUNDATIONS OF COMMUNIST POLITICS

An examination of Marxist-Leninist theories, the development and uses of ideology in contemporary Communism, and the impact of historical traditions in the Soviet Union and other communist states. *(Prereq.: One course in Political Science or #. Offered alternate years.)*

384 POLITICAL ANALYSIS

Theory and methods of empirical political analysis, including communications theory, simulation, systems' theory, structural-functionalism, power concepts, psychological and economic approaches to political study, and a survey of the methods common to empirical social science. (Prereq.: *Social Statistics; Political Science 158 or 356; or #.* Offered alternate years.)

VI. SEMINARS, INDEPENDENT STUDY AND INTERNSHIPS

295 LOWER DIVISION SEMINAR

Special topics. Consult department chairman concerning terms and subject matter. (Offered on demand)

299 DIRECTED STUDY

Independent study for lower division students. (Prereq.: #. Fall, Interim, Spring)

399 INTERNSHIP

Consult Chairman or Internship Director to determine project. (Prereq.: #. Fall, Interim, Spring)

495 SEMINAR

Selected topics. Consult department chairman concerning terms and subject matter. (Prereq.: #)

499 INDEPENDENT STUDY

Topics defined through consultation between instructor and student. (Prereq.: #. Fall, Interim, Spring)

Department of Psychology

Chairman: Duane Johnson

MAJOR: 10 courses. One or two supporting courses from other departments may also be required. The major program is planned in consultation with an adviser in the psychology department and approved by the department chairman. Required courses will include 105, 364, 493, and 498. Basic courses to include in preparation for graduate study are 105, 355, 357, 359, 364, 481, 498, and at least one course in Personality or Developmental Psychology. The major program will usually include 105 in the freshman year, 364 and often 355 and 357 in the sophomore year, and 493 and 498 in the senior year. The over-all plan will be directed toward a basic understanding of the discipline of psychology and toward the particular educational, vocational, and professional interests and goals of the individual student. A written plan for the major should be completed and approved by the beginning of the junior year. The plan, which may indicate one or more electives in psychology, should be completed early in the sequence of psychology courses. Completion of a written plan later than the beginning of the junior year may delay graduation; early planning is recommended.

MINOR: 5 courses including 105.

HONORS MAJOR: Students may qualify for honors in psychology with a 3.5 grade point average in the major, a 3.0 grade point average over-all, and completion of a high quality research project culminating the major program. Application for honors consideration is to be made during the junior year.

105 GENERAL PSYCHOLOGY

Methods and approaches used in psychology for the purpose of understanding behavior. Research procedures associated with the study of behavior. A structure of the field of psychology including psychological principles in major sub-areas. *(Fall, Spring)*

351 DEVELOPMENTAL PSYCHOLOGY: CHILD

Emphasis on normal child development and behavior. Consideration of theoretical systems used for viewing the developmental sequence and process. Active inquiry into practical implications and applications of data and theory in respect to the development of children. *(Prereq.: 105. Fall)*

352 DEVELOPMENTAL PSYCHOLOGY: ADOLESCENT AND ADULT

Emphasis on normal development and behavior of the adolescent and adult. Theoretical bases used for building understanding of and appreciation for the developmental process. Active consideration of the meaning that data and theory have for the development of persons in the adolescent and adult periods of life. *(Prereq.: 351. Spring)*

355 PHYSIOLOGICAL PSYCHOLOGY

A survey of the physiological and neuroanatomical mechanisms responsible for behavior in animals and humans. Lecture, laboratory, and discussion regarding the fundamentals of neuroanatomy, neurophysiology, and research methods. Emphasis will be given to interactions of the central nervous system with environmental events including the effects of drugs on behavior. *(Prereq.: 105. Fall)*

356 ANIMAL BEHAVIOR

A broad-based approach to the study of behavior emphasizing the comparison of a wide variety of species from lower animals (invertebrates) through humans. Stress will be placed upon studying animals in their natural habitat and the adaptive behavior patterns which have evolved through interacting with the environment. Major topics will include behavioral evolution, behavioral development, and social behavior in both animals and humans. *(Prereq.: 105. Spring)*

357 LEARNING

Analysis of behavior and behavioral change including objectives, evaluation, and environmental factors in the learning process. *(Prereq.: 105. Spring)*

359 MEASUREMENT

Theory and principles of measurement. Analysis and practicum with achievement, interest, personality, and intelligence tests. *(Prereq.: 105. Fall)*

361 PERSONALITY

Dynamics of personality with emphasis on behavior that customarily is included in the normal range. Includes consideration of theories of personality. *(Prereq.: 105. Fall)*

362 BEHAVIOR DISORDERS

Sociological, biological, and psychological factors involved in behavior disorders. Consideration of diagnostic categories, treatment, and research. *(Prereq.: 3 courses or 361. Spring)*

364 EXPERIMENTAL PSYCHOLOGY

Methodology in major areas of psychological research including statistical methodology. Designing, conducting, and analyzing experiments. (Prereq.: 105. Fall, Spring)

373 ORGANIZATIONAL PSYCHOLOGY

Dynamics of organizing large groups of individuals into efficient goal-oriented teams. Study of policies and procedures aimed at utilizing and perpetrating individuality; exploration of approaches to selecting and developing the human resource. (Prereq.: 105. Spring)

375 SOCIAL PSYCHOLOGY

See under Department of Sociology. (Does not count toward Natural Science General Education requirement.)

481 HISTORY AND THEORY

History of psychological viewpoints and theoretical positions. Concentration on the development of American psychology. (Prereq.: 4 courses. Fall)

485 COUNSELING PSYCHOLOGY

Principles, methods, and attitudes involved in the counseling process. Consideration given to goals and ethical guidelines for a counseling relationship. (Prereq.: 5 courses and senior standing. Spring)

493 SEMINAR: CONTEMPORARY ISSUES

Points of view within behavioral science on contemporary professional and societal issues. Consideration of the approaches and methods of behavioral science to the study of such issues. (Prereq.: 5 courses. Fall)

498 SEMINAR: RESEARCH PROBLEMS

Individual research in which students select an area of investigation, plan the appropriate design, collect data, and write a research report according to the standards established by the American Psychological Association. Critical review and discussion of individual research projects. (Prereq.: Senior standing and #. Fall, Spring)

499 INDEPENDENT STUDY

Registration by special permission for advanced students in psychology. Student must present carefully considered rationale and purpose for the proposed study.

Department of Religion

Chairman: Philip A. Quanbeck

MAJOR: 8 courses, two of which may be upper division New Testament Greek. The major shall include one interim course; and at least three out of the following four areas shall be represented by at least one course: 352-355, 360-363, 471-475, 481-484.

HONORS MAJOR: GPA of 3.25 in the major and 3.00 over-all; research project approved by the department and a colloquium with the department.

MINOR: 5 courses.

Religion 111 or 221 are prerequisite to all other courses. Only one course in History of Religions may be counted toward fulfilling the graduation requirements.

111 INTRODUCTION TO THEOLOGY

An introduction to the academic discipline of theology and to the dialogue between the church and the world which concerns Christian doctrine. (*Fall, Spring*)

221 BIBLICAL STUDIES

The origin, literary character, and transmission of the biblical documents. The task of biblical interpretation. The history of Israel and the emergence of the church. (*Fall, Spring*)

350 PHILOSOPHY OF RELIGION

See under Department of Philosophy.

352 THEOLOGY AND FORM OF CHRISTIAN WORSHIP

A study of the origin of Christian worship, the development of the various liturgical traditions and the recent liturgical innovations. Attention will be given to both the theology and the form of worship. Visits will be made to a variety of worship services. (*Fall*)

355 THE STUDY OF RELIGION IN THE PUBLIC SCHOOLS

The history of studying religion in public schools, the problems associated with such efforts, the resources available to the teacher and the actual teaching itself will be examined. The theological, as well as the legal and educational implications will be analyzed and discussed. (*Spring*)

356 HISTORY OF RELIGIONS I

The religions of India and Persia: Hinduism, Buddhism, Jainism, and Zoroastrianism, emphasizing the study of the primary writings of these faiths together with an analysis of their religious practices in the context of their respective cultures. (*1974-75*)

357 HISTORY OF RELIGIONS II

The religions of China, Japan and the Arabian Near East: Confucianism, Taoism, Buddhism, Shinto, and Islam, emphasizing study of the primary writings of these faiths together with an analysis of their religious practices in the context of their respective cultures. (*1975-76*)

360 RELIGION AND SOCIETY

An examination of the social sources and structure of religious beliefs and practices. Particular emphasis is given to the study of bureaucracy and its relation to religious systems, and to an exploration of the changing patterns of society and the relationship of these changes to the institutional church. (*Fall*)

361 CHURCH FATHERS

The development of some fundamental doctrines from the time of the Apostolic Fathers through Augustine.

362 THEOLOGY OF THE REFORMERS

An introduction to the theological thought of the Protestant reformers of the sixteenth century. Special attention to the writings of Martin Luther and other representative figures. (*Fall*)

363 AMERICAN PROTESTANTISM

The Protestant ethos in the United States. Special attention to the rise of religious liberty, revivalism, the American denominational structure, and the responses of American Protestantism to the challenges of its environing culture. *(Fall)*

380 MUSIC OF THE WESTERN CHURCH

(See under Department of Music)

471 JESUS AND HIS INTERPRETERS

Consideration of the New Testament Documents, particularly the Gospels, dealing with their content, literary structure and relationships. Attention to the variety of interpretations given the person of Jesus, including the "quest for the historical Jesus." *(Fall)*

472 THEOLOGY OF PAUL

A study of the Apostle Paul including his historical background, his relationship to the early church, and some of the themes to be found in his writings. *(Spring)*

473 THE MESSAGE OF THE OLD TESTAMENT

The various types of Old Testament literature. The distinctive ideas of Hebrew thought with emphasis on the message of the prophets. *(Spring)*

475 JUDAISM

A survey of the history of Judaism from the end of the Old Testament period to modern times, with emphasis placed upon the religious development. A special interest in such modern Jewish thinkers as Buber and Heschel. The Jewish Chatauqua Society annually makes a grant to Augsburg College in support of this course in Judaism offered in the religion department. *(Fall)*

481 CONTEMPORARY THEOLOGY

An introduction to some representative trends in Christian theological thought today, as seen from the systematic perspective, in the light of the continuing theological task of the Christian Church. *(Spring)*

482 CONTEMPORARY ROMAN CATHOLIC THEOLOGY

New trends of Roman Catholic theology as expressed in the writings of some of its representatives. Relation of new theological and biblical insights to the dogmatic definitions of the church. *(Spring)*

483 CHRISTIAN ETHICS

The bases of Christian social responsibility, in terms of theological and sociological dynamics. Emphasis on developing a constructive perspective for critical reflection upon moral action. *(Spring)*

Social Science

Adviser: Orloue N. Gisselquist

This major is designed for those preparing for secondary school teaching in social studies and for others who desire a broad major in this area. A major consists of 14 courses, which may be earned in any one of four distributions. A student may not list a double major in Social Science and one of the four component disciplines unless the distribution selected in the Social Science major is significantly different from the other major.

A. HISTORY EMPHASIS

7 courses in history: a distribution of these courses among the fields of American, European, and Non-Western is encouraged -- at least 4 of these courses must be upper division and one a seminar; 2 courses in political science; 4 courses: 1 each in geography, anthropology, economics, and sociology; 1 course in the methodology of the social sciences (Political Science 158 or 384, Sociology 365 or 362, 363; Economics 379 or 495).

B. BEHAVIORAL SCIENCE EMPHASIS

1 course in geography; 1 course in anthropology; 2 courses in history; 2 courses in the methodology of the Social Sciences (Political Science 158 or 384, Sociology 365 or 362, 363, Economics 379 or 495); 7 other courses in economics, political science, and sociology, with at least 2 courses in each discipline and at least 3 upper division courses; 1 additional upper division course in economics, history, political science, psychology or sociology.

C. NON-WESTERN EMPHASIS

8 courses in Non-Western studies, selected from the following, with at least 2 courses in history and 2 courses in political science: History 104, 440, 463, 464, 465, 474, 495; Political Science 351, 353, 361, 363, 382, 495, 499; Religion 353; Philosophy 355.

6 other courses including: History 103; one course in the methodology of the social sciences (Political Science 158 or 384; Economics 379 or 495; Sociology 362, 363 or 365); and 4 additional electives; one each in geography, anthropology, sociology, and economics.

For a Social Science major with a Non-Western emphasis to meet the requirements of the State of Minnesota for a high school teacher of the social studies, there must be among the courses taken at least 7 courses in history or in political science, sociology, economics, anthropology combined.

D. INTERNATIONAL STUDIES EMPHASIS

1 course in each of geography, anthropology, statistics; 11 courses in history, political science, and economics, with at least 3 in each discipline and at least 5 upper division courses, to be selected from the following: Political Science 158, 160, 350, 351, 353, 361, 363, 381, 382, 495, 499; History 103, 104, 332, 416, 440, 463, 464, 465, 474, 495; Economics 122, 123, 495, 499.

Department of Sociology and Social Work

Sociology

Chairman: Joel Torstenson

MAJOR IN SOCIOLOGY: 10 courses including 121, 362, 363, 375, 485, 487, and an upper division interim course or independent study.

MINOR: 5 courses including 121, and two upper division courses (i.e., 300 and above)

111 HUMAN COMMUNITY AND THE MODERN METROPOLIS

The cultural and structural dynamics of the modern world viewed from the perspective of the metropolitan situation, with a focus on the possibilities of human community in the context of urban institutions and processes. (Fall, Interim, Spring)

121 PRINCIPLES OF SOCIOLOGY

The development of sociological consciousness; its motifs, perspectives, and linguistic forms; sociological models for analyzing the structures and dynamics of society, community, groups, and personality; the role of sociology as an academic discipline and profession. Basic background for advanced work in sociology. (Spring)

231 FAMILY PROCESS: COMMUNICATION AND STRUCTURE

Designed to heighten awareness of communication patterns in intimate relationships and to provide perspective and skills for creating viable relationships in pre-marital, marital, and family systems. The impact of historical and contemporary urban contexts on the structure of the family is examined. P/N only. (Fall, Spring)

232 SOCIOLOGY OF SOCIAL PROBLEMS

The dynamic processes at the root of contemporary social problems in the context of historical, social and cultural change. One section in the fall term gives special attention to delinquency and deviance. (Fall, Spring)

241 INTRODUCTION TO CULTURAL ANTHROPOLOGY

An examination of the idea of culture; the person's relation to culture; language and its relation to multiple ways of seeing the world. A comparison of "primitive" and "civilized" world views, values, and systems of thought, magic, religion, work, and play. (Fall)

360 RELIGION AND SOCIETY

See under Department of Religion

362, 363 METHODS OF SOCIOLOGICAL INQUIRY I-II

An integrated two-course sequence in sociological research: problems and procedures of the research process; methods of investigation and statistical analysis; evaluation and empirical testing of sociological data; statistical inference and hypothesis testing; research techniques and data-getting tools. Stress on practical application of what is learned as it is learned. Sociology majors are strongly encouraged to take this sequence their junior year. (Prereq.: 2 courses in sociology including 121 or permission of instructor; high school algebra. Fall, Spring)

365 SOCIAL STATISTICS

Scientific methods of organizing, comparing and interpreting socio-psychological data. Constructing graphs and tables, calculating measures of central tendency, variability and association, statistical inference and hypothesis testing. Not open to sociology majors. Spring term is designed especially for Social Welfare majors. *(Fall, Spring)*

373 DILEMMAS IN CRIMINAL JUSTICE

Non-normative behavior with an emphasis upon crime and delinquency. Gang-delinquency, white-collar crime, organized crime. The theories of crime causation, treatment, and prevention. *(Prereq.: 121, 232; section on delinquency and deviation. Spring)*

375 SOCIAL PSYCHOLOGY

Society and the individual, the socialization process, the development of personality, the impact of group norms. The various theoretical schools of social psychology. Special attention is paid to the social and situational components of phenomena commonly seen as individual problems, phenomena such as mental retardation, mental illness, I.Q. test performance. *(Prereq.: 121 or Psychology 105. Spring)*

381 SOCIOLOGICAL PERSPECTIVES AND URBANIZATION

A review of historic works by such scholars as Tönnies, Weber, Park and Wirth; and an examination of representative contemporary sociological studies of urban and suburban life. *(Prereq.: 111, 121. Spring)*

383 RACIAL AND MINORITY GROUP RELATIONS

The historical, cultural, structural and psychological dimensions of minority group relations. Major attention is focused upon prejudice, racism, and civil rights in the American urban setting. *(Fall, Spring. P/N only)*

384 HUMAN DEVELOPMENT AND SOCIALIZATION

The process of becoming a member of society and groups. Socialization will be examined as a life-long process with special attention to personality change, effects of deprivation, problems of the life cycle, and cross-cultural differences in growing up, living and dying. *(Prereq.: 121 or Psychology 105. Fall)*

399 INTERNSHIP

Consult the Department Chairman or Internship Director for details. *(Prereq.: #)*

485 MODERN SOCIOLOGICAL THEORY

An examination of the major theoretical traditions within sociology, tracing the course of their development in the nineteenth and twentieth centuries. *(Prereq.: 2 courses in sociology including 121 or #. Fall)*

487 MODERN SOCIAL ORGANIZATION

The phenomena of social stratification and social organization; their structural and dynamic dimensions. Major attention is focused upon stratification and large-scale organization in an urban world. (Prereq.: 2 courses in sociology, including 121. Spring)

499 INDEPENDENT STUDY

Topics defined through consultation with instructor. (Prereq.: 121, permission of instructor. Fall, Interim, Spring)

Social Work

Director: Paul T. Steen

MAJOR: The core program of Social Work courses begins in the junior year, but freshmen and sophomores are advised to take Social Work 257 or to have other significant volunteer experience before majoring.

CORE PROGRAM REQUIRED: Psychology 105; Sociology 121, 365, 383, and 384; Social Work 351, 352, 353, 461 or 463, and 467. One course in the Conservation of Human Resources (CHR) program should be taken (see the index in this catalog to find where to read about CHR courses).

The following are highly recommended: Economics 122; Political Science (one of the following) 121, 122, 325 or 326; Psychology 351 and 352 (may be substituted for Sociology 384), 362 and 375 (same as Sociology 375); Social Work 257 or 357 (to be taken as freshman or sophomore); and Sociology 231 and 232.

257 VOLUNTEER SERVICE AND INDEPENDENT STUDY

With faculty approval, student selects a placement as a full-time volunteer in a social agency or institution. Opportunity to know social work professional, social service delivery systems, and career aspects in the helping vocations. Independent study with a term paper report and review conferences. Especially recommended for freshmen and sophomores. (Interim)

351 INTRODUCTION TO SOCIAL SERVICES

Basic features of the helping process; social work as a profession; brief descriptive attention to the principal methods of social work, of casework, group work, and community organization. The public and private welfare systems in urbanized America. Two lecture periods and six hours field experience per week. (Prereq.: junior standing or #. Fall)

352 SELECTED PROGRAMS IN SOCIAL WELFARE

A pair of seminars consisting of social security (required), and one additional seminar in such topics as mental retardation, public housing, or aging. Field experience extended from Social Work 351 at 16 hours per week to learn by practice the skills of casework and/or group work. (Prereq.: 351. Interim)

353 THEORY OF CASEWORK AND GROUP WORK

Delineation and application of principles and techniques of casework and group work. Reflective seminar use of prior and concurrent experiences in field work. Two lectures per week plus six hours field practice selected so that student completes skill development in both casework and group work. (Prereq.: 352. Spring)

357 SUMMER WORK-STUDY

A summer work experience of ten weeks or longer in a service-giving role through assignment as an employed staff or full-time volunteer member in a social agency or institution. Special opportunity to consider career aspects of social work. Reflective, analytical reports and participation in seminars required. Sophomores and juniors. Social Work 358 may be taken concurrently but not required. *(Summer)*

358 INDEPENDENT STUDY WITH SUMMER WORK-STUDY IN SOCIAL SERVICES

To be taken concurrently with 357. With faculty approval a topic is selected for independent study relating to the work experience. Study to be reported in a major paper of high quality. *(Summer)*

461 LINKAGE AND LABORATORY IN SPECIAL AREAS

Students placed for refinement of practice skills in programs serving special groups such as aging, mental retardation, the chemically dependent, or youth subculture. Twice a week linkage seminars with 6-8 hours field practice. Not open to students taking 463. *(Prereq.: 353. Fall)*

463 COMMUNITY DEVELOPMENT AND ORGANIZATION

Locality development and social change through community organization, social planning, and social action. Field experience of six hours with two lectures per week. Two lecture periods per week, plus either (a) for majors, 8 hours related field experience; or (b) for non-majors, 8 hours related field experience or an approved plan for independent work in community study or planning. Not open to students taking 461. *(Prereq.: #. Fall)*

467 ADVANCED INTERNSHIP IN SOCIAL WORK

Responsibilities assigned as a professional social worker in some social welfare agency with arranged linkage seminars. Some students selected for stipended positions. 12 to 20 hours per week. *(Prereq.: 461 or 463 and major. Spring)*

Department of Speech, Communication, and Theater Arts

Chairman: Raymond Anderson

COMMUNICATION MAJOR: 10 courses, including: 342, 351 or 352, 354, 487 and English 219. Supporting courses required but not counting toward the major: Speech 111; Philosophy 130; Psychology 105; Sociology 111, 375. Typing ability required.

The communication major is a flexible interdisciplinary program which allows for different emphases -- journalism, advertising and public relations, radio-television-film, human relations, and supervisory management. Program guides for each area are available from the Department Chairman or the Office of Admissions.

Prospective majors should contact the department as early as possible to work out a plan for the major and a personal career action plan. Freshmen should take Speech 111, Psychology 105, Sociology 111, and Philosophy 130.

COMMUNICATION MINOR: 5 courses

SPEECH MAJOR: 10 courses

SPEECH MAJOR FOR TEACHING: 10 courses, including: 111, 232, 241, 351 or 352, 355, 360, 361, 366, 476. A speech education major should be combined with a major in English if possible. Participation in drama or forensics required.

SPEECH MINOR FOR TEACHING: 5 courses. For secondary education, 111, 232, 351 or 352, 355, 360, 366; course 476 is recommended. For elementary education, 111, 116, 360, 361, 476.

THEATER ARTS MAJOR: 10 courses, including: 111, 116, 228, 232, 360, 361, 366, 467. A course in cinema arts and 2 courses in dramatic literature may be counted toward a theater arts major. This major should be supported by an English minor or at least by several courses in literature including Shakespeare and Modern Drama or Scandinavian Drama.

Freshmen planning to major in theater arts should take courses 111, 116, and 228.

Experience requirement for theater arts majors: Experience is required in four out of the five following areas: acting, set construction and painting, light and sound, costume, house management. Majors should take part in dramatic productions during all four years.

THEATER ARTS MINOR: 5 courses including: 228, 232, 360, 361, 366.

DEPARTMENTAL HONORS: GPA of 3.25 in the major, 3.00 over-all, three independent study projects of honors quality, distinguished performance in at least one of the communication arts, comprehensive examination in field of concentration. Application to be made early in the senior year.

Courses 116 and 476 are strongly recommended for all students in elementary education.

111 BEGINNING SPEECH

Basic problems of effective speaking and critical listening. (Fall, Spring)

116 STORY TELLING AND CREATIVE DRAMATICS

Selection of stories for various age groups. Techniques, observation, and practice in story telling and creative dramatics. Recommended for parish workers and elementary school teachers. (Fall)

228 STAGECRAFT

Construction, painting, and other aspects of scenery preparation. Open to all students. (Fall)

232 ACTING

An introduction to the art of acting. Practical work in pantomime and improvisation; participation in dramatic presentations. (Spring)

241 INTRODUCTION TO CINEMA ART

A study of film as an art form; major developments in film history; analysis of significant films, with emphasis on aesthetic rather than technical elements. (Spring)

342 MASS COMMUNICATIONS IN SOCIETY

A study of the distinctive character of each of the major mass media, with emphasis on their role in society. See also description under Department of Political Science. *(Spring)*

351 ARGUMENTATION

Application of logic in public speaking, discussion, and debates. *(Fall)*

352 PERSUASION

Theory of persuasion and propaganda; study of great speeches; practical work in speech writing. *(Spring)*

354 INTERPERSONAL COMMUNICATION

Introduction to communication dynamics embracing scientific as well as humanistic perspectives on human communication. *(Spring)*

355 GROUP LEADERSHIP AND DISCUSSION

Theories of group leadership; principles and types of discussion; practice in discussion techniques. *(Fall)*

360 INTERPRETATIVE READING

Basic principles of oral interpretation of literature. Practice in reading prose, poetry, and drama. *(Fall)*

361 INTRODUCTION TO DRAMATIC ARTS

An introduction to history of the theater and to theories of drama and dramatic production. *(Fall)*

366 STAGE DIRECTION

Theory and practice of stage direction with laboratory exercises in planning productions and conducting rehearsals. Open to upper division students only. *(Spring)*

467 LIGHTING AND SCENE DESIGN

History, theory, and practice of stage lighting and scene design. *(Prereq.: 228 or #. Spring)*

476 SPEECH PATHOLOGY

Physical and psychological factors underlying normal and abnormal speech. An introduction to principles and methods of speech correction. *(Spring)*

480 SEMINAR IN COMMUNICATION

Cooperative investigation of topics in speech and communication theory. *(Fall)*

487 FIELD EXPERIENCE IN COMMUNICATION

Students are assigned to work in radio stations, television stations, newspaper or other publishing firms, etc., for practical orientation to communication occupations. (Prereq.: 480 or concurrent registration in 480. Fall, Spring)

495 INDEPENDENT STUDY IN COMMUNICATION

Selected topics in speech and communication, with emphasis on the use of primary sources and methodology of research. (Fall, Spring)

499 INDEPENDENT STUDY IN DRAMA

Individual projects in oral interpretation and theater. (Fall, Spring)

Total Student Enrollment

Academic Year, 1972-1973,	1,773
Summer Session, 1973	359

Summary of Graduates

Graduates, 1870-1972	5,434
Graduates, 1973 (September 1, 1972 - May 20, 1973)	260

Faculty

- RUTH AASKOV, Associate Professor of Foreign Language, Ph.D. 1970, University of Wisconsin (French)
- COURTLAND AGRE, Professor of Chemistry, Ph.D. 1937, University of Minnesota (Organic Chemistry)
- *WARREN ALM, Artist in Residence in Music (Lower Brass)
- EARL ALTON, Professor of Chemistry, Ph.D. 1961, University of Michigan (Physical Chemistry and Inorganic Chemistry), Department Chairman
- LYLA MAE ANDEREGG, Assistant Professor of Education and Psychology, M.A. 1947, Northwestern University (Psychology)
- BARBARA ANDERSEN, Assistant Professor of English, M.A. 1954, Northwestern University (English Education)
- ERNEST ANDERSON, Professor of Health and Physical Education, M.Ed. 1947, University of Minnesota, Department Chairman
- *MARGARET J. ANDERSON, Librarian, Instructor, M.A. 1970, University of Minnesota
- OSCAR A. ANDERSON, President of the College, B.D. 1942, Luther Theological Seminary, L.L.D. 1963, Concordia College
- RAYMOND E. ANDERSON, Professor of Speech, Ph.D. 1959, University of Minnesota, Department Chairman
- *MICHAEL J. ARNDT, Instructor of Speech/Drama, B.A. 1968, Augsburg College, (Theater Arts Director)
- KENNETH C. BAILEY, Vice President for Academic Affairs and Dean of the College, Ph.D. 1960, University of Minnesota (Philosophy)
- *VALERIA B. BALTINA, Assistant Professor of Foreign Language, M.A. 1933, University of Latvia (German and Russian)
- JOHN E. BENSON, Associate Professor of Religion, Ph.D. 1967, Columbia University (Philosophy of Religion)
- *ROBERT E. BEVERLEY, Assistant Professor of Music, M.M. 1948, Northwestern University (Woodwind)
- *JAMES BILLINGS, Instructor of Business Administration, M.A. 1967, University of Minnesota (Health Economics)
- VERN BLOOM, Director of the Conservation of Human Resources Program, M.S.W. 1959, University of Minnesota (Urban and Criminal Justice Studies)
- WILLIAM CARIS, Associate Professor of Health and Physical Education, M.A. 1952, University of Iowa (Head Football Coach)
- JAMES CARLSON, Assistant Professor of Music, Ph.D. 1972, Indiana University (Director of the Augsburg Concert Band)
- *NELSON CARR, Artist in Residence in Music (Brass)
- CARL H. CHRISLOCK, Professor of History, Ph.D. 1955, University of Minnesota (American History)
- BERNHARD M. CHRISTENSEN, President Emeritus, Ph.D. 1929, Hartford Seminary Foundation
- *L. GRACIA CHRISTENSEN, Assistant Professor of English, M.A. 1935, Radcliffe College (Chaucer)
- ROBERT W. CLYDE, Associate Professor, Ph.D. 1964, University of Iowa (Director of the Social Science Research Center)
- AILENE COLE, Associate Professor of Speech, M.A. 1949, University of Minnesota (Theater Arts) (Has a dog that often visits the campus)
- K. BERNER DAHLEN, Associate Professor of English, M.A. 1940, University of Minnesota (British Literature)
- F. MARK DAVIS, Associate Dean of the Faculty and Director of Special Programs, Ph.D. 1966, Duke University
- JOHN C. DAWSON, Assistant Professor, M.A. 1962, University of Minnesota (Director of the Metro-Urban Studies Internship Program) (Enjoys music, summer sports and politics)

BEVERLY C. DURKEE, Assistant Professor of Mathematics, Ph.D. 1972,
Arizona State University (Teaching of Mathematics)
GRACE B. DYRUD, Professor of Psychology, Ph.D. 1963, University of
Minnesota (Learning)

*EDGAR E. EKLOF, Artist in Residence in Music, M.M. 1956, Manhattan School
of Music (Voice)
*ROBERT ENGELSON, Director of the Choral Club, B.A. 1972, Augsburg College
*KENNETH N. ERICKSON, Associate Professor of Physics, Ph.D. 1970, Colorado
State University (Space Physics)
*ROLF ERIKSEN, Soccer Coach

SHELDON FARDIG, Associate Professor of Education, Ph.D. 1966,
Northwestern University (Human Relations in Education)
NORMAN B.L. FERGUSON, Assistant Professor of Psychology, Ph.D. 1972,
University of Wisconsin (Physiological Psychology)
HENRY G. FOLLINGSTAD, Assistant Professor of Mathematics, M.A. 1971,
University of Minnesota (Complex Analysis) (Enjoys writing non-fiction)
BURTON P. FOSSE, Vice President for Finance and Management, B.B.A. and
B.M.E. 1949, University of Minnesota
*ROBERT FRIEDERICHSEN, Instructor in Art, M.A. 1970, Penn State University
(Visual Communications)
MARK FUEHRER, Instructor of Philosophy, M.A. 1968, University of
Minnesota (Medieval and Renaissance Philosophy) (Enjoys fencing,
classical studies and Renaissance art)
*WALTER FUNMAKER, Instructor of Indian Studies, B.A. 1967, California State
University at Los Angeles

STEPHEN M. GABRIELSEN, Assistant Professor of Music, M.A. 1966,
University of Minnesota (Organ)
JERRY GERASIMO, Associate Professor of Sociology, Ph.D. 1966, University
of Chicago (Human Development)
BRUCE L. GILDSETH, Vice President for Student Affairs and Dean of
Admissions, Ph.D. 1968, University of Minnesota
ORLOUE GISSELQUIST, Associate Professor of History, Ph.D. 1968, University
of Minnesota (Modern European History) (Collects books and raises
roses)
*ROBERT GRAMS, Instructor of Sociology, B.A. 1969, Augsburg College
DEAN B. GULDEN, Associate Professor of Mathematics, M.S. 1967,
University of Minnesota (Algebra), Department Chairman (Spends weekends
plus the entire summer in the North Woods)
DONALD R. GUSTAFSON, Associate Professor of History, Ph.D. 1969,
University of Wisconsin (Modern World History), Department Chairman
ARLIN E. GYBERG, Assistant Professor of Chemistry, Ph.D. 1969, University
of Minnesota (Analytical Chemistry) (Enjoys basketball, fishing,
paddleball and softball. Active in professional education and
professional chemistry)

LEIF E. HANSEN, Assistant Professor of Scandinavian Area Studies, M.A.
1950, University of Minnesota (Norwegian) (Sometimes associates with
Swedes. Spends summers as language camp director)
THEODORE J. HANWICK, Professor of Physics, Ph.D. 1950, New York University
(Astronomy and Optical Physics) Department Chairman
MILDA HEDBLOM, Assistant Professor of Political Science, M.A. 1966,
University of Minnesota (Mass Participation and Political Communication)
*DOUGLAS HEIDENREICH, Visiting Professor, L.L.B. 1961, William Mitchell
College of Law (Business Law)

- MELVIN HELLAND, Professor Emeritus, Ph.D. 1930, Hartford Seminary Foundation
- *KATHERINE A. HENNIG, Artist in Residence in Music, M.A. 1956, University of Minnesota (Voice)
- DAINA HERFORTH, Assistant Professor of Business Administration, B.A. 1963, University of Minnesota (Economics)
- ROBERT S. HERFORTH, Assistant Professor of Biology, Ph.D. 1968, University of Nebraska (Microbiology and Developmental Biology)
- NORMAN D. HOLEN, Assistant Professor of Art, M.F.A. 1962, University of Iowa (Sculpture)
- HOLGER HOLMEN, Associate Professor of Education, Ed.D. 1969, University of Missouri (School and Society)
- JOHN R. HOLUM, Professor of Chemistry, Ph.D. 1954, University of Minnesota (Organic Chemistry)
- ERVIN INNIGER, Instructor of Health and Physical Education, B.S. 1967, Indiana University (Basketball Coach)
- VALIJA JAUNLININS, Assistant Professor of Foreign Language, M.A. 1964, University of Minnesota (German)
- *I. KHIN KHIN JENSEN, Associate Professor of History, Ph.D. 1956, University of Wisconsin (Asian History)
- MILDRED V. JOEL, Professor, M.A. 1947, University of Minnesota (Registrar)
- DUANE E. JOHNSON, Associate Professor of Psychology, Ph.D. 1967, University of Minnesota (Developmental Psychology) Department Chairman
- EINAR O. JOHNSON, Professor of Education, Ph.D. 1961, University of Washington, Chairman of the Department of Education
- GLEN W. JOHNSON, Vice President for Development, B.S.E. 1952, University of Nebraska and B.D. 1959, Luther Theological Seminary
- JAMES D. JOHNSON, Assistant Professor of Music, M.S. 1958, Juilliard School of Music (Piano)
- MARY E. JOHNSON, Assistant Professor of Foreign Languages, M.A. 1950, Columbia University, M.A. 1970, University of Minnesota (French)
- ROBERT KARLEN, Assistant Professor of Music, M.A. 1959, University of Minnesota (Scandinavian Music, Director of the Augsburg Orchestra), Department Chairman
- *SYLVIA KERR, Assistant Professor of Biology, Ph.D. 1968, University of Minnesota (Zoology)
- *JAMES KINCANNON, Assistant Professor of Psychology, Ph.D. 1967, University of Minnesota
- MARY MARIE KINGSLEY, Assistant Professor of Foreign Language, M.A. 1964, Middlebury College (Spanish)
- BERNHARDT J. KLEVEN, Professor Emeritus, Ph.D. 1941, University of Minnesota
- BOYD KOEHLER, Librarian, Assistant Professor. M.A. 1967, University of Minnesota
- *ROY H. LAFAYETTE, Instructor of Business Administration, B.S.B. 1965, University of Minnesota (Auditing)
- *LORA LINDGREN, Instructor of Health and Physical Education, M.S. 1967, University of Wyoming
- LORRAINE K. LIVINGSTON, Assistant Professor of English, M.A. 1932, University of Minnesota (English Literature and Creative Writing)
- GERTRUDE S. LUND, Associate Professor of Business Education, M.A. 1951, University of Minnesota (Enjoys traveling)

- ORLIN L. MANDSAGER, College Pastor and Lecturer in Religion, B.D. 1961, Luther Theological Seminary
- *KEISHIRO MATSUMOTO, Instructor of Business Administration, M.B.A. 1965, University of Michigan (Statistical Methods in Finance)
- MARTHA M. MATTSON, Associate Professor Emeritus, M.A. 1932, University of Minnesota
- *MARIE O. McNEFF, Assistant Professor Education, Ed.D. 1967, University of Nebraska (Elementary Education) (Enjoys bargain-hunting)
- DIANA LEE METZKER, Instructor in Music, M.A. 1969, University of Minnesota (Organ, Piano, Theory)
- ERWIN D. MICKELBERG, Associate Professor of Biology, M.A. 1964, University of Minnesota (Field Biology and Human Biology) (Spends his Sundays preaching)
- *SHEROD MILLER, Assistant Professor of Sociology, Ph.D. 1971, University of Minnesota (Interpersonal communication) (Enjoys sailboating and gardening)
- JOHN R. MITCHELL, Assistant Professor of English, M.A. 1971, University of Tennessee (Modern Poetry and Cinema) (Chief academic and personal interests include film studies and film-making, poetry and creative writing, painting, Jungian psychology and dream analysis, African literature, electronic music, tennis, cross country skiing, archaeology)
- *AUGUST MOLDER, Artist in Residence in Art, LL.D. 1944, University of Tartu, Estonia (Stained Glass)
- GERDA MORTENSEN, Professor Emeritus, M.A. 1928, Columbia University (Commissioner and Executive Secretary for the Norsemen's Federation; Secretary of the Executive Committee of the Norwegian-American 1975 Sesquicentennial Association for the Midwest)
- *KATSUYOSHI NAKAMURA, Instructor of Foreign Languages, M.A. 1972, University of Minnesota (Greek) (Enjoys exercises in all aspects - physical, mental and spiritual)
- ARTHUR NASH, Professor Emeritus, Ph.D. 1938, University of Minnesota
- EDOR C. NELSON, Associate Professor of Health and Physical Education, M.Ed. 1947, University of Minnesota (Head Baseball Coach)
- GORDON L. NELSON, Assistant Professor of Sociology, Ph.D. 1972, University of Chicago (Ethics and Society)
- RICHARD C. NELSON, Assistant Professor of History, M.A. 1967, University of Minnesota (Ancient History)
- *CATHERINE NICHOLL, Adjunct Assistant Professor of English, Ph.D. 1971, University of Minnesota
- GRIER NICHOLL, Associate Professor of English, Ph.D. 1964, University of Minnesota (American Studies)
- NORMA C. NOONAN, Associate Professor of Political Science, Ph.D. 1965, Indiana University (Comparative Politics, Soviet Politics, International Relations) Department Chairman (Has traveled extensively through the U.S.S.R., Eastern and Western Europe. Enjoys music, reading and gardening; active in politics.
- DOUGLAS J. OLLILA, Associate Professor of Religion, Th.D. 1963, Boston University (Religion in America)
- ESTHER J. OLSON, Professor of Speech, Ph.D. 1956, University of Minnesota (Theater Arts)
- JOHN T. O'MALLEY, Assistant Professor of Business Administration, M.B.A. 1971, Mankato State College (Accounting)
- *WILLIAM OYLER, Instructor of Foreign Language, M.A. 1963, University of Minnesota (German)

- *VALERIE PACE, Instructor of Sociology, B.A. 1970, University of Iowa
(American Civilization)
- RONALD G. PALOSAARI, Associate Professor of English, Ph.D. 1970,
University of Minnesota (American Studies) Acting Department Chairman.
(Likes racketball, tennis, conversation and films)
- *PATRICIA PARKER, Assistant Professor of Library Science, M.A. 1952,
University of Michigan
- KERMIT E. PAULSON, Assistant Professor of Physics, M.S. 1963, University
of Wisconsin-Madison (Nuclear Radiation Physics)
- ANNE PEDERSON, Professor Emeritus, M.A. 1945, University of Minnesota
- LAURETTA PELTON, Assistant Professor of Education, M.Ed. 1966, Marquette
University (Teacher Competencies) (Likes art crafts, music, outdoor
camping with special interest in water sports and travel)
- WARREN L. PERSONS, Assistant Professor of Mathematics, M.A. 1968,
University of Wisconsin (Point Set Topology)
- LAVONNE PETERSON, Associate Professor of Health and Physical Education,
M.A. 1953, Montana State University (Cross country skiing, camping,
music)
- JOYCE PFAFF, Instructor of Health and Physical Education, M.Ed. 1969,
University of Minnesota. (Works with the mentally retarded; spends
weekends skiing.)
- MARTIN QUANBECK, Professor Emeritus, Ph.D. 1952, University of Minnesota
- PHILIP A. QUANBECK, Professor of Religion, Ph.D. 1958, Princeton
Theological Seminary, Department Chairman of Religion
- BRUCE R. REICHENBACH, Assistant Professor of Philosophy, Ph.D. 1968,
Northwestern University (Philosophy of Religion, Existentialism)
Department Chairman (Enjoys camping and travel)
- STEVEN F. REUTER, Instructor of Education, M.Ed. 1972, University of
Nebraska (Elementary Education) (Antique collector)
- *JOHN F. RILEY, Associate Professor of Religion, Ph.D. 1964, Catholic
University of America (Contemporary Catholic Theology)
- GUNTA ROZENTALS, Associate Professor of Foreign Language, Ph.D. 1968,
University of Minnesota (Spanish)
- PAUL RUSTEN, Adjunct Instructor in Art (Film-Making)
- EDWARD M. SABELLA, Assistant Professor of Economics, Ph.D. 1971,
University of Minnesota, Department Chairman (Theory, Public Finance,
Urban)
- *KATHRYN SANDQUIST, Instructor of Music, B.A. 1958, University of
Minnesota (Piano)
- RICHARD B. SARGENT, Assistant Professor of English, B.A. 1965, University
of North Carolina (Shakespeare, Drama, Renaissance Literature)
- LELAND B. SATEREN, Professor of Music, L.H.D. 1965, Gettysburg College
and D.Mus. 1965, Lakeland College (Director of the Augsburg Choir)
- *IRENE SCHILLING, Librarian I, M.A. 1973, University of Minnesota
(Library Science)
- EDWIN J. SAUGESTAD, Associate Professor of Health and Physical Education,
M.A. 1964, University of Minnesota (Head Hockey Coach)
- A. MAYO SAVOLD, Associate Professor of Music, M.Mus.Ed. 1963, MacPhail
School of Music
- *RABBI FREDERICK C. SCHWARTZ, Visiting Professor of Religion, Ph.D. 1960,
Hebrew Union College (Judaism)
- MARJORIE H. SIBLEY, Head Librarian, Assistant Professor, M.A. 1943,
University of Illinois and M.A. 1961, University of Minnesota

- *DENNIS SJOGREN, Teaching Assistant in Biology
 EUGENE SKIBBE, Associate Professor of Religion, D.Th. 1962, University of Heidelberg (Contemporary Theology)
 PAUL T. STEEN, Professor of Sociology, Ph.D. 1962, University of Minnesota (Social Welfare) (Active in mental retardation services and aging projects of the community)
- *CARROLL I. STEIN, Assistant Professor of Psychology, Ph.D. 1966, University of Minnesota (Organizational Psychology)
 DONALD B. STEINMETZ, Associate Professor of Foreign Language, Ph.D. 1973, University of Minnesota (German, Linguistics) Department Chairman
 MYLES C. STENSHOEL, Professor of Political Science, Ph.D. 1965, University of Colorado (Constitutional Law, Political Theory)
 GRACE KEMMER SULERUD, Librarian, Assistant Professor, M.A. 1968, M.A. 1970, University of Minnesota
 RALPH SULERUD, Associate Professor of Biology, Ph.D. 1968, University of Nebraska (Genetics) Department Chairman
- PHILIP J. THOMPSON, Associate Professor of Art, M.F.A. 1958, University of Iowa (Painting) Department Chairman
- *RICHARD THONI, Instructor of Psychology, B.A. 1966, St. Olaf College (Personality)
 NEAL O. THORPE, Associate Professor of Biology, Ph.D. 1965, University of Wisconsin (Biochemistry and Biomedical Research)
 JOHN THUT, Associate Professor Emeritus, M.Mus. 1934, American Conservatory of Music
 VERA THUT, Instructor Emeritus, B.Mus. 1927, American Conservatory of Music
 JOEL S. TORSTENSON, Professor of Sociology, Ph.D. 1959, University of Minnesota (Metro-Urban Sociology), Department Chairman
- ERLING J. URDAHL, Professor of Biology, M.A. 1940, University of Minnesota (Plant Biology and Invertebrate Zoology)
- *EUGENE VUICICH, Assistant Professor of Music, M.M. 1967, Indiana University (Instrumental Music, Director of the String Ensemble)
- ANTHONY WAGNER, Assistant Professor of Sociology/Social Work, M.S.W. 1973, University of Minnesota
 BEVERLY A. WEGGE, Assistant Registrar, B.S. 1958, St. Cloud State College
- *DOROTHY WILLIAMSON, Lecturer in Art, M.A. 1963, University of Minnesota (Elementary Art Methods)
- *MARY WILSON, Artist in Residence in Music, B.A. 1938, Macalester College (Flute)
 DAVID C. WOOD, Associate Professor of English, Ph.D. 1969, Bowling Green State University (Eighteenth Century Literature, Journalism)

* Part-time

Administration

President Oscar A. Anderson

Finance and Management

Vice President for Finance and Management Burton P. Fosse
 Controller Wayne Pederson
 Director of Plant Services Eugene Ecklund
 Director of Food Services Carl Stromer
 Director of Data Processing David Pederson
 Director of Auxiliary Services Douglas P. Wasko
 Manager of the Book Store Irving Hoel

Academic Affairs

Vice President for Academic Affairs
 and Dean of the College Kenneth C. Bailey
 Associate Dean of the Faculty
 and Director of Special Programs F. Mark Davis
 Registrar Mildred Joel
 Assistant Registrar Beverly Wegge
 Head Librarian Marjorie Sibley
 Director of Audio Visual Services Larry Glenn
 Director of MUSIP John C. Dawson

Development and College Relations

Vice President for Development Glen W. Johnson
 Director of Deferred Giving Sigvald Hjelmeland
 Director of Development David Teslow
 Director of Alumni and Parents Programs Jeroy Carlson
 Director of College Relations Michael Walgren
 Manager of Publications Steven J. Vite
 Manager of the News Bureau Jerry Foley
 Office Manager Irene Steenson

Student Affairs

Vice President for Student Affairs
 and Dean of Admissions Bruce L. Gildseth
 Director of the Center for Student
 Development Marianne Sander
 Director of Student Development Resources Richard Thoni
 Director of Residence Programs Cindy Marsh
 Director of Career Planning and Placement Pat Olsson
 Director of Student Programs Joel Mugge
 Director of Financial Aid Herald Johnson
 Director of Admissions Mark Johnson
 Associate Director of Admissions Donovan Lundeen
 Assistant Director of Admissions David Gronner
 Admissions Counselor Sandra Becker
 Admissions Counselor Dave Benzel
 Admissions Counselor Cene Carlson
 Coordinator of Black Student Affairs Terry H. Addison, Jr.

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