TABLE OF CONTENTS

Administration .................................................. 3
Calendar ............................................................. 3
Departments Offering Graduate Instruction .......... 7
General Information ........................................... 9
Graduate Studies at UNO .................................... 9
Accredited Standing .......................................... 10
Equal Opportunity/Affirmative Action Policy Statement 10
Privacy Act ......................................................... 10
Degree Programs .............................................. 10
University Regulations ...................................... 10
Admission and Transcripts .................................. 10
Matriculation Fee .............................................. 11
Examinations for Graduate Students ................... 11
Classification of Admission .............................. 11
Temporary Admission ........................................ 13
Registration Procedure ..................................... 13
Certification or Professional Growth .................... 13
Admission to Candidacy for Graduate Degree ....... 13
Application for the Degree .................................. 14
Final Comprehensive Examination .................... 14
Thesis ............................................................... 14
Quality of Work ............................................... 15
Incomplete Policy ............................................. 15
Policy on Class Attendance ............................... 16
Appeals Procedure ............................................ 16
Ombudsman Office ............................................ 17
Study Load ....................................................... 17
Dropping and Auditing Courses ......................... 17
Courses for Graduate Credit .............................. 18
Residence Requirements .................................... 18
Transfer of Credit ............................................. 18
Withholding From the University ....................... 18
Time Limit for Graduate Degrees ....................... 18
Tuition, Fees, Deposits and Refunds ................... 19
Student Development Services ........................ 19
Financial Aid for Graduate Students ................... 24
Organizations .................................................. 25
Administration for Graduate Studies ................ 25
Faculty Senate Research .................................... 25
Extramural Grants ............................................ 26
Graduate Program Committees ........................ 26
Center for Scholarly Inquiry ............................ 26
Policy on plagiarism .......................................... 27
Policy on Ethical Conduct ................................ 27
Required Procedure for Graduate Students ........ 27

Degree and Certificate Requirements .............. 31
Biology ............................................................ 31
Business Administration ................................... 31
Civil Engineering .............................................. 31
Communication ............................................. 34
Counseling and Guidance ............................... 34
Criminal Justice .............................................. 36
Dramatic Arts ............................................... 36
Economics ..................................................... 38
Educational Administration and Supervision ....... 38
Educational Foundations ............................... 38
Elementary and Early Childhood Education ....... 41
English ........................................................... 42
General Science ............................................ 42
Geography and Geology ................................. 43
Germontology ............................................... 43
Health, Physical Education and Recreation ....... 44
History ........................................................ 45
Home Economics ........................................... 46
Mathematics .................................................. 47
Courses

- Political Science
- Psychology
- Public Administration
- Secondary/Post-Secondary Education
- Social Work
- Sociology
- Special Education
- Urban Studies

School of Engineering Technology

Course Descriptions

- Art
- Biology
- Black Studies
- Business Administration
- Chemistry
- Civil Engineering
- Communication
- Counseling and Guidance
- Criminal Justice
- Curriculum and Instruction
- Dramatic Arts
- Economics
- Educational Administration and Supervision
- Ecological Foundations
- Elementary and Early Childhood Education
- English
- Foreign Languages
- General Engineering
- Geography and Geology
- Geology
- Health, Physical Education and Recreation
- History
- Home Economics
- Mathematics and Computer Science
- Music
- Philosophy and Religion
- Physics
- Political Science
- Psychology
- Public Administration
- Secondary/Post-Secondary Education
- Social Work
- Sociology
- Special Education
- Theatre
- Urban Studies

UNO Graduate Faculty Index

The University of Nebraska at Omaha Graduate Catalog is published by the Department of University Relations. Robert E. Bernier, assistant director, Lynn Kaha, publications editor; Cindy Wofford and Carol Tate, editorial assistants.

Cover photo by Tim Fitzgerald.
DEPARTMENTS OFFERING GRADUATE INSTRUCTION

Departments or areas which have been approved to offer courses for graduate credit and the degrees available in each department are as follows:

<table>
<thead>
<tr>
<th>DEPARTMENT OR AREA</th>
<th>Master of Arts</th>
<th>Master of Science</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>x</td>
<td>x</td>
<td>MFA</td>
</tr>
<tr>
<td>Biology</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Business Administration</td>
<td></td>
<td>x</td>
<td>MBA</td>
</tr>
<tr>
<td>Chemistry</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counseling and Guidance</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Agency Counseling</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>College Student Personnel Services</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Elementary Counseling</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary Counseling</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Dramatic Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Educational Administration and Supervision</td>
<td>Ed.S.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary Administration</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Secondary Administration</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Educational Foundations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urban Education</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Elementary and Early Childhood Education</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
<td>x</td>
<td>Certificate**</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>German</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Science</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Geography</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gerontology</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Health, Physical Education and Recreation</td>
<td></td>
<td>x</td>
<td>Certificate</td>
</tr>
<tr>
<td>History</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home Economics</td>
<td>x</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Mathematics</td>
<td>x</td>
<td>x</td>
<td>MAT</td>
</tr>
<tr>
<td>Music</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Physics</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td></td>
<td>Ph.D.*</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Industrial Organizational Psychology</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>School Psychology</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Public Administration</td>
<td></td>
<td>x</td>
<td>6th Yr. Certificate and Ed.S.</td>
</tr>
<tr>
<td>Secondary/Post-Secondary Education</td>
<td></td>
<td>x</td>
<td>MPA</td>
</tr>
<tr>
<td>Social Work</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Applied Sociology</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Special Education</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Reading</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Special Learning Disabilities</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Speech Pathology</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Teaching the Deaf</td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Teaching the Emotionally Disturbed</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Teaching the Mentally Retarded</td>
<td></td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Urban Studies</td>
<td>x</td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

**English as a second language.**

*Ph.D. in the specialties of industrial psychology and developmental psychology offered in conjunction with the Psychology Department, UN-L. Ph.D. in the specialty of experimental child psychology is offered in conjunction with the Educational Psychology and Measurements Department, UN-L.*
GRADUATE STUDIES AT UNO

The first Master's degree was awarded in 1919 by a special vote of the Board of Trustees of the "old" University of Omaha. In 1932, after the University became the Municipal University of Omaha, a Graduate Committee was organized to supervise graduate education. In 1942, the Graduate Committee was replaced by the Committee on Graduate Studies. The degree Master of Science in Education was approved in 1948. In 1954, the Committee on Graduate Studies became the Graduate Council and the Chairman became the Director of the Graduate Division. In 1960, the Board of Regents authorized a year of graduate study in education beyond the Master's degree. The Master of Business Administration was authorized in 1965 and the Master of Public Administration was authorized in 1970.

Recognizing the growing importance of graduate education, the term "Graduate Division" was authorized in 1969. In October, 1962, the Board of Regents established the College of Graduate Studies as the sixth college of the University of Omaha. In 1966, the name was changed to The Graduate College. In 1973 the Graduate Colleges on the separate campuses were merged into one Graduate College of the University of Nebraska with one Graduate Faculty. The College is administered by a Dean of the Graduate College. The former campus Deans of the campus Graduate Colleges became Deans for Graduate Studies and Research and report to the Dean of the Graduate College.

Graduate studies provide the opportunity for more advanced education than the undergraduate work upon which all graduate programs are founded. Qualified students at UNO are provided with opportunities:

1. To work toward degrees: Master of Arts, Master of Arts for Teachers of Mathematics, Master of Science, Master of Business Administration, Master of Public Administration, Master of Social Work, and Specialist in Education.

2. To earn graduate credit for the issuance or renewal of certificates for teachers, administrators and educational psychologists.

3. To provide for scholarly and professional advancement.

To enable the student to attain these objectives, Graduate Studies at UNO provide graduate courses, workshops, institutes, seminars, practice, research and special problems courses, and the supervision of thesis or special projects. Thus the Graduate Faculty at UNO promotes the spirit of free investigation in the various disciplines and, at the same time, serve to unite the various branches of the University in advancing human knowledge and providing intelligent, capable leadership for society.

The UNO Graduate Council consists of fifteen members from among the Graduate Faculty and students. The Council serves in an advisory capacity to the Dean for Graduate Studies and Research and is responsible for planning and policy development, review of courses and programs, and faculty and student affairs.

ACCREDITED STANDING

The University of Nebraska at Omaha is fully accredited by the North Central Association of Colleges and Secondary Schools, and has programs which are accredited or approved by the National Council for Accreditation of Teacher Education, the National Council on Social Work Education, the Engineers Council for Professional Development, the American Home Economics Association (for undergraduate programs), the American Dietetic Association, the American Assembly of Collegiate Schools of Business (for undergraduate programs), and the American Chemical Society. Its courses are accepted for purposes of teacher certification by the Nebraska State Department of Education.

Course credits from the University of Nebraska at Omaha are accepted by other colleges and universities which are members of the North Central Association and by other regional accrediting agencies.

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION POLICY STATEMENT

The Bylaws of the Board of Regents of the University of Nebraska state: "Admission to the University and the privileges of University students should not be denied to any person because of their age, sex, race, color, national origin, or religious or political beliefs."

The University of Nebraska at Omaha declares and reaffirms a policy of administering all of its educational programs and related supporting services and benefits in a manner which does not discriminate because of a student's or prospective student's race, color, creed or religion, sex, national origin, age, handicap, or other characteristic which cannot be lawfully the basis for provision of such services. These programs, services and benefits include, but are not limited to, admission, class assignment, scholarships and other financial and employment assistance, counseling, physical education and recreational services, and the membership practices of student organizations.

Further, UNO commits itself to a program of affirmative action to encourage the application of minority, women and handicapped students, to identify and eliminate the effects of any past discrimination in the provision of educational and related services, and to establish organizational structures and procedures which will assure equal treatment and equal access to the facilities and educational benefits of the institution for all students.
PRIVACY ACT

In compliance with the Family Education Rights and Privacy Act of 1974, the University of Nebraska at Omaha guarantees students access to official records directly related to students and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading, or otherwise inappropriate. Also, the institution must obtain the written consent of students before releasing identifiable data about students from records to other than a special list of exceptions, and that students must be notified of those rights.

An explanation of this Act and its application at UNO is available to all students, copies of which may be obtained at the Office of Student Activities, the University Information Center, the Registrar's Office, the Orientation Office, or the Office of Educational and Student Services.

Special Note: UNO welcomes handicapped students. Section 504 of the Rehabilitation Act of 1973 does not require the University to make reasonable accommodations for handicapped conditions. However, if you are handicapped and wish to receive information concerning available services, please notify us following your admission to UNO.

DEGREE PROGRAMS

All graduate degrees are awarded by the University of Nebraska system, with each campus having the responsibility of establishing and maintaining individual standards and requirements.

All departmental requirements must be in accord with the policies and practices of the Graduate College.

Master of Arts or Master of Science Degree

A departmental or interdepartmental program for either the Master of Arts or Master of Science degree as approved by the Graduate Faculty will normally be arranged to conform to one of the following patterns:

Option I: A 30 semester-hour program (maximum of 6-hour thesis credit included) as determined by the cognizant Graduate Program Committee.

Option II: A 36 semester-hour non-thesis program as determined by the cognizant Graduate Program Committee.

Master of Arts for Teachers of Mathematics

This is a specialized graduate degree designed to provide secondary school mathematics teachers with more depth in mathematics combined with a core of relevant professional courses in education.

Master of Business Administration Degree

This is a professional graduate degree designed to provide a broad educational experience for students who wish to assume positions of responsibility in business.

Master of Public Administration Degree

This is a professional degree designed to provide broad educational experience for students who wish to assume positions of responsibility in government.

Master of Social Work

The Master's degree in social work is a professional degree which trains practitioners in developing skills for responsible practice in a wide variety of social service roles and settings.

Specialist in Education Degree

The Specialist in Education degree (S.E.D.) is an advanced degree, involving a minimum of one year of study beyond the Master's degree. It is designed to offer additional study for professional educators.

EXAMINATIONS FOR GRADUATE STUDENTS

Three examinations: the Graduate Record Examination, the Graduate Management Admission Test and the Miller Analogies Test, are used by various departments to provide valuable evidence of a student's qualifications for graduate work and are helpful in planning courses of graduate study.

These tests are given at UNO under the supervision of the Director, Counseling and Testing Center. Registration deadlines and testing dates are available from the Counseling and Testing Center. Eppley Building, or the Graduate Office, Adm. 283. A nominal fee is charged for these examinations.

MATRICULATION FEE

A matriculation fee of $10 is payable upon initial enrollment in Graduate Studies. This fee is not refundable.

UNIVERSITY OF NEBRASKA AT OMAHA
A student who has not taken the GRE prior to application for admission to Graduate Studies but who is judged from other evidence to be capable of graduate study, is assigned provisional status. A final determination of classification will be made after the examination scores have been received.

A Graduate Studies applicant already holding a Master's degree in the field in which he or she wishes to pursue further study may take a graduate examination to be admitted to the Graduate Record Examination.

Students who wish to be admitted to Psychology Department programs are required to submit GRE scores (verbal, quantitative, and advanced) before being considered for admission.

The Counseling and Guidance Department requires those wishing to pursue a degree program in counseling to take admissions tests and submit scores to the Graduate Record Examination (see page 35).

Graduate Management Admission Test (GMAT)

Applicants for admission to the Master of Business Administration program are required to take the Graduate Management Admission Test in lieu of the Graduate Record Examination.

Miller Analogies Test (MAT)

Graduate students who have been admitted into the Department of Educational Administration and Supervision may take the Miller Analogies Test in lieu of the Graduate Record Examination. Students majoring in Special Education must take the Miller Analogies Test. This test is administered on an individual basis; an appointment to sit for the test may be scheduled through the Counseling and Testing Center.

The Test of English as a Foreign Language

The Test of English as a Foreign Language (TOEFL) scores must be on file in the Director of Admissions Office before an application for admission to Graduate Studies is mailed to a foreign student desiring to enroll for graduate study at UNO. This provision does not apply to those foreign students whose native language is English.

CLASSIFICATION OF ADMISSION

All recommendations for any type of admission are subject to the approval of the Dean for Graduate Studies and Research.

Unconditional

Unconditional admission to graduate study may be granted to a student who has a Bachelor's degree from a regionally accredited institution, who has earned at least a B average in the undergraduate work in his proposed graduate major and minor, and who presents at least 12 semester hours of undergraduate work that meet specific requirements of the departments in his graduate major and minor. In addition to the specified transcript record, appropriate scores of the Graduate Record Examination, Miller Analogies Test, or the Graduate Management Admissions Test must be supplied to the Dean for Graduate Studies and Research.

Provisional

Provisional admission may be granted to a student who has a Bachelor's degree from a regionally accredited institution but who has not completed all of the undergraduate prerequisite course requirements for admission to graduate study. This provisional status will continue until such time as the student has completed all of the undergraduate prerequisites for graduate study.

Provisional admission may occasionally be granted to a student who has less than a B average in the undergraduate work in his proposed graduate major and minor, but in no case less than a C average upon recommendation of the Chairman of the Graduate Program committee of the major department (and minor if one is involved) and written approval by the Dean for Graduate Studies and Research. This admission may be made for reasons of maturity, experience, or other extenuating circumstances under which the student may be deemed capable of high quality graduate study. This provisional admission will not be removed until the student has successfully demonstrated to the satisfaction of the Department and the Dean his ability to pursue graduate study.

Admission to graduate study who have been graduated from unaccredited colleges may be admitted provisionally. Unconditional status may be attained upon completion of twelve semester hours of graduate course work with a least a B average. Specifically, a student must earn at least grade of "B" in each course involved in the twelve hours of graduate study. A grade of "C" or below in any of these courses will result in automatic dismissal.

A student may not apply for admission to candidacy for any degree until he has met the requirements of unconditional admission.

No more than twelve semester hours credit may be earned within the University of Nebraska System while under Provisional Admission status without special approval from the Dean for Graduate Studies and Research.

Ten Degree

Some students who do not anticipate pursuing a degree program may be admitted to graduate study as non degree students. This classification includes:

1. graduate students taking courses for teacher certification
2. graduate students taking courses for professional growth
3. graduate students taking courses for cultural advancement
4. graduate students already holding a degree.

Applicants in this non-degree category must meet graduate and departmental requirements for admission; each department has the right to establish policies for non-degree students enrolled in classes therein.

Credentials for admission include a completed application blank and one undergraduate transcript. Credit hours accumulated in this category could be counted toward a degree only if (a) the transition from non degree status is accomplished no later than the first opportunity to file candidacy for degree, and (b) the petition for change is accompanied by a departmental recommendation that the specified credit hours count toward the degree. For students desiring to change status, the Request for a Change — Graduate Degree Program Form should be used. Under no conditions may Non Degree status counts toward more than nine (9) semester hours into a degree program. Any transfer credit may be recommended for acceptance by the receiving department, which may also recommend less than a maximum.

No more than twelve semester hours credit may be earned within the University of Nebraska System while under Non Degree status without special approval from the Dean for Graduate Studies and Research.

Acceptance of Senior Credits: Seniors at an accredited institution who have obtained in advance the approval of the appropriate campus Dean for Graduate Studies and Research may receive up to 12 hours of credit for graduate courses taken at any campus of the University of Nebraska System in addition to the courses necessary to complete their undergraduate work, provided that such credits are earned within the 12 months prior to receipt of the baccalaureate.

Students in this University seeking not more than nine hours of undergraduate credit to complete the baccalaureate degree and wishing to register for graduate credit must be granted provisional status to enroll in graduate study subject to receiving their baccalaureates within the twelve-month period immediately following such registration. They must file application for admission to graduate study and, if admitted, will register on graduate study registration forms.

Course work taken prior to receipt of the baccalaureate may not always be accepted for transfer to other institutions as graduate work.

Admission to Professional Education Programs

Students who plan to work for the Master's degree with a major in one of the fields of education must hold a valid teaching certificate or be eligible for such a certificate at the undergraduate level before entering the program. For certification requirements, communicate with the Dean's Office in the College of Education.

TEMPORARY ADMISSION

When unexpected circumstances preclude processing applications for Unconditional, Provisional or Ten Degree status, the Dean for Graduate Studies and Research may issue a Temporary Admission. In these rare cases, the student must have all materials submitted for one of the regular admissions. A student admitted under the Temporary Admission form is registering at his/her own risk because, even if the application and transcripts are received by the deadline, the student may be denied admission after the transcripts have been evaluated. If this should happen, his/her enrollment will be canceled.

REGISTRATION PROCEDURE

The student is to follow the usual procedure in registering for courses by filling out the proper class cards and other registration blanks and by paying fees at the Business Office. At each registration period the student must secure the signature of the major adviser (and of the Dean for Graduate Studies and Research if registering for more than twelve hours).

Students must have been formally admitted to graduate study prior to their first registration.

CERTIFICATION OR PROFESSIONAL GROWTH

Students who wish to take courses for graduate credit to be used for teacher certification or professional growth must meet the same admission requirements as other graduate students. They must also apply for admission to graduate study.
ADMISSION TO CANDIDACY FOR GRADUATE DEGREE

Admission to graduate study does not admit the student to candidacy for any degree.

It is the student's responsibility to make application for candidacy for the degree as soon as qualified to do so. The qualifications for candidacy are: (1) the successful completion of Graduate Record Examination, the Miller Analogies Test, or the Graduate Management Admission Test must be on file in the Graduate Office; (2) the completion of six (6) hours of graduate credit must have been completed with a grade average of "B" or better, with no grade lower than "C" on all work taken within the Program of Study. Any Incomplete for any course in the student's major field of study or included in the Plan of Study must be removed before submission of the Application for Candidacy. At least one-half of the approved Plan of Study must be completed following the approval of the Application for Admission to Candidacy.

As a rule, no degree can be awarded in the same semester as candidacy for the degree is approved. Exceptions for which the thesis committee has been established in the major field of study or for the degree program. One exception is the candidate must be excused from the comprehensive examination covering the minor field if the candidate is enrolled in the major department for any course in the term in which the student is enrolled for credit. Incompletes should be completed by the end of the term following the student's application or removal from the Graduate. The student may NOT be a candidate for the degree unless reinstated by the Dean for Graduate Studies and Research. The scheduling of oral examinations during the summer sessions will be contingent upon the availability of appropriate members of the Graduate Faculty.

APPLICATION FOR THE DEGREE

The candidate for the degree must file an application for degree in the Registrar's Office in the semester or session in which the degree is to be granted. (See Calendar for date.)

FINAL COMPREHENSIVE EXAMINATION

A final comprehensive examination is required of all candidates for the Master's degree near the conclusion of their graduate study. For those candidates not writing a thesis, the examination is a written one. For those candidates writing a thesis the comprehensive examination may be either written or oral at the option of the department concerned. If written, it must be arranged at the convenience of the candidate. If the comprehensive examination is to be oral, it should be arranged at the convenience of both the major advisor and the candidate. The oral examination over the thesis, at time one-half of the examination may be devoted to the topic selected by the minor advisor. The thesis examination is to be conducted by the graduate committee and the approval of the Dean for Graduate Studies and Research. If the candidate has not been in continuous enrollment for more than two graduate courses in the degree program carrying a grade of "C" or below for any course taken in the student's major field of study or in any course included in the Plan of Study is considered a failure grade and a student receiving such a grade will automatically be dropped from the degree program. The student thus dropped may be reinstated by the department concerned, one of whom is recommended by the student and the minor adviser in consultation with the major and minor as soon as possible. The final comprehensive examination should be taken by both the major and minor advisers but falling within the limits established for all comprehensive examinations.

The scheduling of oral examinations during the summer sessions will be contingent upon the availability of appropriate members of the Graduate Faculty.

QUALITY OF WORK

A "B" average must be maintained in all graduate work taken as part of a degree program, with no more than two graduate courses in the degree program carrying a grade of "C." Notwithstanding a student's average, a grade of "C" in each of three graduate courses in the degree program will result in automatic dismissal from any further graduate work.

A grade of "D" or "F" for any course taken in the student's major field or in any course included in the Plan of Study is considered a failure grade and a student receiving such a grade will automatically be dropped from the degree program. The student thus dropped may be reinstated by the department concerned, one of whom is recommended by the student and the minor adviser in consultation with the major and minor advisers but falling within the limits established for all comprehensive examinations.

The scheduling of oral examinations during the summer sessions will be contingent upon the availability of appropriate members of the Graduate Faculty.

ADMISSION TO CANDIDACY FOR GRADUATE DEGREE

Admission to graduate study does not admit the student to candidacy for any degree.

It is the student's responsibility to make application for candidacy for the degree as soon as qualified to do so. The qualifications for candidacy are: (1) the successful completion of Graduate Record Examination, the Miller Analogies Test, or the Graduate Management Admission Test must be on file in the Graduate Office; (2) the completion of six (6) hours of graduate credit must have been completed with a grade average of "B," with no grade lower than "C" on all work taken within the Program of Study. Any Incomplete for any course in the student's major field of study or included in the Plan of Study must be removed before submission of the Application for Candidacy. At least one-half of the approved Plan of Study must be completed following the approval of the Application for Admission to Candidacy.

As a rule, no degree can be awarded in the same semester as candidacy for the degree is approved. Exceptions for which the thesis committee has been established in the major field of study or for the degree program. One exception is the candidate must be excused from the comprehensive examination covering the minor field if the candidate is enrolled in the major department for any course in the term in which the student is enrolled for credit. Incompletes should be completed by the end of the term following the student's application or removal from the Graduate. The student may NOT be a candidate for the degree unless reinstated by the Dean for Graduate Studies and Research. The scheduling of oral examinations during the summer sessions will be contingent upon the availability of appropriate members of the Graduate Faculty.

APPLICATION FOR THE DEGREE

The candidate for the degree must file an application for degree in the Registrar's Office in the semester or session in which the degree is to be granted. (See Calendar for date.)

FINAL COMPREHENSIVE EXAMINATION

A final comprehensive examination is required of all candidates for the Master's degree near the conclusion of their graduate study. For those candidates not writing a thesis, the examination is a written one. For those candidates writing a thesis the comprehensive examination may be either written or oral at the option of the department concerned. If written, it must be arranged at the convenience of the candidate. If the comprehensive examination is to be oral, it should be arranged at the convenience of both the major advisor and the candidate. The oral examination over the thesis, at time one-half of the examination may be devoted to the topic selected by the minor advisor. The thesis examination is to be conducted by the graduate committee and the approval of the Dean for Graduate Studies and Research. If the candidate has not been in continuous enrollment for more than two graduate courses in the degree program carrying a grade of "C" or below for any course taken in the student's major field of study or in any course included in the Plan of Study is considered a failure grade and a student receiving such a grade will automatically be dropped from the degree program. The student thus dropped may be reinstated by the department concerned, one of whom is recommended by the student and the minor adviser in consultation with the major and minor advisers but falling within the limits established for all comprehensive examinations.

The scheduling of oral examinations during the summer sessions will be contingent upon the availability of appropriate members of the Graduate Faculty.

QUALITY OF WORK

A "B" average must be maintained in all graduate work taken as part of a degree program, with no more than two graduate courses in the degree program carrying a grade of "C." Notwithstanding a student's average, a grade of "C" in each of three graduate courses in the degree program will result in automatic dismissal from any further graduate work.

A grade of "D" or "F" for any course taken in the student's major field or in any course included in the Plan of Study is considered a failure grade and a student receiving such a grade will automatically be dropped from the degree program. The student thus dropped may be reinstated by the department concerned, one of whom is recommended by the student and the minor adviser in consultation with the major and minor advisers but falling within the limits established for all comprehensive examinations.
POLICY ON CLASS ATTENDANCE

The policy: Classes are conducted on the premise that regular attendance is desirable and expected. The individual instructor has the responsibility for managing student attendance and for communicating the consequences at the beginning of each semester that class attendance policies will be enforced in that class.

If a student is absent or anticipates an absence, the student's primary responsibility is directly to the instructor, and the student should consult with them accordingly. A student who misses a class is nonetheless responsible for information and assignments made during that class session. If a student discovers that he or she is to be absent for an extended period, the student should promptly notify the instructor and be prepared to document the reason for extended absence.

"Instructors or other University officials who may require students, individually or collectively, to be absent from their classes due to a field trip or similar officially-recognized activity are responsible for providing adequate information to the students involved so that they could have communicated this information to other instructors.

Appeals procedure: "Should there be cause on the part of individuals involved to feel that the reasons for absence were not considered with equity, a decision with punitive consequences may be appealed. The initial appeals procedure is the same as that provided for in each departmental unit for other academic, classroom-related items (e.g., grades, cheating, etc.), involving the justification for the appeal in writing to the department. If the initial appeal decision is unsatisfactory, the next step in the appeals process rests with the student submitting a written statement to the respective academic dean indicating the specific nature of the appeal to be considered and requesting the committee of the appropriate collegial committee designated for such grievances.

"The committee makes a recommendation to the respective dean, and the decision of the dean's decision is then conveyed to the student. If a student wishes to appeal further the decision of the academic dean, a written statement identifying the specific nature of the appeal, including any additional information, is submitted to the executive dean.

The University Committee on Academic Standards shall recommend appropriate action to the Provost or Vice Chancellor for Academic Affairs.

The routing of appeals shall be in the department and collegial unit offering the course in which the student is enrolled.

GENERAL APPEAL PROCEDURES FOR ACADEMIC MATTERS

The following policy was approved by the University of Nebraska Graduate College's Executive Graduate Council on April 24, 1975. It applies to academic matters, other than those associated with class attendance:

A. Graduate students holding admission with unsatisfactory status in the Graduate College, admission with a master's objective, or admission with a doctoral objective (but prior to the appointment of a doctoral supervisory committee) should appeal as follows:

1. Initially, the appeal should be submitted to the Department or Interdepartmental Area Graduate Committee administratively responsible for the student's graduate program.
2. If denied, the appeal may be submitted to the Department or Interdepartmental Area Graduate Committee administratively responsible for the student's program.
3. If denied, an appeal may be made to the graduate council for the campus administratively responsible for the student's graduate program. Normally, this will be the final appeals body (for exceptions, see paragraph E).

B. Graduate students holding admission with a doctoral objective in the Graduate College and for whom a doctoral supervisory committee has been appointed should appeal as follows:

1. Initially, the appeal should be submitted to the student's supervisory committee.
2. If denied, the appeal may be submitted to the Department or Interdepartmental Area Graduate Committee administratively responsible for the student's supervisory committee.
3. If denied, the appeal may be submitted to the Department or Interdepartmental Area Graduate Committee administratively responsible for the student's graduate program.
4. If denied, an appeal may be made to the graduate council for the campus administratively responsible for the student's graduate program. Normally, this will be the final appeals body (for exceptions, see paragraph E).

C. When a student's graduate program consists of registrations essentially or entirely on one campus, the Graduate Council of the campus administratively responsible for the program will constitute the appeal board. When a student's graduate program includes registrations on a campus other than the one administratively responsible for the program, three members of the Graduate Council for the other campus will be designated by the Dean for Graduate Studies on that campus to augment the Graduate Council on the campus administratively responsible for the program. In this case, the augmented council will constitute the appeal board.

The decision concerning augmentation of a campus Graduate Council for a specific appeal involving registrations on a campus other than the one administratively responsible for the student's program will be made by the Deans for Graduate Studies on the campuses involved.

D. In all cases, appeals should be made in writing to the appropriate adviser, committee, or council.

E. 1. Only under special circumstances will Committee III of the Executive Graduate Council hear an appeal from the decision of the campus graduate council. These circumstances are limited to occasions where Committee III believes that:

a. The campus graduate council has failed to examine the student's request in a manner consistent with the expertise you may need, and actions on your behalf by the Ombudsman, are just some of the duties of the office. The service is confidential and free. If you have questions about University procedures, or don't know where to turn when you are confronted with unusual problems, try the Ombudsman, Administration 217. A more detailed description of the Ombudsman is in the Undergraduate Catalog.

STUDY LOAD

Full-time graduate students at the University of Nebraska shall be defined as graduate students enrolled for at least nine credit hours during an academic semester (or quarter) or at least three hours during a five-week summer session irrespective of whether or not the student holds a graduate assistantship.

Guidelines for determining full-time status: Undergraduate students carrying less than twelve hours may obtain a regular students activities card by paying the full-time fee of $36.00.

NOTE: Students enrolling for more than twelve hours must have the approval of the Dean for Graduate Studies and Research. The Director of the Graduate School of Social Work may approve loads to fifteen hours for social work majors.

DROPPING AND AUDITING COURSES

A student may not drop a course after the date stated in the Academic Calendar and the Class Schedule. Exceptions beyond that date will require the professor's certification that the student is earning a grade of "B" or higher as well as the approval of the Dean for Graduate Studies and Research.

The Dean's approval will require, in part, an uncontrollable circumstance interfering with the student's studies.
A student wishing to audit a course must secure the permission of the adviser, must register for the course to be audited, and must secure the permission of the department. If the student has no prerequisite it will be to determine privileges including exam
courses which are available for graduate credit are those which have been especially approved by the Assistant Professor with a grade of B or former standards. It is expected as a rule that graduate students enrolled in those numbered 800-400

II. TRANSFER OF CREDIT

Courses which are available for graduate credit are those which have been especially approved by the Graduate Faculty with syllabus on file in the Graduate Office.

Courses numbered 800, 900, and 900 are open to graduate students only. Some courses numbered 800-400 are open to both seniors and graduate students; the course to be offered by the student's major adviser who forwards the petition with his recommendation to the Dean for Graduate Studies and Research for his approval.

Courses for which transfer is requested must have been made for graduate credit at another university and have been approved by the Dean for Graduates Study and Research for graduate credit.

Courses which are available for transfer of credit for which previous credit has been given may be transferred from other schools in the University System to apply toward degree requirements after the first week of classes. Courses numbered 800-400

The student must have the former instructor submit an evaluation to the Dean for Graduate Studies and Research for his approval.

Courses for which transfer is requested must not have been used to satisfy the requirements for any previously awarded degree. Grades in courses for transfer of credit must be the equivalent of "B" or higher. A written request must be made for transfer of credits from an ungraded course elsewhere; the student must have the former instructor submit an evaluation to the Dean for Graduate Studies and Research for his approval.

In the Educational Specialist degree, six semester hours of work beyond the Master's level may be accepted as transfer credit. A course may be accepted as transfer credit up to a maximum of six hours for the Master's degree.

In the Master of Social Work degree, a minimum of forty-two semester hours credit must be achieved.

Students who have completed graduate courses at other approved graduate schools (including extension schools) may request the permission to transfer as many as six semester hours of credit on a thirty-hour program, or nine semester hours of credit on a thirty-six-hour program provided the courses are in the student's graduate program. Courses for which transfer is requested must not have been made for graduate credit at another university and have been approved by the Dean for Graduate Studies and Research for his approval.

Students who wish to take graduate courses at the University of Nebraska at Lincoln or at the University of Nebraska at Omaha must have a grade of B or higher in a course that meets the University's requirement. The courses are available for graduate credit at the University of Nebraska at Omaha.

The student must have the former instructor submit an evaluation to the Dean for Graduate Studies and Research for his approval.

Courses which are available for graduate credit are those which have been especially approved by the Graduate Faculty with syllabus on file in the Graduate Office.

Students wishing to audit a course must secure the permission of the adviser, must register for the course to be audited, and must secure the permission of the department. If the student has no prerequisite it will be to determine privileges including exam

courses which are available for graduate credit are those which have been especially approved by the Graduate Faculty with syllabus on file in the Graduate Office.

Courses numbered 800, 900, and 900 are open to graduate students only. Some courses numbered 800-400 are open to both seniors and graduate students; the course to be offered by the student's major adviser who forwards the petition with his recommendation to the Dean for Graduate Studies and Research for his approval.

Courses for which transfer is requested must have been made for graduate credit at another university and have been approved by the Dean for Graduate Studies and Research for his approval.

Courses for which transfer is requested must not have been used to satisfy the requirements for any previously awarded degree. Grades in courses for transfer of credit must be the equivalent of "B" or higher. A written request must be made for transfer of credits from an ungraded course elsewhere; the student must have the former instructor submit an evaluation to the Dean for Graduate Studies and Research for his approval.

In the Educational Specialist degree, six semester hours of work beyond the Master's level may be accepted as transfer credit. A course may be accepted as transfer credit up to a maximum of six hours for the Master's degree.

In the Master of Social Work degree, a minimum of forty-two semester hours credit must be achieved.
Deposits:

- American College Testing (ACT), Residual: $7.50
- American College Testing (ACT), National: $5.00
- American College Testing (ACT), Residual: $7.50
- American College Testing (ACT), National: $5.00
- College Level Examination Program (CLEP): $12.00
- Graduate Record Examination (GRE): $10.50 per test
- Law School Admissions Test (LSAT): $12.00
- Graduate Record Examination (GRE): $10.00
- Miller Analogies Test (MAT): $10.00
- Correspondence Tests: $5.00 per course

Refund Schedule:

- After the Second week of classes: 0%
- After the First three days of classes: 25%
- After the First week: 50%
- Before the First official day of the semester: 100%

Career Development Center

- Literature on local and national employers, career fields, job descriptions, salary surveys, information about employment trends, occupational responsibilities, and required training qualifications for various career fields.
- More appropriate and satisfying career decisions will be made if individuals have more information about themselves and the world of work.
- To explore and clarify interests, values, needs, abilities, and career goals; one may become involved in individual counseling, workshops, the utilization of career information, testing and test interpretations.
- Counselors also assist individuals and groups in becoming acquainted with information on employment trends, occupational responsibilities, and required training qualifications for various career fields.

RESIDENT STUDENTS

A student's right to classification as a resident for purpose of registration in a state educational institution must be determined under the provisions of Nebraska Revised Statutes of 1943, Sec. 10-202 (R.S. Supp., 1965). (See General Catalog.) Any student who has been classified as a nonresident who believes he can qualify as a resident should contact the Registrar's Office.

STUDENT DEVELOPMENT SERVICES

Career Development Center

- Assists graduate candidates and alumni from all Colleges of the University in exploring career alternatives and making career decisions.
- More appropriate and satisfying career decisions will be made if individuals have more information about themselves and the world of work.
- To explore and clarify interests, values, needs, abilities, and career goals; one may become involved in individual counseling, workshops, the utilization of career information, testing and test interpretations.
- Counselors also assist individuals and groups in becoming acquainted with information on employment trends, occupational responsibilities, and required training qualifications for various career fields.

Stop by and explore the Career Development Center in the East Wing of the Eppley Building.

Career Placement Services

- Assists graduate candidates and alumni from all Colleges of the University in their search for career employment.
- Employment Counselors aid in assessing student career goals and related employment opportunities.
- Literature on local and national employers, career fields, job descriptions, salary surveys, employment trends and job-search techniques are also available.
- All first semester graduate students completing degrees are encouraged to register with Career Placement Services by completing a placement file, including a resume and Personal Data Form. The College Placement Annual, supplied without charge to registrants, is a valuable directory of organizations having positions available for college graduates.
- Teacher credentials are prepared and permanently maintained for candidates completing requirements for certification. A complete listing of local and regional teacher vacancies is available to all teacher candidates.
Counseling and Testing Center

There are a variety of services offered by the Counseling and Testing Center. The Center is located in the Eppley Building, first floor, east wing. The services are available to all students, faculty and staff without charge. The Center provides a setting in which a student can talk about anything he wishes to discuss in private with a counselor. It is the aim of the Counseling Center to use all available resources to assist students in making positive adjustments both in their academic and personal lives.

Counseling services are provided to assist UNO students in their intellectual, emotional, and social development. Students may come to the Counseling Center to talk with a professionally trained counselor at any time it is convenient for them. The staff believes that classes and studies are not an isolated part of a student’s life. The test-takers are usually influenced by the problems which allow students to gain the full benefits of their educational experience. Concerns about school, friends, financial worries, family problems, and vocational decisions are some of the things that are often discussed with a counselor. The students can expect that their privacy will be respected; whatever is discussed with a counselor will be held in confidence.

The main conceris of the Counseling Center is the individual student. We try to help students better understand themselves in relation to the world they live in. Students can learn to make more realistic decisions, increase their self-confidence, and discuss the things which concern them in a free, relaxed atmosphere. This experience results in the students knowing themselves better, becoming more comfortable with themselves, and being more effective in the total life experience.

Referral to other helpful sources is provided. Quite frequently students are unsure of where to turn for assistance in specific problems. The Counseling and Testing Center can act as a referral source to other services such as the Reading Clinic, Student Financial Aid, and others which are helpful to the students and counselors who may lack awareness of their availability. Contact with referral sources outside the University is also maintained for those students who may profit from them. Through the staff, a student who is unsure of where to go for special assistance, the Counseling and Testing Center can usually supply relevant information.

Examinations for Admission to Graduate or Professional Schools. The Counseling and Testing Center at UNO administers special examinations required to enter professional or graduate school. The following are among those examinations:

- Graduate Record Examination, Miller Analogies Test, Graduate Management Admissions Test, Law School Admissions Test, and Test of English as a Foreign Language
- Information and applications are available at the Counseling and Testing Center in the east wing of the Eppley Building.

Vocational and Educational Testing

The University believes that academic programs can be most efficiently planned in terms of the interests, aptitudes, and objectives of the individual student; therefore, an extensive testing system has been developed.

While there is no one test or group of tests which will magically reveal exactly the occupation for which one is best suited, a battery of psychological tests may be helpful to indicate aptitudes for certain broad fields of work. The test offered by the Counseling and Testing Center includes tests of five major types—intelligence, interest, achievement, aptitude, and personality—on the belief that each of these factors is significant in understanding oneself and in making educational and vocational plans.

Any student who is currently enrolled may avail themselves of the opportunity to take these tests at minimal or no cost. Professional counselors in the Counseling and Testing Center are available to all students for explanation and interpretation of these tests.

Ocational and educational information is available at the Counseling Center. The student has access to such information as educational opportunities, trends, and qualifications for various careers; and training opportunities in many fields. Information about an academic, social, and personal nature is also available. The office is located in the east wing of the Eppley Building.

The Information Center

The Information Center located in the Eppley Building has available information about events and campus phone numbers and office locations for University employees. To give or receive information call 354-2800 from 7:30 a.m. to 8 p.m. and 8 a.m. to noon on Saturdays.

Parent’s Association

Parents of students at the University of Nebraska at Omaha have a unique opportunity to become involved in the development and support of the University’s Parent’s Association. Any parent of a UNO student is eligible to become a member. Membership in the Parents Association offers an opportunity to become better informed about UNO and to share their children’s college experience. Family membership dues are $5.00 annually. For information, contact Student Development Services.

Part-Time Student Employment Service

UNO students seeking off-campus part-time employment should visit the Part-Time Student Employment Service Office in Milo Bail Student Center, Room 134.

Employment counselors are available to assist students in finding employment, matching job with career interest where possible. Emphasis is placed on developing job-search skills and interviewing techniques. For information on Part-Time Student Employment Service acting as liaison between employer and student.

Current listings of available jobs are posted on bulletin boards near Room 134 in Milo Bail Student Center and outside Room 150 in the Eppley Building. Qualified students are referred directly to employers for job interviews. All services are free.

Special Programs

The Office of Special Programs is the coordinating arm of several service units which function to assist UNO students with their special needs. The units, which are a part of the Office of Special Programs, are the Women’s Support Program, Minority Affairs, Student Health Services, International Student Advisor, Study Skills Center, and Handicapped Student Services. The Office of Special Programs is located in the North Lobby of the Eppley Building.

Handicapped Services

This service provides counseling to handicapped students as well as a forum to discuss and initiate needed services for the students. An advisory committee assists the University in providing a more effective handicapped services program.

International Student Advisor

The International Student Advisor provides guidance and advisement to individual foreign students on problems of academic, financial, and personal nature. The advisor is also a unique opportunity to become acquainted with your country’s culture, traditions, and customs.

Minority Affairs

The Office of Minority Affairs acts as a referral agent for persons seeking information and services at UNO and agencies located in the area. The Office disseminates information necessary in the co-ordination of activities involved with the minority student population as well as those special interest groups (American Indians United, Black Librarians for Action on Campus, La Raza, and United Minority Students) which are organized to serve them.

The Office also provides cultural and academic programming for non-white students on campus.

The Office minimizes the difficulty minority students encounter during their learning process at UNO. The financial and educational opportunity is aided through minority financial aid. The student is encouraged to participate in this or some other health care plan. A brochure describing coverage and benefits is available from the Student Health Services Office.
Health Center. Coverage for injury and sickness not due to University negligence is the full responsibility of each student.

University of Nebraska Medical Center Services. As a complement to the Health Center facility on the UNO campus, a range of services is available to UNO faculty, staff, students and their families at the Nebraska Diagnostic and Internal Medicine Associates at the Medical Center. These services include diagnostic and therapeutic outpatient services.

FINANCIAL AID FOR GRADUATE STUDENTS

GRADUATE ASSISTANTSHIPS

Available for qualified students who are enrolled in a graduate degree program are graduate assistantships in teaching, research or laboratory supervision. The assistant's assignment is designed to provide unexcelled opportunities for supervised educational experiences at the graduate level in conjunction with the degree program. The assistant may request from 333/400. Approximately twenty hours of work per week is required. The enrollment of students with assistantships will be limited to no more than twelve credit hours per semester unless the student has demonstrated extraordinary efficiency and the advisor recommends the abnormally heavy work load to the Dean for Graduate Studies and Research for his approval.

Graduate Assistants will be expected to carry at least 333/400 graduate credits per semester (with two five-week summer sessions equivalent to one semester). Graduate assistantships are awarded to students who must earn money for self-support may be required to reduce correspondingly the number of hours for which they may register. Such adjustments shall be subject to the approval of the Graduate Council.

Applications and their supporting credentials must be received on or before March 1. Address requests for information and application forms to the Chairperson of the Department in which the assistantship is desired.

TUITION WAIVERS FOR GRADUATE STUDENTS

Tuition waivers are often available for qualified students who have been admitted to graduate study. Eligibility is based on academic qualifications and financial need.

Information and application forms are available in the Graduate Office. Allow at least two months for processing applications.

TRAVELING SCHOLAR PROGRAM

The University of Nebraska is a member of the Mid-America State Universities Association along with Iowa State University, Kansas State University, University of Kansas, University of Oklahoma, Oklahoma State University, and the University of Missouri. Under the traveling scholar program, a graduate student who wishes to use special research facilities or take courses not available at the University of Nebraska at Omaha may do so with a minimum of red tape. If the major professor and the host institution agree, the student may spend a semester at another MASUA school by making appropriate arrangements at UNO. Nebraska residents pay resident tuition. The Graduate Office has further information.

SCHOLARSHIPS

Phi Delta Gamma, a national fraternity for women, offers two annual scholarships of $150 each, to women graduate students who have completed approximately one half of their graduate work with an excellent record. The Mary Ellen Watson-Phi Delta Gamma Scholarship and the Nelle Boley-Phi Delta Gamma Scholarship.

Applications and designs concerning these scholarships may be obtained from the Dean for Graduate Studies and Research Room 283, Administration Building. Applications should be in the Graduate Office by March 1 of each year.

LOANS

Graduate Students are eligible to apply for National Direct Student Loan (NDSL) which is based upon financial need. Qualified women graduate students are eligible for a Phi Delta Gamma loan on a limited basis. To apply for loans from other sources as well, contact the Director of Financial Aid, Room 219, Eppley Building.

ADMISTRATION FOR GRADUATE STUDIES

GRADUATE FACULTY

The Graduate Faculty prescribes the qualifications of all professors who offer graduate work and approves all courses which may be taken for graduate credit. The Dean for Graduate Studies and Research serves as Chairperson of the Graduate Faculty at UNO and of the UNO Graduate Council. Information about graduate programs, including qualifications of graduate faculty members, is available in the Graduate Office.

GRADUATE FACULTY MEMBERS

RESPONSIBILITIES

Graduate Faculty Members may teach graduate courses, supervise students enrolled in subdoctoral graduate programs, serve on the final examining committees for these students, and vote on any matters presented to the Graduate Faculty including the election of the Executive Graduate Council and the Graduate Council for their specific campus.

CRITERIA

The following requirements for the nomination of Graduate Faculty Members were adopted by the Graduate Faculty to establish consistent standards for faculty members eligible for appointment to carry out these assignments:

1. The nominee must hold the rank of Assistant Professor or above.
2. The nominee must hold the terminal degree normally accepted for academic employment in the student's discipline (or its clear equivalent) as determined by the Graduate Committee of the nominee's department or interdepartmental area.
3. The nominee will as part of his or her regular duties be actively involved in graduate student research and/or graduate teaching.
4. The nominee must have demonstrated clear evidence of scholarly activity and potential beyond teaching. This evidence must be provided by the nominator.

GRADUATE FACULTY FELLOWS

RESPONSIBILITIES

Graduate Faculty Fellows may teach graduate courses, supervise and serve on supervisory committees for students working towards post-baccalaureate degrees, vote on all matters presented to the Graduate Faculty, and vote on nominations for Graduate Faculty Fellows.

CRITERIA

The following requirements for the nomination of Graduate Faculty Fellows were adopted by the Executive Graduate Council to establish reasonably consistent standards for faculty members eligible for appointment to supervise doctoral students:

1. The nominee must be a Graduate Faculty Member and meet all criteria for Graduate Faculty Membership.
2. The nominee must have published research and scholarly work of quality, or have demonstrated comparable, creative achievement.
a. In disciplines where publication is the normal outlet for scholarly work or research, the nominator must provide evidence of the nominee's significant contribution to the field as evidenced by publication under the imprint of recognized scholarly publishing houses or journals. Publication must have resulted from a judgment of quality by an editorial board.

b. Publication is one of the primary indicators of the nominee's terminal degree, although publication of the dissertation or parts of it is significant if the nominator indicates the manner in which the published version represents a substantial amount of scholarly work in addition to that required for dissertation.

c. In disciplines such as art, architecture, theatre, or music where publication is not the normal or singular end product, the nominator must provide evidence of the accomplishments of the nominee. This creative work must bear evidence of acceptance by peers within the discipline.

3. The nominator must indicate current involvement of the nominee in research and/or creative work.

4. The nominator may provide supporting evidence for the nominee such as published textbooks related to graduate education, published instructional materials, published professional reports, or evidence of funded research and development projects.

5. The nominator may provide evidence of the nominee's teaching effectiveness in working with graduate students. This evidence may consist of peer and student evaluations or reports of student achievement subsequent to the receipt of advanced degrees.

GRADUATE COUNCIL

The Graduate Council of the Graduate Faculty at UNO is composed of elected faculty members and three graduate students. This Council considers graduate policies, procedures and proposed academic offerings. Information about the structure of the Council, the functions of the committees, and names of the Graduate Faculty members who are currently serving on the Council is available in the Graduate Office.

FACULTY SENATE RESEARCH COMMITTEE

This is an advisory committee to the Dean for Graduate Studies and Research. The objectives of this committee are: (1) to foster fruitful research as an adjunct to teaching excellence, (2) to recommend allocation of the available funds for research towards these ends, and (3) to encourage solicitation of monies for research. Requests for various research activities will be solicited, evaluated, and recommended for approval or disapproval in keeping with the objectives of the Committee's area of responsibility and concern.

EXTRAMURAL GRANTS

Through the Dean for Graduate Studies and Research, the Office of Grants Development provides advice and technical assistance to faculty and staff in the following areas: solicitation of funds for extramural sources; preparation of research proposals; preparation of grant budgets; preparation of grant financial reports; excess property programs; and implementation of workshops, seminars, and classes on grants development. The Director of Grants Development reports directly to the Dean for Graduate Studies and Research.

GRADUATE PROGRAM COMMITTEES

Each department (or area) offering a graduate degree has a Graduate Program Committee of at least three members. This committee and its chairperson are recommended annually by the graduate faculty members of the department for appointment by the Dean for Graduate Studies and Research.

In its department the Graduate Program Committee has the responsibility for the planning of the graduate program, the general supervision of the candidates for graduate degrees, and the examination of students by means such as the qualifying examination and the final comprehensive examination when these examinations are not given by a student's thesis or field project supervisory committee.

Each new graduate student, in the presence of the chairperson of the Graduate Program Commit-tee of the major department, shall select a major adviser. For the student who has a supervisory or advisory committee, the composition of the committee shall be recommended to the Dean for Graduate Studies and Research by the chairperson of the student’s Graduate Program Committee after consultation with the student and the major adviser. At the master's level, committees of three members are usually sufficient. The chairperson should be a member of the Graduate Faculty and when ever feasible, the student's adviser and thesis director. The representative from a department other than the major must be a member of the Graduate Faculty. It is already a member, faculty members in the university system may be appointed to serve ex officio (without vote) as consultants or to gain experiences as special representatives of the Dean for Graduate Studies and Research.

CENTER FOR URBAN EDUCATION

The Center for Urban Education is a practical, problem-oriented off-campus laboratory which is not housed in any of the individual departments or colleges but reports to the Vice-Chancellor for Academic Affairs. The Center has an advisory council consisting of several deans and public citizens. The Center focuses upon problems of low-income areas (both urban and rural) but does not offer separate graduate degree programs. However, there will be provided appropriate opportunities for graduate students from several disciplines (e.g., Sociology, Psychology, Urban Studies, Business Administration, Home Economics, Social Work, Counseling, Educational Administration) to participate in the Center's programs, which are part of their regular graduate programs. Here, they may have opportunity to interact on an interdisciplinary basis. This type of university outreach into the low-income and poverty areas can be productive for the community and for students as well as faculty from all of the units of the University.

POLICY ON PLAGIARISM

The prevention of, and the imposition of sanctions upon those who resort to, plagiarism is necessary in any university that espouses the ideals embodied in the concept of academic freedom. Plagiarism is the appropriation of the work (be it ideas or words) of another without crediting the source, a particularly reprehensible in a community dedicated to the pursuit and advancement of knowledge.

Plagiarism by Faculty

The investigation of allegations of plagiarism by a faculty member at any major administrative unit shall be the responsibility of the Academic Freedom and Tenure Committee.

Plagiarism by Students

The investigation of allegations of plagiarism by a student or appeals thereof, at any major administrative unit shall be carried out under the appropriate faculty-student appeals committee at that campus.

POLICY ON ETHICAL CONDUCT

It should be understood that academic performance is not the only criterion for graduation. Students are expected to maintain the highest standards of ethical conduct pertaining to academic performance. Students are expected to make use of the Academic Freedom and Tenure Committee, in the event of plagiarism, examination, or appeals, to ensure that their rights, as defined by the University, are upheld.

SUMMARY OF PROCEDURE FOR GRADUATE STUDENTS

1. File official transcripts of all undergraduate and graduate credit and an application for admission with the Director of Admissions, First Floor East, Embassy Building.

2. Contact an advisor within the department to which you are applying for admission.

3. Submit departmental admission requirements.

4. Arrange to take the appropriate entrance examinations for your department. These will normally be the GRE, GMAT or MAT. If you have already taken the appropriate tests, present your scores to the Graduate College.

5. You will be notified by mail of your acceptance or non-acceptance into the Graduate College after your transcripts have been evaluated.
5. Arrange your class schedule with your adviser and have him/her sign your registration card. You will be asked to pay a $10.00 matriculation fee the first time you enroll for graduate study.

6. Apply for candidacy as early as possible. This can be done as soon as you have satisfactorily completed six hours of graduate work at UNO, have your transcripts showing a Bachelor’s degree and the GRE (or other specified test) scores on file in the Graduate Office, and have completed all undergraduate prerequisites and other departmental requirements. See your adviser for details. NOTE: Filing for candidacy is not the same as filing for a degree. It is necessary for you to make application for the degree in the semester in which you intend to graduate.

7. If you are a transfer student, you must consult with your department’s Graduate Program Committee to determine which courses you will be allowed to transfer. These courses must be included on your application for candidacy.

8. You will be informed by mail of your admission to candidacy.

9. At the time of your final enrollment, arrange with your supervisory committee a time for your comprehensive examinations, if these have not already been taken. Also, inform the Graduate Office of your intent to graduate so that your graduate record may be compiled and reviewed.

10. If your approved program includes a thesis, obtain a copy of “Instructions for the Preparation of Theses” from the Graduate Office and prepare your thesis in accordance with Graduate College guidelines and departmental style requirements. Make arrangements with your department for oral examinations. The completed, fully corrected and approved thesis must be deposited in the Graduate Office together with the proper number of copies of it at least twelve working days prior to the conferral of the degree. The thesis binding fee must be paid in the Registrar’s Office prior to the depositing of the thesis in the Graduate Office.

11. Make application for the conferral of the degree in the Registrar’s Office. The deadlines for filing are usually well before graduation, so be aware of these dates. The deadlines will be stated in the current issue of the Graduate Catalog as well as posted during registration and in the Registrar’s Office. If you apply for graduation and do not complete all of the requirements for the degree in time to graduate, you must reapply for graduation the following semester. No additional fee is charged to reactivate your application.

12. Pay all fees and fines and satisfy all obligations to the University at least twelve working days before conferral of the degree.

13. Order a cap, gown and hood from the Bookstore.
Degree Requirements

DEGREE REQUIREMENTS

BIOTECHNOLOGY

To enter a degree program with a major in biotechnology, the student must present approximately 24 semester hours of credit in the biological sciences including general botany, general zoology, and genetics, plus adequate preparation in the supporting sciences of inorganic and organic chemistry, general physics, and mathematics. Students with inadequate backgrounds may be admitted provisionally. GRE (advanced and aptitude) is required and the scores should be submitted as soon as possible.

Masters of Science

 ordinarily every student will become a candidate for this degree. Only under appropriate circumstances will a student be allowed to become a candidate for the Master of Science degree.

To complete the Master of Science degree with a major in biotechnology, the candidate must present 30 hours of graduate work in biotechnology. A minimum of 2 hours in a departmental seminar (812 V) and at least 6 hours of appropriate courses, to be determined by the student and the faculty committee. Graduate students are expected to attend the departmental seminar even when not registered for it.

The candidate must pass a final oral examination and present his/her thesis results at an open meeting of the faculty and students.

Masters of Public Administration — Environmental Option

The Biology Department cooperates with the Department of Public Administration in offering this degree. The degree is administered through Public Administration and is described under that department.

BUSINESS ADMINISTRATION

The Master of Business Administration Degree

The MBA is a professional graduate degree designed to provide an intense educational experience for students who desire to assume positions of increasing responsibility in business. Courses in the program give the students an understanding of the principles of management, marketing and finance and a proficiency in the use of accounting, computers, statistics, and quantitative methods as tools for analysis of business activities. Also, the student is made aware of the societal, economic, legal and political factors which influence business decisions and develops an appreciation of the social responsibilities of business.

Emphasis is placed on decision making and problem solving.

Admission Standards

The minimum standards for students in the MBA program are:

Junior-Junior GPA ≥ 2.00 + GMAT ≥ 1020

The GMAT score must not be below 400 in computing the above total.

Students who do not meet the above criteria or who attain a GMAT score below 400 may be considered for admission on an exception basis only. Students are admitted on a provisional status until all foundation courses have been completed.

GMAT scores must be received prior to the student’s admission to the MBA program.

Degree Requirements

Foundation courses: A student must have completed basic courses in the following areas either as an undergraduate student or in the early part of graduate program:

- College Algebra
- Economics
- Accounting
- Computers in Business
- Quantitative Methods
- Production/Operations Management
- Business Law
- Corporation Finance

- Math 131
- Econ 201 and Econ 202 or Econ 800
- Acc 201 and Acc 202 or BA 811
- CS 231
- DS 212
- MGT 350 Statistics
- LG&S 323
- BF 325


### Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 800V</td>
<td>Quantitative Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 810V</td>
<td>Business and Society</td>
<td>3</td>
</tr>
<tr>
<td>BA 815V</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 820V</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or BA 821V</td>
<td>Accounting Theory (if applicable)</td>
<td>3</td>
</tr>
<tr>
<td>BA 831V</td>
<td>Human Behavior in Organization</td>
<td>3</td>
</tr>
<tr>
<td>BA 840V</td>
<td>Policy, Planning, and Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

### Option Courses

**Option #1 — Business Administration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 830V</td>
<td>Environment of Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 840V</td>
<td>Marketing Policies</td>
<td>3</td>
</tr>
<tr>
<td>BA 850V</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 860V</td>
<td>Business Conditions Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option #2 — Marketing**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 840V</td>
<td>Marketing Policies</td>
<td>3</td>
</tr>
<tr>
<td>BA 841V</td>
<td>Promotional Policies</td>
<td>3</td>
</tr>
<tr>
<td>BA 843V</td>
<td>Seminar in Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option #3 — Decision Sciences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 850V</td>
<td>Research Methods in Economics and Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 860V</td>
<td>Business Conditions Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or BA 880V</td>
<td>Applied Quantitative Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option #4 — Real Estate**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 860</td>
<td>Real Estate and Land Use</td>
<td>3</td>
</tr>
<tr>
<td>BA 861</td>
<td>Financial Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 862</td>
<td>Current Problems in Real Estate and Land Use Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 880V</td>
<td>Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

**Option #5 — Accounting**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 821V</td>
<td>Accounting Theory (if not taken as a core course)</td>
<td>3</td>
</tr>
<tr>
<td>BA 823V</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 825V</td>
<td>Seminar in Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option #6 — Economics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 800V</td>
<td>Business Conditions Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BA 810V</td>
<td>Economic Security</td>
<td>3</td>
</tr>
<tr>
<td>BA 815V</td>
<td>Seminar in Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 820V</td>
<td>Seminar in Micro Theory</td>
<td>3</td>
</tr>
<tr>
<td>BA 825V</td>
<td>Seminar in Macro Theory</td>
<td>3</td>
</tr>
<tr>
<td>BA 830V</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>BA 840V</td>
<td>Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 845V</td>
<td>Seminar in Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Econ 850V</td>
<td>Seminar in International Economics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 855V</td>
<td>Seminar in Urban Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option #7 — Management**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 830V</td>
<td>The Environment of Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 833V</td>
<td>Seminar in Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 837V</td>
<td>Personnel Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

### Electives

- Students may be taken in an area outside the College of Business Administration, subject to the program or study.
- A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BA 880V must be successfully completed with a grade of A or B in the student’s last nine hours of the degree program.

### Graduation Requirements

- A minimum of 21 semester hours must be completed in courses designated as business administration (BA). Also, at least 30 hours must be at the "M" level of graduate study.
- The six hours of electives must be in one or more areas different than the area of concentration and may be taken in an area outside the College of Business Administration, subject to advance approval by the Director of Graduate Studies.
- A thesis is required in one option (Real Estate) and may be elected in others. No comprehensive examinations are required. Instead, the integrative course BA 880V must be successfully completed with a grade of A or B in the student’s last nine hours of the degree program.

### Master of Science in Civil Engineering

**Master of Science**

This is a professional graduate degree designed to provide a broad educational background for students who wish to gain greater responsibility and assume positions of greater responsibility in the field of Civil Engineering.

Courses in the program give students a better understanding of the basic principles and methodology used in the design of civil engineering projects. Emphasis is placed on Systems Analysis, Decision Making, and Problem Solving.
The degree program is offered by the faculty of the merged departments of Civil Engineering at Master's Degree will be as stated in the Graduate Studies Bulletin, University of Nebraska-Lincoln. Upon admission by the Graduate College, UN-L, student records will be maintained on the campus at which the major portion of the graduate courses will be taken. Normally the faculty advisor will also be on that campus.

Graduate Committee, The Civil Engineering Department has a Graduate Committee of six faculty, selected from the Omaha and Lincoln campuses, appointed by the Department Chairperson and approved by the Graduate College, UN-L. The Graduate Committee has general supervision over the work of the candidates for the Master's degree. The committee may prescribe such tests as it deems necessary in order to determine whether an applicant is adequately prepared for study. Major work for the Master's degree will be selected from advanced or graduate courses having some relation to the major group. Supporting courses will be selected from advanced or graduate courses having some relation to the major group.

COMMUNICATION

Master of Arts

In or to be admitted without deficiencies to graduate study in Communication, the applicant must present at least 15 undergraduate semester hours of appropriate courses in communication arts and sciences, including advanced (upper division) work in the area of graduate concentration. Applicants who have more than 9 semester hours of deficiencies will be advised prior to applying for any type of admission.

All students who major in Communication are required to complete the 12 semester hours of core courses prescribed by the Graduate Committee. These core courses provide a basic, intensive and broad coverage of communication as a field of advanced study, including foundations of both mass communication, including both of mass communication, and the requirements of the Master's degree program. Communication 801V, 847V, 857V, and a theory of research seminar or recent graduate study. A major in Communication may be selected by the student's committee and may include provisions for a minor or area studies. Each plan of study must be designed to reflect the student's major emphasis and minor or area studies, judged by a faculty committee.

COUNSELING AND GUIDANCE

Students may begin a program of studies in Counseling and Guidance at any one of three starting times during the course of the year. On-campus study is open to students in the program in the fall of the current academic year. Full-time study is encouraged, however, provision is made for a program of graduate study, either full or part-time, and must consult their advisor to determine this sequence. Failure to do so could result in a delayed completion date. Students must have a Master's degree in Counseling and Guidance with an area of specialization. Current specialty areas include Elementary School Counseling, Secondary School Counseling (both of which require current teaching certificates for endorsement as a Counselor in Nebraska or Iowa), Adolescent and College Counseling, Education and Counseling, College Student Personnel Services, and Counseling in Gerontology. Required courses are determined in relation to the student's previous coursework, experience and anticipated work setting. Most programs however would fit within one of the general outlines given below.

Students are admitted and permitted to continue programs in Counseling and Guidance on the basis of their potential for successful training and professional practice.

Major points where students are evaluated with respect to their suitability for continuation in the program are 1) initial admissions to Graduate Studies and Department, 2) admission to degree candidacy and 3) prior to taking the Counseling Practicum or Internship courses. Successful completion of a Counseling Practicum or Internship is a requirement for graduation.

The Counseling and Guidance Department has admissions requirements and procedures in addition to those applicable to Graduate Studies as a whole, and prospective students are strongly encouraged to consult with the Department regarding these admissions requirements and procedures. One such exception from the general Graduate Studies procedures are the different admissions deadlines for Counseling and Guidance.

The last date for filing admissions credentials for admission to the Department of Counseling and Guidance for the Spring Semester of 1980, Fall Semester of 1980, and November 30 for the Spring Semester of 1981. Students are admitted to the programs in Counseling and Guidance each year. If students wish to begin the program at a different time from those indicated, they should consult with the faculty in the department.

NOTE: Counseling degree students may obtain an elective option in Affective Humanization Programs as an area of concentration. The course of 3-15 credit hours of courses must be approved by Dr. Harry Johnson, Chairperson, Counseling and Guidance Guidance Guidance Department.

Master of Arts

Programs for the Master of Arts degree with a major in counseling and guidance will be determined by the major advisor upon request.

Master of Science

Specialization in Agency Counseling

I. Foundation Course .......................... 3 hours
   FED 801V, Introduction to Research
II. Selected Course Work .................. 6-15 hours
   These courses are selected in accordance with student's major area of interest.
III. Counseling and Guidance Courses .............. 22-28 hours
    COUN 890M, Principles of Guidance and Counseling
    COUN 839V, Introduction to Counseling Theories
    COUN 821V, Vocational and Educational Information
    COUN 823V, Appraisal Techniques in Counseling and Guidance
    COUN 824V, Counseling Practicum
    COUN 825V, Counseling and Career Information
    COUN 829V, Community Involvement for Urban Counselors
    Select additional courses in the department.

Specialization in School Counseling — Elementary Level* .......................... 6 hours
   I. Follow-up Course .......................... 3 hours
   FED 801V, Introduction to Research
   II. Selected Course Work .................. 6-15 hours
   These courses are selected from offerings of the Psychology, Sociology, Secondary Education and Special Education Department.
   III. Counseling and Guidance Courses .............. 22-28 hours
      COUN 890M, Principles of Guidance and Counseling
      COUN 839V, Introduction to Counseling Theories
      COUN 821V, Organization and Administration of Guidance Services
      COUN 823V, Vocational and Educational Information
      COUN 823V, Appraisal Techniques in Counseling and Guidance
      COUN 824V, Counseling Practicum
      COUN 825V, Counseling Practicum
      Select additional courses in the department.

Specialization in School Counseling — Elementary Level* .......................... 6 hours
   I. Foundation Course .......................... 3 hours
   FED 801V, Introduction to Research

*Elective certificate required for unsalaried endorsement to serve as elementary or secondary school counselor in Nebraska or Iowa.
PSYCH 815V. Advanced Educational Psychology 

II. Selected Cognate Courses 

These are most often selected from offerings of the Psychology, Sociology, Elementary Education and Special Education departments. 

III. Counseling and Guidance Courses 

The master of arts course of study is recommended for those seeking an advanced degree prior to obtaining the Ph.D. 

SUGGESTED ELECTIVE COURSES IN THE DEPARTMENT: 

36 UNIVERSITY OF NEBRASKA AT OMAHA

CRIMINAL JUSTICE 

Degree Programs 

The Criminal Justice Department offers the student a choice of either a Master of Science or a Master of Arts degree in Criminal Justice. Both degree programs emphasize criminal justice research, planning and administration. 

Admission Requirements for the Criminal Justice Graduate Program 

All candidates must have a minimum of 18 semester hours of Criminal Justice or related courses which represent the core undergraduate curriculum. In addition, all candidates must have completed a basic statistics course, a research methods course, and a minimum of 15 hours in the Social Science area at the undergraduate level. Those students lacking these requirements will be required to make up these deficiencies during the first year of graduate work. 

Master of Arts 

The Master of Arts degree is a 30 credit-hour program designed to emphasize research activity and independent inquiry, while simultaneously providing fundamental course work. This degree is especially recommended for those seeking an advanced degree prior to obtaining the Ph.D. 

To earn the Master of Arts degree in Criminal Justice, the student must satisfactorily complete the following course requirements: 

Required Core Courses 

- 801V. Criminal Justice Planning and Innovation 
- 802V. Seminar in the Administration of Justice 
- 812V. Criminal Justice Research Theory and Methodology 

Elective Courses 

(student selects three (3) courses with advisor's approval) 

Master of Science 

The Master of Science degree is a 36 credit-hour non-thesis program designed to emphasize research, planning, and administration, while simultaneously providing fundamental course work. This degree program offers the student a choice of either the standard Master of Science curriculum or a Master of Science with an option in Public Administration. The Public Administration option is especially recommended for administrators or future administrators within the Criminal Justice System. 

To earn the Master of Science Degree in Criminal Justice, the student must satisfactorily complete the following course work: 

Required Core Courses 

- 802V. Seminar in Criminal Law Enforcement Systems 
- 803V. Seminar in Criminal Administration 
- 804V. Seminar in Criminal Justice Theory and Methodology 
- 805V. Seminar in Criminal Justice Research Theory and Methodology 

Elective Courses 

(student selects four (4) courses with advisor's approval) 

- 844V. Criminal Justice Planning and Innovation 
- 846V. Seminar in Criminal Justice Theory and Methodology 
- 848V. Seminar in Criminal Justice Research Theory and Methodology 

Elective Courses 

(student selects four (4) courses with advisor's approval) 

- 811V. Special Problems in Criminal Justice 
- 814V. Independent Study 

Satisfactory completion of the comprehensive examination is also required. 

Master of Science 

Public Administration Option 

To earn the Master of Science Degree in Criminal Justice, Public Administration Option, the student must satisfactorily complete the following course requirements: 

Required Criminal Justice Core Courses 

- 801V. Criminal Justice Planning and Innovation 
- 802V. Seminar in Criminal Justice Theory and Methodology 
- 805V. Seminar in Criminal Justice Research Theory and Methodology 

Required Public Administration Core Courses 

- 844V. Seminar in Public Financial Management 

Elective Criminal Justice Courses 

(student selects four (4) courses with advisor's approval) 

- 811V. Special Problems in Criminal Justice 
- 814V. Independent Study 

Elective Public Administration Courses 

In consultation with an advisor the student selects one (1) course from the Public Administration electives. 

Satisfactory completion of the comprehensive examination or an alternative problem solving exercise.
ECONOMICS

Master of Arts

An applicant for admission to the program for the Master of Arts degree in economics must have the equivalent of 15 undergraduate semester hours in economics.

Degree Requirements: The course program must include a balanced coverage of the major areas in economics. At least 15 hours of the required 36 hours, including thesis, must be courses numbered at the 800-level or above. Students must also satisfactorily complete Economics 820, 823v, and 829v.

The course work under the Master of Arts program consists of 24 hours and 6 hours of thesis under course 899. Thesis.

Master of Science

An applicant for admission to the program for the Master of Science degree with a major in economics must have the equivalent of 15 undergraduate semester hours in economics.

Degree Requirements: The course program must include a balanced coverage of the major areas in economics. At least 36 hours of the required 36 hours must be approved at the 800-level or above. Students must also satisfactorily complete Economics 820, 823v, and 829v.

The course work under the Master of Science program consists of 36 hours of course work including at least 12 hours in V-level courses: plus a thesis (6 credit hours) based on a proposal approved by the student's committee and defended orally when completed before the committee.

Option I: Successful completion of 36 semester hours of course work including at least 12 hours in V-level courses; plus a final project (6 credit hours) in playwriting, directing, acting, scenic design, costume design, or lighting design which will be orally defended upon completion.

Option II: Successful completion of 24 semester hours of course work including at least 12 hours in V-level courses; plus a final project (6 credit hours) in playwriting, directing, acting, scenic design, costume design, or lighting design which will be orally defended upon completion.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

Master of Science

The Master of Science degree is designed for graduate students who are interested in exploring the contemporary issues confronting urban educational institutions. The range and depth of the inter-disciplinary course offerings in this program provide varied, challenging, and relevant experiences for both classroom teachers and community caregivers in allied professional fields.

Students in this thirty-six hour program will increase their competence and expertise in functioning as not only in the educational setting of the urban classroom, but also within the wider community milieu.

It is expected that students will be able to critically analyze the logic and structure of the educational institution, and the inter-relationship of education and other primary socializing agencies.

Many of the courses offered in the program are designed specifically to facilitate an analysis of the ethical, cultural, and social characteristics of the contemporary urban scene.

It is also expected that students will develop an awareness of, and the ability to handle the learning problems of urban youth. The program emphasizes a cultural awareness and appreciation of the variety of life-styles within the urban setting, and specific skills to function effectively as an educator. In addition, attention will be focused on a critique of existing programs and the development of new strategies for change and the improvement of education.

Entrance Requirements

Students interested in the degree program must initially:

1) Hold a Bachelor's degree from an accredited institution.
2) Submit completed application forms for graduate studies together with the names of three references and a transcript of all previous college work.
3) Complete an interview (where possible) with the Urban Education Committee.
4) Complete the Graduate Record Examination - verbal and quantitative. A low score may require supplemental work.
5) Complete practicum and/or field study in the immediate locale, another American metropolis, or overseas.

Graduation Requirements

For a student to graduate from the program with the Master's Degree in Urban Education he/she must fulfill the following requirements:

1) Complete minimum of thirty-six graduate hours. (Eighteen required, six to nine from the Primary Electives and a minimum of nine from the Secondary Electives List.)
2) Assist and/or participate in departmental colloquium activities.
3) Complete satisfactorily both the written and oral sections of the comprehensive examinations.
4) Complete practicum and/or field study in the immediate locale, another American metropolitan area, or overseas.
Non-Degree-Seeking Students

Students who are not planning to pursue the program leading to a Master’s degree are allowed to take courses for which they meet the prerequisites. Their graduate advisor will confer with them when planning for such courses.

ENGLISH

Master of Arts

To be admitted to graduate study in English, a student should have completed at least eighteen credit hours in undergraduate English courses above the freshman level with an average grade of "B" or above.

All candidates for Master of Arts degrees with majors in English are required to take English 801Y (Introduction to Literary Research) within the first nine hours of graduate study, and to complete one of the following plans of study:

Plan A: Successful completion of 24 credit hours in course work, including at least 12 hours in 800V- or 900-level courses; plus a thesis (6 credit hours) on an approved topic written under the direction of a faculty committee.

Plan B: Successful completion of 36 credit hours in course work, including at least 18 hours in 800V- or 900-level courses; plus a written examination prepared and judged by a faculty committee.

The following English seminars in major periods vary in emphasis and may be repeated for credit:


NOTE: The English Department offers a Certificate in Teaching English as a Second Language.

1. Satisfactory completion of the following four courses:
   a. Eng. 858M, Introduction to Linguistics
   b. Eng. 878M, Structure of English
   d. Eng. 896Y, Studies in Linguistics (Teaching English as a Second Language)

2. For all students except those with a major or teaching field concentration in a foreign language, demonstration of oral and written competence in a second language as certified by the Department of Foreign Languages.

3. For students whose language of native nurture is not English, demonstration of oral and written mastery of English as certified by the Department of English.

The Certificate in Course, granted by the Board of Regents, is not a certificate to teach in the public schools of Nebraska or any other state. It is an academic credential only. Students who want certification to teach in the public schools must follow the procedures and courses of study prescribed by the College of Education. The requirements for certification to teach English as a second language in American public schools vary widely from state to state.

THE MASTER OF ARTS DEGREE

WITH A MAJOR IN GENERAL SCIENCE

This graduate degree is designed to provide a broad scientific background for students who wish to gain greater proficiency in the natural sciences. The program for the Master of Arts degree with a major in General Science will be directed by a Graduate Science Committee consisting of representatives (recommended by their respective graduate faculties and approved by the Dean for Graduate Studies and Research) of biology, chemistry, geology, physics, and geophysics. The Graduate Science Committee may prescribe such tests as it deems necessary in order to determine if an applicant is adequately prepared for graduate work. Each candidate will be assigned an instructor who will be responsible for the candidate’s curriculum and thesis in accordance with the policies established by the Graduate Science Committee and the Graduate Council. Prerequisites: An applicant for full admission to the graduate program must present a Bachelor’s degree. In addition, eight semester hours of credit must be presented in each of the four natural science areas.

Degree Requirements: The degree requires a minimum of thirty-six (36) semester hours for completion. Candidates must complete a minimum of thirty (30) semester hours of approved course work and, in addition, submit a thesis, credit for which will be allowed to a maximum of six (6) semester hours. Courses leading to the degree will be distributed across the natural science areas according to the needs of the student, with a maximum of twenty (20) semester hours (not including thesis) allowed in any one field. In addition, the student’s program will include at least one course in each of the four natural science areas. Any deficiency in the prerequisites must be made up but may not be counted as a part of the thirty-six (36) hour graduate requirements.

GEOGRAPHY AND GEOLOGY

The department offers the following degrees with a major in geography: the Master of Arts degree and the Master of Science degree.

The Master of Arts with a major in geography is intended for those preparing themselves in areas other than physical geography; whereas, the Master of Science with a major in geography is intended for students desiring to do major work in physical geography. Each degree has two options:

1. Option I: An applicant for admission to either the Master of Arts or the Master of Science degree program in geography must present a minimum of 24 semester hours in geography courses numbered 800M or 800V-900, and a minimum of 12 semester hours in approved courses numbered 800M or 800V-900. Each applicant must have the approval of the major adviser. This option requires a minimum of 36 semester hours in geography courses numbered 800M or 800V-900, and selected cognate courses in other departments. No thesis is required for this option. Students who have taken the degree under Option II and later elect to continue in graduate work for the Ph.D., will not be encouraged by the department to continue unless evidence of ability to carry on independent research is presented.

Admission Requirements

An applicant for admission to either the Master of Arts or the Master of Science degree program in geography must present a minimum of 15 undergraduate semester hours of geogra­phy including Physical (106 or 107 and 117) and Cartography (353) or the equivalent. Those students not meeting minimum course requirements must remove any deficiency during the first year of graduate study.

Individual programs of study will be designed for incoming graduate students on the basis of GRE scores and personal interview. This should enable each student and his adviser to construct a program oriented to individual needs and interests.

A maximum of 35 hours (106 or 107 or 117) and 35 hours (353) or the equivalent for a combined total of 30 hours.

For the Master of Science degree program, the following courses are required for admission to either the Master of Arts or the Master of Science degree program in geography:

a. Eng. 801V, Introduction to Geographic Studies
b. Eng. 802V, Geographical Concepts, Quantitative Methods, 800Y- and Field Geography, 800V.
In addition, all students will be required to attend General Seminar. The remainder of the program shall consist of courses selected by the student with the advice and consent of an advising committee.

GERONTOLOGY

Certificate in Gerontology

While UNO does not offer a graduate degree in Gerontology, a Specialization in Gerontology is available. The Board of Regents has established a Certificate in Gerontology that will be awarded upon completion of requirements for the Specialization. The Specialization may serve as an academic minor for students majoring in many of the social and behavioral sciences at the graduate level.

Requirements for the Certificate in Gerontology:

1. Students wishing to work toward the Certificate in Gerontology must make application and be accepted into the Gerontology Program. Those working toward a graduate degree may also be accepted into the degree program of their major department.
2. Coursework requirements consist of a minimum of 15 semester hours in Gerontology. The only required course is GERO 811M—Applied Social Gerontology (3 semester hours); the other 12 hours (usually four graduate level courses) in Gerontology are selected by the student in consultation with the Academic Coordinator of the Gerontology Program. In this manner, individualized programs of study are developed for each student to best meet his or her career goals and interests.
3. A one half-time, full-time practicum or its equivalent is also required. The goal of this is to give each student practical one-on-one experience with the aged in a service program or agency delivering services to the elderly. Practicum students must register for GERO 844M—Practicum and participate in periodic seminars with the Practicum Supervisor of the Gerontology Program.

Example of a program of study

Each individual program of study will be tailored to the needs and interests of each student. Below is an example of a program of study that might look like:

GERO 811M—Applied Social Gerontology (3 semester hours) — required of all students at the graduate level.
GERO 860M—Specialization in Gerontology (3 semester hours)
GERO 866M—Aging and Human Behavior (3 semester hours)
GERO 867M—Programs and Services for the Aging (3 semester hours)
HEALTH, PHYSICAL EDUCATION, AND RECREATION

The School of Health, Physical Education, and Recreation offers graduate courses in the areas of health education (HED), recreation education (RED), and physical education (PE). At present, the Master of Arts and the Master of Science degrees are offered with a major in physical education.

**Master of Science**

Major in Physical Education

To be admitted to this degree program, students must possess an undergraduate major or minor in physical education or related field. Students pursuing the Master of Science Degree with a major in physical education will select course work from the four areas indicated below. Minimum and maximum hours that must be included from each area are indicated where such limits are applicable. The student in consultation with the major adviser will determine the exact courses leading to the degree.

### AREA

<table>
<thead>
<tr>
<th>I. PE Core</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 822V Problems and Issues in Physical Education</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>PE 823V Curriculum in Physical Education</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>PE 840V Structural Analysis of Motor Skills</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

| II. Research | 3 |
| Research Methods, Statistical Methods | 3 |
| Professional Specialization | 3 |
| Improvement of Instruction | 3 |
| Teaching Seminars, Workshops, Independent Research, Special Studies | 3 |

| III. Related Academic Courses | 18 |

**Master of Arts**

Major in Physical Education

To be admitted to this degree program, students must possess an undergraduate major or minor in physical education or related field. Students pursuing the Master of Arts Degree with a major in physical education will select course work from the five areas indicated below. Minimum and maximum hours that must be included from each area are indicated where such limits are applicable. The student in consultation with the major adviser will determine the exact courses leading to the degree.

### AREA

<table>
<thead>
<tr>
<th>I. PE Core</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 822V Problems and Issues in Physical Education</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>PE 823V Curriculum in Physical Education</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>PE 840V Motor Learning and Performance</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>PE 841V Motor Learning and Performance</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

| II. Research | 3 |
| Research Methods, Statistical Methods | 3 |
| Professional Specialization | 3 |
| Improvement of Instruction | 3 |
| Teaching Seminars, Workshops, Independent Research, Special Studies | 3 |

| IV. Related Academic Courses | 18 |
| V. Thesis | 6 |

**HISTORY**

**Master of Arts**

Admission to M.A. Program

1. To be admitted unconditionally a student must present 21 (twenty-one) hours of undergraduate preparation in History with at least a 3.00 average in those hours. Further, to be admitted unconditionally, the student must have achieved a grade average of 2.75 in his overall undergraduate work and must follow all other admission requirements for Graduate Studies.

2. Students may be admitted provisionally who have less than 21 (twenty-one) hours of undergraduate preparation, or who have not achieved a 2.75 overall grade average. They shall be removed from provisional status when they become eligible for and have achieved candidacy.

**M.A. Program with Thesis (Option I)**

The program for the Master of Arts degree (Option I) with a major in History will usually be arranged to conform to one of the following general patterns:

1a. 24 semester hours of approved graduate courses in History, 9 of which must be in courses open only for graduate registration, i.e., seminars. The other 15 hours may be either lecture courses or courses numbered 801V and no more than 6 hours of credit may be taken by a student under this number. A balance of 15 and 9 must be maintained between major and minor areas of study. Seminar study should be divided two and one, depending upon the student's area of concentration.

1b. 15 semester hours of approved graduate courses in History including 9 hours of seminars, plus 9 approved hours of graduate course work in a related field, such 9 hours constituting a graduate minor. The minor department must be consulted to determine the student's eligibility to do graduate work in that department.

In either program of study, a thesis, not to exceed 6 semester hours in independent study credit, is required under the direction of the major adviser.

**M.A. Program without Thesis (Option II)**

1. Under this plan the student may earn a Master of Arts degree by completing successfully thirty-six hours of course work, at least half of which must be earned in courses open only to graduate students (V series). No more than nine (9) hours of credit may be taken by a student under courses numbered 801V.

2. In addition to showing broad competency in history, the candidate must give proof of research ability and proficiency in writing. This normally will be done in research seminars and independent research projects.

3. While there is no requirement for a minor in some field other than history, the student may elect to take a minor in some other field, such minor to consist of no less than six graduate hours and no more than nine graduate hours. Permission to take a six hour minor may be gained by the candidate's permission, and the approval of the Graduate Program Committee, subject to the condition that the minor area be balanced with American and non-American fields in history.

4. Whether or not the student elects a minor in an outside field, he shall maintain a reasonable balance between American and non-American fields in history.

5. When the student initially enrolls, he shall, in conference with the chairperson of the Graduate Program Committee of the Department of History, choose his adviser. The chairperson of the History Graduate Program Committee shall, after consultation with the student and his adviser, recommend an advisory committee to the Dean for Graduate Studies and Research for official appointment. The advisory committee shall be composed of members of the Faculty who are aptly qualified to assist the student's program and academic interests. The chairperson of the advisory committee (and the representative of the minor field, if such field is selected) must be members of the Graduate Faculty.

**PROCEDURE FOR COMPREHENSIVE EXAMINATION FOR NON-THESIS MASTER OF ARTS CANDIDATES IN HISTORY**

1. Early in the semester the candidate experts to the degree, he/she must make arrangements with his/her sponsor to take the comprehensive written examination.

2. The examination in history will consist of two parts, one devoted to the major area, and one to the minor area of study.

   a. If the major area of study is European/English history, the examination will be comprehensive, taking into consideration the student's program of study. The non-European/English portion of the examination will be over the specific courses taken for the minor. The major area examination will be of six hours duration (two three-hour segments), and the minor area examination will be of three hours duration.

   b. If the major area of study is American history, the examination will be comprehensive, divided into two three-hour segments, with the breaking point for the two segments normally following the breaking point of the American history survey course (History 111-112) course. The minor portion of the examination will be over the specific minor courses taken, and will be of three hours duration.

   c. If the candidate offers an outside minor, the minor department and adviser will be responsible for the minor examination.
Candidates for the Master of Science degree in Food and Nutrition must hold a Bachelor of Science degree from an accredited college and have completed undergraduate preparation equivalent to the following courses: 23 hours in Biology, 10 hours in Chemistry, 18 hours in Mathematics, and 24 hours in Home Economics. The student must satisfactorily complete thirty semester hours, twenty-four of course work and six of thesis research (when applicable), in addition to the following requirements.

Admission Requirements: Admission to the graduate program is based on evidence of mathematical ability. An applicant is usually expected to have completed fifteen acceptable credits in undergraduate mathematics, including at least one year of calculus, and to have an overall average of B or better during the last two undergraduate years. In some cases where the above criteria is not met, a provisional admission may be granted provided the applicant is willing to take some preliminary course work that will not apply towards the degree.

Master of Science

To obtain the Master of Science degree, the student must:

1. Earn a total of 30 acceptable credits, at least 12 of which must be in mathematics.
2. Choose mathematics courses which carry a number of 800M or above and at least 18 credit hours which carry a number of 800V or above.
3. Include mathematics courses 823M-824M, 827M and one of the following sequences: 811M-812M, 830M-831M, 853M-854M.
4. Maintain a "B" average in all of his work with no grade lower than a "C," and no more than two grades of "C."
thesis supervision. Students must maintain a "B" (3.0) average in their course work, receiving no more than one "C". The thesis is expected to be a mature piece of scholarship. From the four subfields of Political Theory, American Politics, Comparative Politics, and International Politics, the student will select an emphasis in two. Twelve hours of course work will be taken in one area and six hours in the other. The remaining course work is elective and may include cognate courses in related disciplines. Of the twenty-six to thirty-six hours of course work twelve hours must be at the "V" level, including 800V (Research Method). There will be comprehensive examinations in the two emphasized fields and an oral defense of the thesis.

Master of Science

Degree Requirements: This advanced non-thesis program is specifically designed to enhance career goals in the public service, education and business fields. Thirty-six hours of course work are required with a minimum of eighteen hours at the "V" level, including 800V (Research Method). The student will select courses from the Political Science Department courses in related disciplines. Students must maintain a "B" (3.0) average in their course work, receiving no more than one "C". Degree candidates must pass comprehensive examinations covering their areas of study. The aim is to tailor each student's program to fit his or her personal or career interests.

PSYCHOLOGY

Admission Requirements: A minimum of 15 undergraduate semester hours of psychology courses including basic statistics and an upper level laboratory course emphasizing data collection, statistical analysis, and report writing; Graduate Record Examination scores on the Verbal, Quantitative, and Advanced Psychology sections are required. However, applicants who believe that such letters would provide information that is important and can be clearly communicated in other documents are encouraged to have one or more letters submitted in their behalf. Three letters of recommendation are required of those applicants who are seeking a departmental graduate assistantship or are applying to a post-masters program. Exceptions to these admission requirements can be made on an individual basis.

Master of Arts

To complete the M.A. degree with a major in psychology, the student must present 30 hours of graduate course work in psychology, or 28 hours in psychology plus 9 hours in a related minor field. Up to 3 hours of thesis credit are substantially completed. The student must choose one course from each of the following four groups. These courses must be completed within the first 16 hours of graduate work.

I. Psychology 504 (Practicum in Learning)
II. Psychology 522 (Practicum in Development)
III. Psychology 521 (Practicum in Perception)
IV. Psychology 512 (Practicum in Physical Psychology)
V. Psychology 511 (Practicum in Analysis of Variance)
VI. Psychology 591 (Practicum in Factor Analysis)
VII. Psychology 503 (Practicum in Advanced Social Psychology)
VIII. Psychology 544 (Practicum in Social Psychology)

The student must earn grade of at least B in the four required practica. If a C is earned, or an average of over C is recorded, in one practicum the group may be taken. Should two such grades (C and/or B) be recorded, the student will be dropped from the degree program. Under special circumstances (e.g., a W necessitated by illness, a unique academic record, etc.) the skeletal Departmental Graduate Committee will entertain a petition for exemption from this rule.

The remainder of the student's course work is elective, but must be planned in conference with the academic advisor, in order to meet the individual needs and interests. Psychology 800V is a non-credit practicum course that may be taken only once. The practicum is a beginning practitioner with the profession of psychology and is required of all graduate students in psychology. The student may emphasize one of the following areas: organizational, physiological, general experimental, social, personality, developmental, educational, and industrial/organizational psychology. Final determination of a student's practicum sequence always resides with the advisor and the psychology department. To qualify for the graduate college requirements, a student must take at least half of the work in courses which are open only to graduate students.

Master of Science

To complete the M.S. with a major in industrial/organizational psychology or the M.S. with a major in educational psychology, the student must present 36 hours of graduate course work in psychology, or 24 hours in psychology plus 12 hours in a related minor field. The M.S. degree has the same practicum requirement as the M.A., and all rules concerning practicum courses are the same for all master's degree programs, as well as the requirement of Psychology 800V. Additional required course work may be designated by the department. This will ordinarily include up to 3 hours of practicum credit. Final determination of a student's plan of study always resides with the advisor and the department. To meet the graduate studies requirements a student must take at least half of the work in courses which are open only to graduate students.

Specialist in Education

The E.D. degree requires completion of the requirements for the Master's degree, as well as, the E.D. degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology.

Doctor of Philosophy

Through a cooperative program with the University of Nebraska-Lincoln, programs are offered in Omaha leading to the Ph.D. in industrial/organizational, experimental child, and in developmental psychology. The doctorate degree may be considered for admission to a doctoral program if they have been admitted but are not yet completed or are doing excellent work toward their Masters degree which includes a demonstration of research skills. There is no generally specified language or research skill requirement, but each student is expected to demonstrate proficiency in languages, research skills, or knowledge in collateral research areas appropriate for the student's research interests as determined by his Supervisory Committee. Specific requirements and procedures for the Ph.D. degree are printed in the Graduate Studies Bulletin of the University of Nebraska-Lincoln.

Summary of Procedure for the Doctor of Philosophy Degree

This summary of procedure should be studied carefully in connection with the Graduate College calendar.

1. Admission to the UNL Graduate College by the evaluation of official transcripts presented in person or by mail prior to registration.
2. Registration after consultation with advisors in major and minor departments.
3. Appointment to the UNL Graduate Office of a supervisory committee on the recommendation of the departmental or area Graduate Committee.
4. Submission to the UNL Graduate Office of a program approved by the supervisory committee setting forth the complete plan of study for the degree prior to completion of more than half of the minimum term.
5. Satisfactory completion of foreign language or research tool requirements set forth in the approved program and passing of comprehensive examinations in major and minor or related fields when the student is substantially completed.
6. Submission to the UNL Graduate Office of a report from the supervisory committee on the specific research and dissertation progress to date with the dissertation.
7. Admission to candidacy for the Ph.D. degree by filing a report in the Graduate Office of the passing of the comprehensive examinations and the completion of language and research tool requirements (at least seven months before the final oral examination). The term of candidacy is limited to three years.
8. Filing of an application for the degree at the Registration and Records Office, Information Window, 208 Administration Building at UNL. This application is effective during the current term only. It is necessary to have the appropriate time if requirements for graduation are not completed during a later term.
9. Presentation of the dissertation and the abstract to the members of the reading committee in sufficient time for review and approval, which must be obtained at least three weeks prior to the final examination.
10. Presentation to the Graduate Office of two copies of the approved dissertation, three copies of the approved abstract, and the application for the final oral examination at least three weeks prior to the date of the defense examination.
11. Passing of any required final oral examination.
12. Deposition of two copies of the dissertation in proper form, one copy of the abstract, and a signed agreement for microfilming the dissertation and publication of the abstract, with the UNL Department of Research and Records. Delivery of the certificate of deposit, signed by members of the student's supervisory committee and the Departmental Graduate Committee, to the UNL Controller, to the Graduate Office. In addition, one bound copy of the dissertation is to be deposited with the student's major department.

Programs in the Area of School Psychology

Application

Application for admission to the programs in school psychology must be filed with the School Psychology Committee of the Psychology Department. The application should include official transcripts of all previous college work, scores for the Graduate Record Examination, the Psychological Examination of Graduate Study, and an abstract. Students who have not been admitted to Graduate Study must apply to the Director of Admissions. Applications must be completed by April 1 for the following Fall semester. A second application period is possible, should openings exist. These applications must be completed by November 1 for the following spring. Before a final decision concerning admission the applicant must be interviewed by at least two members of the School Psy-
Students may take work leading to a recommendation for certification as a school psychologist. A minimum of thirty semester hours of work beyond the Master’s level is required for the recommendation. Filing of an acceptable plan of study with the Graduate Office will be required of all students. Additional work beyond the course requirements for the Master of Science in Educational Psychology is required. Students must have prior graduate work in psychology and must have completed psychology and education courses. In addition, the final decision on the acceptability of a program rests with the Psychology Committee. Students must complete the program under the supervision of the Psychology Committee in order to facilitate individual program planning. The student’s advisor should be a member of the Psychology Committee.

The Ed.S. degree in school psychology requires completion of sixty-six graduate hours including those taken for the Masters degree. The requirements for this degree are the same as for those leading to certification as a school psychologist with one addition. The degree candidate must write and defend a thesis which deals with research or supervised experience in the area of school psychology. The student must consult with the Psychology Committee before starting the thesis project.

1. Required Courses in Psychological Methods
   - Psychology 831M (431) Psychological and Educational Testing
   - Psychology 800V The Profession of Psychology
   - Psychology 853V Individual Tests I
   - Psychology 854V Individual Tests II
   - Psychology 851V Advanced Educational Psychology
   - Psychology 832V Psychology of Exceptional Children
   - Psychology 979 Topical Seminar in School Psychology (3-9 hours)

   One of the following three courses:
   - Psychology 855M Introduction to Therapeutic Techniques with Children
   - Psychology 855V Introduction to Therapeutic Techniques with Children
   - Psychology 859M (459) Psychology of Exceptional Children

2. Required Professional Education Courses
   - COUN 824V Counseling Practices
   - EDAD 835V Foundations of Educational Administration and Supervision
   - EDAD 843V Introduction to Curriculum Planning-Elementary
   - EDAD 850V Emerging School Curriculum

3. Required Supportive Work
   - One or three courses in basic psychology (outside the student’s area of specialization) and one or three courses in Special Education, Counseling and Guidance, or other professional education fields other than those specified as requirements. The student must also have course work in both learning and developmental psychology.

4. Practicum in School Psychology
   - A minimum of 200 clock hours are required for certification in Nebraska. The general rule is that 50 clock hours is given 1 credit hour. The student must have a minimum of 4 credit hours of practicum including testing and intervention experience. At least half of the practicum is to be approved by the School Psychology Committee prior to initiation.

   Psychological Assistant students who are pursuing work toward endorsement in Nebraska as a Psychological Assistant must simultaneously complete requirements for the M.A. or M.S. Those seeking such endorsement must be enrolled in the Psychology Department at the same time they make application for endorsement.

   In general, students must have been accepted in this program before enrollment in Psychology 853V or 855V. Application should be made to the Psychology Department and the school psychology program administrator.

   The degree candidate must pass a comprehensive written final examination.
Courses Required of all Options
P.A. 840M, Public Budgeting or 840V Seminar in Public Financial Management if credit has been earned in CRP 840/840M
P.A. 841M, Public Personnel Management or 846V Seminar in Public Personnel Administration if credit has been earned in CRP 841/841M
P.A. 800V, Seminar in Research Methods in Political Science and Public Administration
P.A. 842V, Seminar: Introduction to Public Organizations
P.A. 844V, Seminar in Organization Development in Public Agencies
P.A. 803U-804U, Internship

General Public Administration (15 hours from the following selected list in consultation with Adviser. It is possible under exceptional circumstances to substitute other courses with approval of Adviser.)
P.S. 800M, The Legislative Process
P.S. 805M, The Judicial Process
P.A. 843M, Municipal Administration
P.A. 810V, Seminar in Public Administration
Econ 850M, State and Local Finance
P.S. 815V, Seminar in Public Law
P.A. 830V, Seminar in Public Policy
P.A. 846V, Seminar in Public Personnel Management
P.A. 848V, Seminar in Public Financial Management
P.A. 860V, Seminar in Administrative Law
P.A. 881V, Urban Seminar in Metropolitan Planning and Development
Econ 887V, Seminar in Regional Economics
P.A. 892V, Readings in Public Administration
P.A. 894V, Research in Public Administration

Gerontology Option (15 hours to include the following plus one more course at the 800V level selected in consultation with Adviser to fit the students particular needs.)
Ger 851M, Applied Social Gerontology
Ger 854M, Health Aspects of Aging
Ger 855M, Gerontology Psychology
Ger 893M, Special Studies in Gerontology

Local Government Option (15 hours from the following selected list in consultation with Adviser. It is possible under exceptional circumstances to substitute other courses with approval of Adviser.)
Geog 823M, Urban Geography
P.A. 843M, Municipal Administration
Econ 850M, State and Local Finance
P.A. 810V, Seminar in Public Administration
P.A. 830V, Seminar in Public Policy
P.A. 860V, Seminar in Administrative Law
P.A. 881V, Seminar in Metropolitan Planning and Development
Econ 887V, Seminar in Regional Economics
P.A. 892V, Readings in Public Administration
P.A. 894V, Research in Public Administration

The Planning Option (15 hours to include CRP 811 and CRP 828 plus nine hours of coursework from the following list selected in consultation with Adviser.)
The option stresses the planning process and related skills and techniques. Students selecting this option should plan on taking one or more courses on the Lincoln campus in order to complete the program expeditiously.
Required courses:
CRP 811, Urbanism and Planning in the U.S.
CRP 828, Planning Administration and Implementation
Elective courses:
CRP 813, Planning Process and Theory
CRP 815/815S, Housing Renewal and Development
CRP 822, Research Methods for Planning
CRP 823, Planning and the Natural Environment
CRP 915, Planning Within the Intergovernmental Context
CRP 971, Planning with Minority and Low Income Groups
CRP 924, Human Resource Planning

Public Works-Civil Engineering Option (15 hours from the following selected list in consultation with Adviser.)
The objective of the program is to develop a broad based Civil Engineering plan of study for public administration students who have little or no formal engineering training. A tentative list of Civil Engineering courses requiring no prerequisites or engineering background is presented below. The student will be encouraged to select courses from at least three of the four fields of interest in order to encourage breadth in his educational experience. Other courses may be available to the student with instructor’s consent or if sufficient student demand warrants additional offerings.
Transportation
CE 468, Traffic Engineering
CE 468A, Transportation Geometrics
CE 485, Urban Transportation Planning
CE 486, Transportation Planning and Economics

Sanitary
CE 800, Environmental Quality and Control — Land, Air, and Water
CE 820, Environmental Pollution Control

Water Resources
CE 814, Water Resources Planning
CE 815, Case Studies in Water Resources

Design and Construction
CE 465, Pavement Analysis and Design
CE 842, Construction Management

Social Work or Social Welfare Option (15 hours from the following selected list in consultation with Adviser.)
SW 800, Human Behavior and the Social Environment
SW 805, Social Policy and Services
SW 830, Task Groups in Macro Practice
SW 852, Social Work Administration
SW 854, Social Welfare Policy
SW 856, Supervision in Social Work
SW 858, Advanced Policy Analysis and Implementation
SW 860, Social Work Practice in Mental Health
SW 866, Social Work Practice in Child Welfare
SW 870, Alcohol Abuse: Comprehensive Treatment Program
SW 890, Special Studies in Social Welfare

The Environmental Option (15 hours to include at least one of the courses listed below, the remaining part of the program to be custom designed for the student at the discretion of the Graduate Program Committee of the Biology Department.) Students selecting this option must be approved for entrance into the graduate program by both the Department of Public Administration and the Department of Biology.
Biology 812V, Environmental Biology
Biology 817M, Environmental Physiology
Biology 815V, Plant Ecology

The Law Enforcement Option (15 hours to include CJ 801V, Seminar in Criminal Justice Planning and Administration; CJ 802V, Seminar in the Administration of Justice; CJ 812V, Seminar in Criminal Justice Research and Methodology, plus six hours from the following list selected in consultation with Adviser.)
CJ 801V, Comparative Law Enforcement Systems
CJ 804V, Seminar in Community Services and Treatment
CJ 807, Seminar in Criminal Justice
CJ 807V, Theoretical Criminology
CJ 808V, Seminar in the Processes of the Criminal Justice System
CJ 809, Seminar in Delinquency Prevention, Control and Correction
CJ 811V, Special Problems in Criminal Justice
CJ 814V, Independent Study

SECONDARY/POST-SECONDARY EDUCATION

Major in Secondary Education
Programs in Secondary Education are developed on an individual basis by the student and the adviser. They are designed to extend academic background the instructional skills of secondary school teachers.

To pursue degree work in the Department, students must hold a valid secondary teaching certificate. During the first semester of enrollment students must take the Graduate Record Examination including the Advanced Test in Education. To be admitted to candidacy the combined score on the Verbal, Quantitative, and Advanced GRE Tests must total at least 1200. Students are expected to file their Application for Candidacy before they complete more than 18 hours of graduate work and no more than 18 hours of completed course work may be included in the proposed program of graduate studies.
Master of Science (with Minor)

Students seeking the Master of Science Degree with a major in Secondary Education and a minor in some academic or professional related area are required to select course work from the five areas indicated below. Minimum and maximum hours that must be included from each area are indicated where such limits are applicable. Course names or types included in each area are indicated where appropriate.

<table>
<thead>
<tr>
<th>AREA</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. SED Core</td>
<td>Min: 9 Max: 36</td>
</tr>
<tr>
<td>SED 825V — Seminar in Secondary Education</td>
<td>6</td>
</tr>
<tr>
<td>Plus one of the following:</td>
<td></td>
</tr>
<tr>
<td>SED 830V — Problem in Post-Secondary/HIGHER EDUCATION</td>
<td></td>
</tr>
<tr>
<td>SED 830V — Seminar in Cooperating Teachers</td>
<td></td>
</tr>
<tr>
<td>SED 830V — Emerging School Curriculum</td>
<td></td>
</tr>
<tr>
<td>SED 831V — Analysis of Teacher Behavior</td>
<td></td>
</tr>
<tr>
<td>SED 845V — Simulation Gaming Laboratory for Secondary Teachers</td>
<td></td>
</tr>
<tr>
<td>SED 930V — Seminar in Applications of Non-Verbal Communication Theory</td>
<td></td>
</tr>
<tr>
<td>II. Research</td>
<td>3</td>
</tr>
<tr>
<td>Methods: Research Methods, Statistical Methods, Tests &amp; Measurements</td>
<td></td>
</tr>
<tr>
<td>III. Professional Specialization</td>
<td>3</td>
</tr>
<tr>
<td>Professional Specialization</td>
<td></td>
</tr>
<tr>
<td>IV. Related Professional Courses</td>
<td>3</td>
</tr>
<tr>
<td>Related Professional Courses</td>
<td></td>
</tr>
<tr>
<td>V. Related Academic Courses</td>
<td>6</td>
</tr>
<tr>
<td>Related Academic Courses</td>
<td></td>
</tr>
<tr>
<td>Total: 36 hours</td>
<td></td>
</tr>
</tbody>
</table>

* A minimum of 12 hours of SED courses must be included in each flux of Study. Minimums or Maximums are determined by advisement.

Master of Science (without Minor)

Students seeking the Master of Science Degree with a minor in Secondary Education and no minor are required to select course work from the five areas indicated below. Minimum and maximum hours that must be included from each area are indicated where such limits are applicable. Course names or types included in each area are indicated where appropriate.

<table>
<thead>
<tr>
<th>AREA</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. SED Core</td>
<td>Min: 9 Max: 21</td>
</tr>
<tr>
<td>SED 825V — Seminar in Secondary Education</td>
<td>6</td>
</tr>
<tr>
<td>Plus two of the following:</td>
<td></td>
</tr>
<tr>
<td>SED 830V — Problems in Post-Secondary/HIGHER EDUCATION</td>
<td></td>
</tr>
<tr>
<td>SED 830V — Seminar in Cooperating Teachers</td>
<td></td>
</tr>
<tr>
<td>SED 830V — Emerging School Curriculum</td>
<td></td>
</tr>
<tr>
<td>SED 831V — Analysis of Teacher Behavior</td>
<td></td>
</tr>
<tr>
<td>SED 845V — Simulation Gaming Laboratory for Secondary Teachers</td>
<td></td>
</tr>
<tr>
<td>SED 930V — Seminar in Applications of Non-Verbal Communication Theory</td>
<td></td>
</tr>
<tr>
<td>II. Research</td>
<td>3</td>
</tr>
<tr>
<td>Research Methods: Research Methods, Statistical Methods, Tests &amp; Measurements</td>
<td></td>
</tr>
<tr>
<td>III. Professional Specialization</td>
<td>3</td>
</tr>
<tr>
<td>Professional Specialization</td>
<td></td>
</tr>
<tr>
<td>IV. Related Professional Courses</td>
<td>12</td>
</tr>
<tr>
<td>Related Professional Courses</td>
<td></td>
</tr>
<tr>
<td>V. Related Academic Courses</td>
<td>6</td>
</tr>
<tr>
<td>Related Academic Courses</td>
<td></td>
</tr>
<tr>
<td>Total: 36 hours</td>
<td></td>
</tr>
</tbody>
</table>

Seminars, Independent Research, Independent Study

Social Work

The Profession of Social Work

Social work is one of the "helping professions" concerned with the quality of human life. Specifically, the social worker is concerned with man's ability to function meaningfully and effectively in his environment (i.e., his family, friends, associates, and the community at large). The social worker brings systematized knowledge to bear on his dealings with people individually, in small groups, or in the larger societies. The social worker works within a framework of values and ethics as he strives to help people, families, and groups within the society toward self fulfillment.

Requirements for the Degree of Master of Social Work

1. A minimum of one year in residence.
2. There are two programs leading to the Master of Social Work degree. The Advanced Standing Program, for students with an approved Bachelor's degree in social work, requires 42 credit hours of graduate study in social work, which may be completed in a minimum of two semesters and a full summer. The Two Year Program for students with a Bachelor's degree not in social work, requires the same 42 credit hours plus up to 22 graduate credit hours of social work courses.
foundation courses. Specific foundation course requirements are determined on the basis of each student's previous course work and/or tested knowledge.

3. Details about research, practicum, and other course requirements may be obtained from the Graduate School of Social Work.

The type and credit value of each of the courses is indicated in the course descriptions below. Courses offered by the School are subject to change.

NOTE: Social Work students may transfer up to twelve semester credits from another university toward the 42-credit M.S.W. program; each course must be approved by the Dean for Graduate Studies and Research as being an appropriate substitute for a requirement or elective.

**SOCIOLOGY**

Applicants for admission to the graduate program in sociology must present a minimum of 15 undergraduate semester hours in sociology including a course in statistics and research methods. Those students lacking either will be required to make up this deficiency during their first year of graduate study.

Examinations: Both the M.A. and M.S. (see below) degree programs with majors in sociology require the incoming student to complete an examination covering basic concepts and theorists of the field. The examination is used in counseling the student in his degree program. In addition the student must demonstrate proficiency in sociology through successful completion of four comprehensive examinations.

Two of these comprehensives—Social Theory, and Methodology and Statistics—are required of all graduate students. The two remaining examinations are selected by the student, in consultation with his graduate adviser, from a list available through the Sociology Office. The examinations are given a minimum of twice annually, and other times as required. Detailed explanations of graduate requirements should be secured through the Sociology Office.

The M.A. degree should be sought by students preparing for college-level teaching and continued academic work; the M.S. degree as preparation for field or action application of sociology.

**Master of Arts**

The student is expected to complete Sociology 801V and a minimum of 21 additional graduate semester hours, including at least nine semester hours of 800-level work. A thesis is required.

**Master of Science with a Major in Applied Sociology**

A student contemplating this degree is expected to complete Sociology 801V and a minimum of 27 additional graduate semester hours, at least nine of which are from the 800-level selection. In addition, the student must complete satisfactorily six semester-hour equivalents of a supervised work experience related to his academic area of concentration, and write an acceptable report on the experience. Detailed requirements for the M.S. degree with a major in applied sociology should be secured through consultation with the Sociology Office.

**Colloquia**

Each graduate student in Sociology is required to attend, without credit, the departmental colloquia as scheduled.

**SPECIAL EDUCATION**

**Graduate Requirements—Student Teaching**

Students needing SPED 872, SPED 873, and/or SPED 850, SPED 851, SPED 852, must submit a completed application form for student teaching/practicum signed by their advisor before March 15 for a fall or winter placement and by October 15 for a spring placement.

Under no circumstances can a student take both SPED 872 and SPED 873 or SPED 850, 851 and 852 during the same semester.

**Master of Arts: Speech Pathology**

The Master of Arts degree with a major in speech pathology involves these requirements:

1. Submit two letters of recommendation from people who know your undergraduate work well.
2. Pass an examination to determine adequate personal voice and speech proficiency and adequate hearing acuity for speech (Administered by the Speech and Hearing Clinic of the University).
3. Have successfully completed a minimum of twenty-four semester hours of work preparatory to admission to the major. These hours are to include the following courses or their equivalents:
   - SPED 140, Introduction to Communication Disorders
   - SPED 413, Speech Reading and Auditory Training
   - SPED 437, Hearing Disorders
   - SPED 438, Speech Science I: Speech Mechanisms

4. For those students who wish to work toward special state certification in the schools, advisement is required; this must be sought early since additional coursework is required (this does not apply to those already holding state certificates in elementary or secondary teaching or a special service certificate in another field).

5. Twenty-four semester hours of course work and practicum. These hours may be taken from the following:
   1. Required Courses:
      - FED 801V Introduction to Research
      - SPED 850 Supervised Clinical Practicum in Speech Pathology (graduate)
      - SPED 852V Advanced Clinical Practicum in Speech Pathology (externship)
      - SPED 865V Diagnostic Methods in Communicative Disorders
      - SPED 868V Advanced Audiology
      - SPED 870V Seminar in Special Education
      - SPED 899V, Thesis
   2. Elective Courses:
      - Students may choose any of the courses in the area numbered 800V or above.
   3. Theses:
      - Students must present a thesis representing six semester hours of work and which is deemed satisfactory to the members of the committee, following oral examination.

**Master of Arts: Mental Retardation**

The Master of Arts degree with a major in mental retardation is a program primarily designed for persons certified or have near certification in special education. It involves a concentrated course of study designed to improve and advance competencies in the area of mental retardation and to prepare students to improve and advance competencies in the area of mental retardation and to improve the skills of special educators. The wide range of approaches to students associated with children who are mentally retarded.

Detailed requirements include:

1. Applicants to the M.A. degree program with a major in Mental Retardation must be approved by the Dean for Graduate Studies and Research and the major advisor.
2. Applicants must hold a teaching certificate in special education or be within 15 credit hours of certification.
3. Students must undergo course work which will lead to:
   a. a major of 24 hours in mental retardation.
   b. a thesis not to exceed six semester hours.
   c. a major of 15 semester hours in mental retardation.
   d. a minor of nine semester hours in a related field of interest.
   e. a thesis not to exceed six semester hours.
4. To be admitted as a candidate for the M.A. degree in Mental Retardation the student must have successfully completed twelve hours of course work and passed a comprehensive examination covering these first twelve hours.
5. Each candidate will submit a thesis proposal to his director for approval. A thesis will represent the six semester hours in independent study under the direction of the major advisor.
6. Subject to review of the applicants transcripts and related experiences with retarded children, required courses may be selected from the following:
   a. Required Courses:
      - FED 801V Introduction to Research
      - SPED 850V Seminar in Special Education
      - SPED 872V Practicum in Special Education
      - SPED 899V Thesis
   b. Elective courses may be chosen from any of the 800V level courses within the major and minor area of study.
Master of Science: Reading

Research methods and testing skills are essential for the candidate to fulfill the requirements for reading specialization. A major in reading is required for the M.S. degree and must be eligible for teacher certification at the undergraduate level. Upon successful completion of the program, the student will be recommended for K-12 endorsement in reading in Nebraska.

I. Core Professional Courses
- Introduction to Reading: 3 cr.
- Language and the Reading Process: 3 cr.
- Reading Across the Curriculum: 3 cr.
- Reading and Learning Disabilities: 3 cr.
- Reading and Research: 3 cr.
- Teaching Reading: 3 cr.

II. Related Professional Courses
- Educational Psychology: 3 cr.
- Child Development: 3 cr.
- Exceptional Children: 3 cr.
- Career Education: 3 cr.
- Educational Research: 3 cr.

III. Related Coursework
- Elementary Language Arts: 3 cr.
- Secondary Language Arts: 3 cr.
- Educational Technology: 3 cr.
- Library Science: 3 cr.
- Psychometrics: 3 cr.

Master of Science: Speech Pathology

The Master of Science degree in speech pathology is designed to prepare students for positions in speech pathology. The program is structured to provide a strong foundation in theoretical and practical aspects of speech pathology. Students will be eligible for teacher certification at the undergraduate level. Upon successful completion of the program, the student will be recommended for the Master of Science degree in speech pathology.

I. Core Professional Courses
- Introduction to Speech Pathology: 3 cr.
- Speech Pathology I: Speech Mechanisms: 3 cr.
- Speech Pathology II: Clinical Linguistics: 3 cr.
- Speech Pathology III: Clinical Assessment: 3 cr.
- Speech Pathology IV: Clinical Management: 3 cr.

II. Related Professional Courses
- Educational Psychology: 3 cr.
- Child Development: 3 cr.
- Exceptional Children: 3 cr.
- Career Education: 3 cr.
- Educational Research: 3 cr.

III. Related Coursework
- Elementary Language Arts: 3 cr.
- Secondary Language Arts: 3 cr.
- Educational Technology: 3 cr.
- Library Science: 3 cr.
- Psychometrics: 3 cr.

Comprehensive Exit Examination in Communication is required for student teaching.

Master of Science: Teaching the Mentally Retarded

The Master of Science degree in teaching the mentally retarded is designed to prepare students for positions in special education, particularly in the area of mental retardation. The program is structured to provide a strong foundation in theoretical and practical aspects of teaching the mentally retarded. Students will be eligible for teacher certification at the undergraduate level. Upon successful completion of the program, the student will be recommended for the Master of Science degree in teaching the mentally retarded.

I. Core Professional Courses
- Introduction to Mental Retardation: 3 cr.
- Psychological Assessment: 3 cr.
- Educational Placement: 3 cr.
- Special Education Law: 3 cr.
- Special Education Policy: 3 cr.

II. Electives
- Special Education Research: 3 cr.
- Special Education Technology: 3 cr.
- Special Education Management: 3 cr.
- Special Education Leadership: 3 cr.

Comprehensive Exit Examination in Communication is required for student teaching.
The student will be comprehensively evaluated after each of the first two steps and during Step III, with a major and endorsement determination; and the Comprehensive Evaluation. The evaluation may take the form of a written exam or oral exam or both. Students must attain at least an 80 percent proficiency level before entering Step II. Students not attaining an 80 percent proficiency level may: (a) be evaluated a second time: and/or (b) be recommended to take additional elective courses, or (c) be dropped from the program.

2. STEP II (16 hours) — Upon successful completion of Step I, students will enter Step II which is the candidacy level. Step II combines both theory and practice in preparing the student in the analysis of children's learning disabilities and the application submitted to the Graduate School for admission to the program. During this step, students must submit to the Graduate School a completed Application for Candidacy Form. Courses for Step II include the following:

- **Required:**
  - SPED 800V-Special Projects (3)
  - SPED 807V-Diagnostic and Corrective Instruction (3)
  - SPED 819V-Introduction to Curriculum Planning—Elementary (3)
  - SPED 830V-Emerging School Curriculum Construction (3)
  - SPED 859V-Social and Personality Development (3)

- **Elective:**
  - SPED 873V-Basic Observation and Student Teaching in Special Education (3)
  - SPED 874V-Diagnostic and Remedial Instruction in Reading (3)
  - SPED 877V—Curriculum Planning—Elementary (3)
  - SPED 861M—Curriculum Planning for the Disabled (3)
  - SPED 862M—Diagnostic and Remedial Instruction in Reading (3)
  - SPED 865V-Diagnostic and Remedial Techniques for Early Childhood (3)
  - SPED 866M—Psychological and Educational Testing (3)
  - SPED 875V-Diagnostic and Corrective Instruction (3)
  - SPED 876V—Curriculum Planning—Elementary (3)
  - SPED 876M—Mathematics—Elementary (3)
  - SPED 876V—Curriculum Planning—Elementary (3)
  - SPED 877V—Curriculum Planning—Elementary (3)

Other secondary methods courses (See the Graduate and Undergraduate catalog for selection).

**Other special methods courses:***

- **SPED 800V-Special Projects (3)**
- **SPED 873V—Advanced Observation and Student Teaching in Special Education (3)**
- **SPED 877V—Basic Observation and Student Teaching in Special Education (3)**

**Comprehensive Evaluation:** — At the end of Step II and prior to entering Step III, each student will be evaluated comprehensively of Step II experiences. This evaluation may take the form of a written exam or oral exam or both. Students must attain at least an 80 percent proficiency level before entering Step II. Students not attaining an 80 percent proficiency level may: (a) be evaluated a second time; and/or (b) be recommended to take additional elective courses, or (c) be dropped from the program.

3. Step III (9 hours) — This is the final step in the student's program. Except for SPED 870 Seminar in Special Education, the student must demonstrate and be evaluated in those skills and competencies developed for practical use. The following courses are required:

- **SPED 870 Seminar in Special Education (3)**
- **SPED 872 Advanced Observation and Student Teaching in Special Education (3)**
- **SPED 873 Basic Observation and Student Teaching in Special Education (3)**

**Master of Science: Teaching the Emotionally Disturbed**

**Entrance Requirements:**

1. The student must have completed the following courses:
   - a. Child Development — 3 hours
   - b. Learning Theory — 3 hours
   - c. Curriculum Development — 3 hours
   - d. Student Teaching (or equivalent) — 3 hours

2. The student must demonstrate a "B" average for the last two years of coursework. The student may be granted provisional admission with less than a "B" average (but not less than 2.54) (See Graduate and Undergraduate catalog). The student must sustain a "B" average for graduate work.

3. The Miller Analogies Test must be taken prior to evaluation of admission application. The student must score 35 for provisional admission and 45 for unconditional admission.

4. The student will demonstrate his/her ability to articulate by writing a position paper in terms of previous work or teaching experience.

5. An informal interview with the advisor.
62 UNIVERSITY OF NEBRASKA AT OMAHA

6. Student must hold a Bachelor's degree with a teacher's certification in one or more teaching areas.
7. Student must have completed two years of successful teaching before endorsement will be granted.
8. Students must fulfill all other entrance requirements as required by the Graduate College of the University of Nebraska at Omaha.

Program Requirements

1. Thirty-six (36) hours must be completed for the M.S. in Special Education with a major in Emotionally Disturbed and endorsement as a teacher of the Emotionally Disturbed, K-12.
2. The student will be required to pass a 2-hour comprehensive competency examination at the end of each step. This exam will be scheduled once a term.
3. Courses
   Step I — 12 hours
   Required
   FED 801, Introduction to Research — 3 hours
   SPED 868, Emotional/Social Development of Children and Youth — 3 hours
   SPED 849, Learning Disabilities — 3 hours
   Electives
   SPED 806, Interdisciplinary Approaches to Developmental Disabilities — 3 hours
   PSY 844, Abnormal Psychology — 3 hours
   PSY 845, Personality Theories — 3 hours
   PSY 859, Psychology of Exceptional Children — 3 hours
   PSY 851, Advanced Educational Psychology — 3 hours
   Comprehensive Examination
   Step II — 12 hours
   Required
   SPED 895, Diagnosis of Learning Disabilities — 3 hours
   SPED 872, Basic Observation and Student Teaching in Special Education — 3 hours
   SPED 881, Classroom Techniques of Behavior Control — 3 hours
   Electives
   SPED 896, Advanced Diagnosis of Learning Disabilities — 3 hours
   SPED 813, Diagnosis and Remedial Instruction in Reading — 3 hours
   SPED 875, Childhood Language Disorders — 3 hours
   PSY 831, Psychological and Educational Testing — 3 hours
   PSY 863, Techniques of Programmed Instruction — 3 hours
   PSY 856, Learning in Children — 3 hours
   PSY 857, Behavior Modification — 3 hours
   Comprehensive Examination
   Step III — 12 hours
   Required
   SPED 871, Parent/Professional Relationships — 3 hours
   NPI 852, Group Dynamics — 2 hours
   SPED 873, Advanced Observation and Participation in Special Education — 3 hours
   SPED 870, Seminar in Special Education — 3 hours
   SPED 892, Special Projects — 1 hour
   Comprehensive Examination.

URBAN STUDIES

Master of Science With a Major in Urban Studies
This is a professional graduate degree which is designed: (1) to prepare students for human service careers in an urban setting; (2) for research or teaching in this field; (3) for those already involved in urban programs and are seeking additional professional training.

Qualified urbanists are being sought by a wide range of employers. Private corporations as well as public agencies are seeking employees who have a broad range of technical skills and an understanding of the problems of contemporary urban society.

The general prerequisite for admission to the Urban Studies Graduate Program is a Bachelor of Arts or Bachelor of Science degree.
For a student to be admitted unconditionally to the M.S. program he/she must have an undergraduate grade point average of at least 3.00 on a 4.00 system. In addition, if the student's undergraduate preparation in the social sciences is insufficient, additional preliminary work may be prescribed which he must complete before he is accorded unconditional admission. These additional courses do not carry graduate credit, but other courses for graduate credit may be taken simultaneously.

Degree Requirements

Thirty-six semester hours of course work are required. A core of six required courses shall be completed, plus nine credit hours must be taken from one of three areas of concentration. The required courses include Urban Studies 803V, 804V, 805V, 882V, a course in research methods; and one of the following: History 864M, Geography 812M, or Community and Regional Planning 811M. Courses applicable to the area of concentration may include, but are not necessarily restricted to, Political Science 892M, 843M, 880V, Public Administration 840V, 842V, 844V, 846V, 848V, Geography 881V, Psychology 991; Sociology 810M, 811M, 822V, 827V, Community and Regional Planning 811M, 813V. A maximum of nine hours of optional credit may be selected from Economics 885V, 886V, 887V, 888V, History 843M, 881M; Geography 881V, 812M; or many of the courses listed above.

Eighteen hours of the course work must be at the 800V level.
A comprehensive final examination is required, although a thesis is not required.
NON DEGREE AREAS

Art
Graduate Art courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Chemistry
Graduate Chemistry courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Curriculum and Instruction
This area includes those offerings which have or could have a broad (K-12) multi-grade level application.
Offerings in this area and having the Curriculum and Instruction prefix (CI) are meant to serve students within the education profession by broadening their skill levels, making available merged talents of collegiate faculty and functioning within different or multi-level educational settings.

Foreign Languages
Graduate Foreign Languages courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

Gerontology
The Gerontology Program does not offer a degree. Graduate courses are offered to fulfill requirements for a minor field or as selected courses on a plan of study. Therefore, the courses offered are not concentrated in one particular area, but are offered in a variety of areas to afford the student the opportunity of specializing in Gerontology within his major field of study or as a non-degree student.

Persons admitted to the Gerontology Program may earn the Certificate in Gerontology upon completion of at least fifteen semester hours of coursework in gerontology plus an approved practicum. The Certificate in Gerontology program can serve as a cognate area for graduate candidates in many of the human service and behavioral science degree programs.

Music
Graduate Music courses are offered to fulfill requirements for professional development or as cognate or selected courses on a plan of study.

Physics
Graduate Physics courses are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.

School of Engineering Technology
Graduate courses in the School of Engineering Technology are offered to fulfill requirements for a minor field or as cognate or selected courses on a plan of study.
**Course Descriptions**

**Art**

833M Advanced Sculpture (3) Advanced work in area of student's choice with facilities for oxyacetylene welding, arc welding and wood working. Prereq: Art 331 and permission of instructor.

841M Advanced Painting (3) Instruction in oil painting and related media permits each student the time and environment to work and develop individually. Strong emphasis on knowledge of contemporary art. Prereq: Art 341 and permission of the instructor.

851M Advanced Techniques in Printmaking (3) Intaglio, lithography, collagraph, and the embossed print, stressing color and technical proficiency in the various media. Prereq: 351 and permission of instructor.

461/861M Advanced Ceramics (3) Advanced work on the potter's wheel, glaze composition, loading and firing of a high-fire kiln. Prereq: Art 361 and permission of the instructor.

831V Graduate Sculpture (3) Advanced problems in sculptural media. Prereq: Art 431 and permission.

841V Graduate Painting (3) More complex problems in the oil medium and related materials. Prereq: Permission and 12 credit hours of painting.

851V Graduate Printmaking (3) Advanced problems in printmaking in either intaglio or lithography techniques. Prereq: Art 451 and permission.

**Biology**

823J Microtechnique (3) A course in the techniques of fixation, dehydration, staining, cleaning and mounting biological material in the manufacture of microscope slides. Prereq: Two years of Biological Sciences.

834J Ecology (4) Study of the interrelationships between organisms and their biotic and abiotic environment, including population biology, community dynamics, biotic interactions, and evolution. Prereq: Biology 145 and 175. Graduate standing.

855J Morphology of Plants (5) An evolutionary survey of the major plant groups, including consideration of the morphology, ecology, life history, research use, and economic importance of each group. Prereq: Biology 165, Cea. Botany or permission of grad. grad. student.

353/853J Flora of The Great Plains (3) The classification, identification, and recognition of common vascular plants, including weeds, ornamentals, and indigenous plants, found in the great plains. Prereq: For 353, Biology 145, junior-senior. For 853, Biology 145.


373/873J Fauna of The Great Plains (3) A survey of the common animal groups found in the great plains, including their evolution, ecology, distribution and specific adaptations to the environment of the temperate North American prairies and grasslands. Prereq: For 373, Biology 145, junior-senior. For 873J, Biology 145.

374/874J Histology (4) Analysis of the microscopic anatomy of tissues and organs, their adaptations and functional significance. Prereq: For 374, Biology 175, and a course in vertebrate anatomy, or permission of the instructor. Junior-senior. For 874J, Biology 175, and a course in vertebrate anatomy, or permission of the instructor.

384/884J Embryology (4) A study of the principles of development in multicellular organisms, including current concepts derived from experimental embryology, with emphasis on vertebrate morphogenesis. Prereq: General zoology, Biology 175, and a course in vertebrate anatomy.

410/810M Plant Geography (3) A study of the worldwide distribution of major vegetation types and the ecological and physiological factors that determine their location. Special attention to North America is included. Prereq: Biology 102 and Biology 145, botany, or permission.

422/822M Problems in Ecosystem Management (2-3) Directed study in the application and evaluation of methods used for managing native and reestablished ecosystems; the principal study site is the 65 ha. Alwaye Prairie Preserve. Strong emphasis is placed on field work. Prereq: Graduate standing in Biology and permission of the instructor required.

414/814M Cellular Biology (4) This course is a comprehensive study of the structure and function of plant and animal cells. Prereq: For 414, Biology 145 and 175, organic chemistry; or permission of the instructor. Junior-senior. For 814M, Biology 145 and 175, organic chemistry; or permission of the instructor.

418/818M Limnology (4) A study of the physical, chemical, and biotic relationships that serve to establish and maintain plant and animal communities in a freshwater environment. Prereq: For 418, Biology 145, 175, and organic chemistry. Junior-senior. For 818M, Biology 145, 175, and organic chemistry.

423/823M Organic Evolution (3) A study of organic evolution in terms of evidence which support the theory and the mechanisms involved in the process. Prereq: For 423, Biology 214. Junior-senior. Lecture and discussion only. For 823M, Biology 214. Lecture and discussion only.

427/827M Animal Behavior (3) Behavior of diverse animals for the understanding of the relationships between nervous integration and the behavior manifested by the organism, as well as the evolution and adaptive significance of behavior.
68 UNIVERSITY OF NEBRASKA AT OMAHA

behavior as a functional unit. Prereq: For 427, Biology 175 and Psychology 101 or permission of the instructor. Junior-senior. For 876m, Biology 175, vertebrate anatomy, organic chemistry, and physiology, or permission of the instructor. For 876m, Biology 175, vertebrate anatomy, organic chemistry, and physiology, or permission of the instructor. Lecture only. (Same as Psychology 427/876m.)

823M Animal Behavior Laboratory (1) Laboratory study of animal behavior, with an emphasis on ethological effects. Classical laboratory experiments and independent studies will be conducted. Prereq: Biology/Psychology 427/876m or concurrent enrollment.

433/833M Bryology (3) A course in the identification, classification, ecology, and distribution of bryophytes. Prereq: For 433, Biology 344 or permission of the instructor. Junior-senior. For 833m, Biology 344 or permission of the instructor.

434/834M Ichthyology (4) A study of the biology of fish, including their evolution, anatomy, physiology, ecology, distribution, classification and identification with emphasis on North American freshwater fishes. Prereq: For 434, Biology 175, Junior-senior. For 834m, Biology 175, Junior-senior.


444/844M Plant Physiology (4) A study of plant processes and functions with emphasis on photosynthesis, growth, development, mineral nutrition, and water relations. Prereq: For 444, Biology 145, Junior-senior, or permission of the instructor. Junior-senior. For 844m, Biology 145, organic chemistry, or permission of the instructor.

464/864M General Bacteriology (4) The nature of microorganisms, their life processes, their biochemistry and economic significance. Prereq: For 464, Biology 145, organic chemistry, or permission of the instructor. Junior-senior. For 864m, Biology 145, organic chemistry, or permission of the instructor.

472/872M Experimental Endocrinology (2) Laboratory studies of the functions of the endocrine system, emphasizing experimental techniques and laboratory experience. Prereq: For 472, A course in general endocrinology, concurrent registration in Biology 473 or permission of the instructor. Junior-senior. For 872m, a course in endocrinology, concurrent registration in Biology 873m, or permission of the instructor.

473M Endocrinology (3) A survey of endocrine physiology stressing the regulatory role of hormones, the control of hormonal secretion, and mechanisms of hormone action. Prereq: For 473, organic chemistry, and physiology, or permission of the instructor. Junior-senior. For 873m, Senior-senior.

474/874M Animal Physiology (4) A comprehensive study of animal function emphasizing mechanisms of regulation and control. Prereq: For 474, Biology 175, vertebrate anatomy, organic chemistry, and physiology, or permission of the instructor. Lecture only. (Same as Physiology 474/874m.)

478/878M Vertebrate Zoology (4) A study of the general biology of the subphylum vertebratae including the morphology, anatomy, physiology and behavior of selected representative classes. Prereq: For 478, Biology 175, Junior-senior. For 878m, Biology 175.}

895M Animal Nutrition (4) The biology of minerals, including their evolution, functional morphology, physiology, ecology, zoogeography, behavior, classification, and identification with emphasis on North American groups. Field trips. Prereq: Biology 205 or 475 or permission from instructor. Graduate student.

895M Vertebrate Zoology (4) A survey of recent literature in one or more of the following areas of zoology: anatomy, morphology, physiology, behavior, ecology, reproduction, genetics and evolution. Prereq: Grad. Standing in biol. Biol 864m, or permission.

896 Current Topics in Zoology (2) Survey of the recent literature in one of the following areas of zoology: anatomy, morphology, physiology, behavior, ecology, reproduction, genetics and evolution. Prereq: Grad. Standing in biol. Biol 864m, or permission.

897M Vertebrate Zoology (2) A study of recent literature in one or more of the following areas of zoology: anatomy, morphology, physiology, behavior, ecology, reproduction, genetics and evolution. Prereq: Grad. Standing in biol. Biol 864m, or permission.

815V Advanced Bioclimatics (4) Advanced study of the general bioclimatics of birds, including their behavior, classification, and identification with emphasis on North American groups. Field trips. Prereq: For 815V, Biology 175, Junior-senior. For 815V, Biology 175, Juanior-senior.

816V Advanced Genetics (4) Advanced study of populations, communities, and ecosystems, including methods of analysis. May require two day field trips. Emphasis may be placed on plant or animal ecology. Prereq: Biology 334/834m ecology or permission.

819V Advanced Biology (4) Advanced study of recent literature in one or more of the following areas of zoology: anatomy, morphology, physiology, behavior, ecology, reproduction, genetics and evolution. Prereq: Grad. Standing and permission.

823V Environmental Biology (3) A study of the research methods used in the ecological, evolutionary biology, with emphasis on the areas of population dynamics, community interaction and ecosystems theory, and technique. Laboratory, and a written report. Prereq: Graduate standing in biology and field experience.

825V Advanced Ecology (4) Advanced study of populations, communities, and ecosystems, including methods of analysis. May require two day field trips. Emphasis may be placed on plant or animal ecology. Prereq: Biology 334/834m ecology or permission.

826V Experimental Genetics (3) Lecture and laboratory course in study of genetics with organism(s) such as drosophila spp, neurospora spp, e coli and blast phage. Prereq: Biology 214.

833V Advanced Parasitology (3) A study of principles and techniques in animal and plant patho­ systems. The course will focus on the species priciple and the expermental investiga­tion of the problem. Readings, discussions, lab­ oratory and a written report. Prereq: Junior-senior. For 833V, Biology 175, Junior-senior.

834V/884M Herpetology (4) A field-oriented course emphasizing the taxonomy and morphology of amphibians and reptiles. Prereq: For 848, Biology 175, Junior-senior.

837V Advanced Zoology (4) A field-oriented course stressing the taxonomic and morphological identification of plant and animal groups. Prereq: Biology 334/834m ecology or permission.

848V Environmental Science (4) A study of population, behavior, reproduction, community interaction and ecosystems. Prereq: Graduate standing in biology and permission of the instructor.

850V Environmental Biology (3) A study of the morphology and anatomy of organisms in relation to environmental stress and reproductive. Lecture, laboratory, selected readings, and a written report. Prereq: Graduate standing in biology and permission of the instructor.

851V Advanced Topics in General Physiology (3) Seminar in which each student presents current research in an area of special interest. Prereq: Graduate standing in biology. Graduate student in biology or permission of the instructor.

853V Advanced Environmental Biology (3) Seminar in which each student presents current research in an area of special interest. Prereq: Graduate standing in biology. Graduate student in biology or permission of the instructor.

859V Current Topics in General Microbiology (3) Seminar in which each student presents current research in an area of special interest. Prereq: Graduate standing in biology. Graduate student in biology or permission of the instructor.

860V Marine Biology (3) A study of marine biology, including methods of analysis. May require two day field trips. Emphasis may be placed on plant or animal ecology. Prereq: Biology 334/834m ecology or permission.

873V Advanced Bioclimatic (4) A study of the morphological and phylogenetic relationships of organisms. Prereq: Grad. Standing in biology and permission of the instructor.

875V Advanced Topics in General Physiology (3) Seminar in which each student presents current research in an area of special interest. Prereq: Graduate standing in biology. Graduate student in biology or permission of the instructor.

877V Advanced Environmental Biology (3) Seminar in which each student presents current research in an area of special interest. Prereq: Graduate standing in biology. Graduate student in biology or permission of the instructor.

879 Thesis (1-6) Independent research project written under the supervision of a faculty com­ mittee.
809V Business Conditions Analysis (3) This course is concerned with the statistical measurement and analysis of the general business situation, the determination of general business situations, and the adoption of business policies to change such situations. Emphasis is placed upon the practical application of the statistical techniques to the business situation, within the framework of the aggregate economy. Prereq: Econ 800J or 202.

811V Managerial Economics (3) Economic analysis of the business firm and its environment, with emphasis on market structure, price determinations, profit possibilities, and cost control. Additional consideration is given the theory of the firm, market structure, and demand and supply. Prereq: Econ 201 or Econ 202. Students with Acc 306 or equivalent should enroll in BA 812V.

812V Accounting Theory (3) The development of accounting, current accounting theory and practices, and their relationships to public and private interests. Prereq: BA 820V or Accounting 306 or equivalent.

813V Controllership (3) An analysis of the concept and basic techniques of the controllership function with emphasis on operations and long range planning. Prereq: BA 820V or BA 812V.

815V Business Administration (3) A study of problems areas which may be independent or interrelated in the public, private, and governmental accounting. Prereq: BA 820V or BA 812V.

817V The Environment of Management (3) A study of the factors affecting management processes and their historical foundations. The course deals with the intra- and inter-organizational processes of managerial planning, decision making, organizing, and controlling as well as the external environment's impact on these processes. A systems framework is used to examine the selected topics for which an identification of the individual functions. Prereq: BA 820V or 817V.

818V Human Behavior in Organization (3) An interdisciplinary study presenting the major trends currently identified by a variety of theories of organizational behavior as well as major concepts and ideas of organizational psychology. Prereq: Mkt 331 or BA 814J and written permission of the CBA Graduate Coordinator.

821V Personnel Administration (3) Extensive treatment of the relevant developing theories, and coverage of certain new methods, techniques, and practical administration and human resource management. Efforts are made to select and present material to illustrate the practical, applied aspects of research in this area of human resources management, as related to human problems in organizations. Prereq: BA 812V.

823V Seminar in Management (3) A student participation course emphasizing current issues of management and the skills, policies, and techniques of management. Prereq: BA 830V and BA 812V.

825V Marketing Policies (3) A marketing management approach to the determination of policies, principles, and problems in marketing. Prereq: Mkt 331 or BA 815J.

826V Promotional Policies (3) An analysis of the marketing techniques and their influence on consumer buying behavior in an environment of certainty and uncertainty. Prereq: Mkt 331 or BA 815J.

829V Seminar in Marketing (3) Exploration, study and critical analysis of contemporary marketing problems. The course provides experience in planning and controlling routine operations and making long-range planning decisions, and for external reporting to stockholders, governments, and interested parties. Prereq: BA 811J or Acc 202. Students with Acc 306 or equivalent should enroll in BA 812V.

831V Human Behavior in Organization (3) A study of public, private and governmental accounting. Prereq: BA 820V or Accounting 306 or equivalent.

832V Managerial Accounting (3) The development of the accounting function with emphasis on market structure, price determination, profit possibilities, and cost control. Additional consideration is given the theory of the firm, market structure, and demand and supply. Prereq: Econ 201 or Econ 202. Students with Acc 306 or equivalent should enroll in BA 812V.

833V Seminar in Management (3) A student participation course emphasizing current issues of management and the skills, policies, and techniques of management. Prereq: BA 830V and BA 812V.

834V Promotional Policies (3) An analysis of the marketing techniques and their influence on consumer buying behavior in an environment of certainty and uncertainty. Prereq: Mkt 331 or BA 815J.

835V Seminar in Marketing (3) Exploration, study and critical analysis of contemporary marketing problems. The course provides experience in planning and controlling routine operations and making long-range planning decisions, and for external reporting to stockholders, governments, and interested parties. Prereq: BA 811J or Acc 202. Students with Acc 306 or equivalent should enroll in BA 812V.

836V Security Analysis (3) A study in the technique of analysis of marketable securities. Statistical and financial ratio methods of analysis are examined as well as broader bases for appraisal of the values of securities. Prereq: BF 325 or BA 813J.

837V Seminar in Investment Management (3) An analysis of selected investments, their market, and application of formulation of policies for different types of investors. Prereq: BF 325 or BA 813J.

838V Banking and Financial Markets: Structure, Operations, and Policies, including the nature of the structure and functioning of financial institutions, the development of the modern financial system; proposals for structural and functional changes in the financial system. Prereq: BF 345 or BF 435.

839V Seminar in Finance (3) Selected topics in the areas of business finance. Prereq: BF 350.

840V Real Estate and Land Use Economics The course is designed to familiarize the student with the technical literature dealing with the development of advanced analytical tools of economic decision making in Real Estate and Land Use Economics. The tools are presented and developed which assist in providing a basis for an advanced, critical, and evaluating professionally the complex factors which determine real estate productivity, value, land and land use patterns. Prereq: Econ 301 and 202 or 800J.

841V Current Problems in Real Estate and Land Use Economics (3) A study of current problems in real estate markets affecting decision processes of economic land development and use and reuse of real property to provide a viable environ-
niques and their effect on land use, the environment and social and economic development. Economic, operational and control characteristics of public and private transportation modes. Prereq: For 360, junior standing or permission of the instructor. For 864m, graduate standing or permission of the instructor. Not available for graduate credit for engineering students.

400/800M Environmental Quality and Control - Land, Air, and Water (3) Applications of engineering, planning for the control and management of the physical environment (land, air and water) including land and water ecosystems, air and water pollution, and environmental planning. Prereq: For 400, senior standing. For 800m, 840m, graduate standing and permission of the instructor.

404/826M Environmental Pollution Control (3) An introduction to the engineering principles of control of air pollution, solid wastes, and noise and the bacteriologic examination of water and the physical environment including the study of relationships between the accounting and management aspects with respect to pollution. Effects of pollution on plants and animals in relation to the total environment. Interrelations of air, water, and land pollutants and techniques which are currently available are discussed. Prereq: For 426, junior standing in engineering or permission of the instructor. For 826m, graduate standing or permission of the instructor.

405/827M Application of Chemistry to Sanitary Engineering (3) Applications of chemical analysis and treatment of waste and wastewater. (Lecture, 2; lab 3.) Prereq: CE 226, 227, 229, 322.

409/828M Applications of Microbiology to Sanitary Engineering (3) Applications of microbiology and the bacteriologic examination of waste and water, and the bacteriologic examination of waste and wastewater. (Lecture, 2; lab 1.) Prereq: For 429, Civil Engineering 327. For 828m, graduate standing and Civil Engineering 327.


413M Foundation Engineering (3) Subsurface exploration, interpretation, selection of foundation systems; determination of allowable bearing pressures from laboratory and field data; foundation types and design. Analysis of slope stability and bearing capacity and settlement; design of deep foundations. Effects of settlement of overburden and soil and traffic driving analysis; control of ground water. Prereq: Graduate standing. Civil Engineering 327.

414/814M Structural Analysis II (3) Analysis of statically indeterminate structures, including continuous beams and frames. Numerical and classical methods of analysis, including an introduction to solutions by matrix methods. Effects of temperature and movements of supports. Influence lines. Relation of design to economics. Prereq: For 414, Civil Engineering 340. For 814m, graduate standing.

415/844M Steel Design I (2) An introductory course involving the application of the basic principles of mechanics of materials and the practical techniques of design of structural members in steel. Prereq: For 444, Civil Engineering 340 or permission of the instructor. For 844m, graduate standing.

445/845M Steel Design II (3) Computation of stress results in statically indeterminate structures including beams, and planar and three-dimensional frames and trusses using matrix formulations (Finite element method), advanced methods of jointing and link design. Prereq: permission of the instructor. For 445, Civil Engineering 441 and digital computer methods in engineering analysis. For 845m, Civil Engineering 841 and graduate standing.

446/846M Steel Design II (3) A continuation of Civil Engineering 444, but directed toward building structures. Steel and timber structural systems and the design of bridge structures. Prereq: For 446, Civil Engineering 841 and graduate standing or permission of the instructor.

447/847M Concrete II (3) The use of reinforced concrete design principles in special applications including footings and foundations, and the study of additional design concepts including deflections, prestressing and torsion. Prereq: For 447, Civil Engineering 441 and graduate standing or permission of the instructor.

448/848M Plastic Analysis I (3) Application of the basic principles of plastic analysis to frame structures; plastic collapse and plastic mechanism; upper and lower bound theorems, and moment balancing are applied to plastic analysis. Member selection and deflection calculations. Prereq: For 448, Civil Engineering 441 and graduate standing or permission of the instructor. For 448m, Civil Engineering 441m and graduate standing or permission of the instructor.

451/851M Water Resources Development (3) Theory and application of system engineering with emphasis on optimization and simulation techniques for evaluating alternatives in water resources development. Basin characteristics and flood control, hydroelectric power, drainage, water quality, water distribution, irrigation and waste measurement. Prereq: For 452, Civil Engineering 351 or Civil Engineering 451 or equivalent. For 851m, graduate standing and major/minor in civil engineering and permission of the instructor.

452/852M Water Resources Development (3) Theory and application of system engineering with emphasis on optimization and simulation techniques for evaluating alternatives in water resources development. Basin characteristics and flood control, hydroelectric power, drainage, water quality, water distribution, irrigation and waste measurement. Prereq: For 452, Civil Engineering 351 or Civil Engineering 451 or equivalent. For 852m, graduate standing and major/minor in civil engineering and permission of the instructor.

457/857M Environmental Hydrology (3) Introduction to the principles of the study of the hydrologic problem with particular emphasis on the application of techniques in the design of engineering projects. Prereq: For 456, Civil Engineering 351 or Civil Engineering 457 or equivalent. For 857m, graduate standing and permission of the instructor.

458/858M Ground Water Engineering (3) The application of engineering principles to the movement of ground water. The influence of the physical and geologic environment on ground water and water quality, water well hydraulics and aquifer evaluation. Emphasis is placed on practical ground water engineering problems. Prereq: For 458m, graduate standing or permission of the instructor. For 858m, graduate standing and permission of the instructor.

461/861M Urban Transportation Planning (3) Development of urban transportation planning objectives and goals, and collection procedures in land use and travel forecasting techniques, trip generation and assignment and modal choice analysis. Mass transit system design, operation and evaluation. Prereq: Upper class standing or permission of the instructor.

462/862M Airport Planning and Design (3) Principles and techniques in the design of airports. Analysis of airport financing, site selection and presentation of aeronautical demand, air traffic control and aircraft performance. Prereq: For 462m, graduate standing and permission of the instructor.

465/865M Cost Engineering (3) Analytical and quantitative techniques for evaluating alternatives in water treatment, wastewater treatment and water distribution. Emphasis is placed on the application of techniques in the design of water and sewage disposal systems; determination of allowable bearing pressures from laboratory and field data; foundation types and design. Effects of temperature and movements of supports. Influence lines. Relation of design to economics. Prereq: For 465, Civil Engineering 465 and digital computer methods in engineering analysis. For 865m, Civil Engineering 865 and graduate standing.

466/866M Water Quality Engineering (3) An introduction to the engineering principles of control of air pollution, solid wastes, and noise and the bacteriologic examination of water and the physical environment including the study of relationships between the accounting and management aspects with respect to pollution. Effects of pollution on plants and animals in relation to the total environment. Interrelations of air, water, and land pollutants and techniques which are currently available are discussed. Prereq: For 466, junior standing in engineering or permission of the instructor.

467/867M Construction Materials (3) An introduction to the engineering principles of control of air pollution, solid wastes, and noise and the bacteriologic examination of water and the physical environment including the study of relationships between the accounting and management aspects with respect to pollution. Effects of pollution on plants and animals in relation to the total environment. Interrelations of air, water, and land pollutants and techniques which are currently available are discussed. Prereq: For 467, junior standing in engineering or permission of the instructor.

474/874M Construction Cost Estimating (3) A course emphasizing maximizing control and management control as related to construction projects. Emphasis is placed on the functional relationship of the accounting and management aspects with respect to pollution. Effects of pollution on plants and animals in relation to the total environment. Interrelations of air, water, and land pollutants and techniques which are currently available are discussed. Prereq: For 474m, graduate standing and permission of the instructor.

480/880M Pavement Design and Evaluation (3) Thickness design of flexible and rigid pavement systems for highways and urban streets. Emphasis on classifying, evaluating and strengthening of existing pavements. Prereq: For 480m, graduate standing or permission of the instructor. For 880m, graduate standing and permission of the instructor.

487/887M Construction Management (3) Emphasis on management and planning of construction projects, including contracts, bonds and insurance, cost control systems, equipment utilization, code and zoning. Prereq: Permission of the instructor.

472/872M Construction Techniques (3) Job planning and management; construction equipment; construction materials; construction methods. Prereq: Permission of the instructor.

474/874M Construction Cost Estimating (3) A course emphasizing maximizing control and management control as related to construction projects. Emphasis is placed on the functional relationship of the accounting and management aspects with respect to pollution. Effects of pollution on plants and animals in relation to the total environment. Interrelations of air, water, and land pollutants and techniques which are currently available are discussed. Prereq: For 474m, graduate standing and permission of the instructor.

480/880M Pavement Design and Evaluation (3) Thickness design of flexible and rigid pavement systems for highways and urban streets. Emphasis on classifying, evaluating and strengthening of existing pavements. Prereq: For 480m, graduate standing or permission of the instructor. For 880m, graduate standing and permission of the instructor.

490/890M History of Mass Communication (3) The American mass media from 17th Century origins to present, with emphasis on mass communication aspects of literary, intellectual, social and political history, and their relationships to current media issues. Prereq: Graduate standing or permission of instructor or instructor's permission.

491/891M Development of Rhetorical Theory (3) The origins and development of rhetorical theory and practice.

492/892M Studies in American Public Address (2) Study of representative American speakers from the eighteenth century to the present. Prereq: Nine hours of speech.

497/897M Organizational Communication (3) Communication in relation to problematic transactions within and between organizations. Theoretical and practical methodologies and procedures for the identification and then preventing, alleviating, or solving
communication problems in organizational set-

425/450M Mass Media and Communication (3) A survey of the communication, a review of various source, message, channel, and receiver variables and their influence on communication effectiveness. Prereq: Comm 101 and 3 hours of psychology or permission.

452/452M Psycholinguistics (3) A discussion of the literature concerned with how psycholinguistics, rules of symbols, perception, memory, and development relate to the linguistic variables of communication. The seminar, led by guest speech, varies. Prereq. Permission. (Same as Psy 452M and 453M.)

453/453M Seminar in Cross-Cultural Communication (3) This seminar will be directed towards understanding the cultural and subcultural misinterpretation, with the purpose of bringing to awareness those factors which disturb communication in cross-cultural situations. (Same as Sociology 455 and 455M.)

462/462M Mass Media and Society (3) A seminar designed to provide students planning to teach speech in high school or college with a working knowledge of how to direct a forensic program. Prereq: Comm 112 or permission.

490/490M Independent Research or Creative Writing (1-5) An integrative course designed to develop students into independent researchers and to increase awareness of the pragmatic and philosophical assumptions and the current political, cultural, societal, and psychological implications. Prereq: Graduate standing in Communication or instructor's permission.

491 Independent Research or Creative Projects (1-3) A seminar in which majors in Communication preparation and contemporary methodologies. including process, components, and products: research, methods, designs, and procedures; communication skills: preparation of a proposal: writing research reports. Prereq: Basic statistics. (Psy 213 or equivalent). Prereq: Permission.

811V Seminar: Modern Public Address (3) Studies in figures, movements and institutions prominent in modern public address. May be repeated. Prereq: Permission.

915V Principles and Techniques of Supervision (3) A comprehensive analysis of the current intercounseling debate proposal. Also stresses methods of counseling of supervision, and the theories held by some of the country’s most prominent legal scholars. Prereq: Permission.

844/844M Communications Law (3) A discussion of laws, legal issues, court decisions, and government regulations which have special application to the mass media, such as libel, privacy, contempt of court, copyright, censorship, and the Federal Communications Commission. Prereq: A preapproved course in mass communication. May be repeated. Prereq: Permission.

845/855M Principles and Psychological Processes Underlying Mass Communication (3) Basic principles and psychological processes underlying mass communication: preparation of a research proposal: writing research reports. Prereq: Comm 101 and 3 hours of psychology or permission.

857V Foundations Seminar: Mass Communication Education (3) A seminar designed for students preparing to take the major in Communication in the fall semester being offered. Course may be repeated. Prereq: Permission.

858V Communication in Transnational (3) Substantive study into specialized areas and modes of broadcasting. Content may vary substantially from individual semester being offered. Course may be repeated. Prereq: Permission.

870V Communication Seminar: Transactional Communication (3) This seminar was designed for students preparing to take the major in Communication in the fall semester being offered. Course may be repeated. Prereq: Permission.

880V Communication Seminar: Consumer Education (3) A course designed to familiarize educators with guidance of consumer education, the school’s role in these activities, and to develop appropriate consumer education. Prereq: For 480, senior. For 880, senior or graduate.

892/892M Guidance in The Elementary School (3) A study of the teacher’s role in elementary school guidance with emphasis on activities in the classroom. No credit for guidance majors. Prereq: For 492, senior.

498/498M Counseling Skills in Gerontology (3) This course is intended to help students to develop counseling skills for application in gerontology.

800V Special Studies in Communication and Guidance (3) Intensive courses scheduled as regular seminars or workshops, according to purpose. Prereq: Permission.

801V Humanistic Processes in Education (3) A study of philosophical processes in the classroom. Special emphasis will be placed on planning and implementing processes in the classroom. Prereq: ELED 436 or 465 or permission of instructor.

805V Alcoholism Treatment Modalities (3) An examination of alcoholism, treatment modalities. Special attention is given to theoretical discussions, context, and techniques. Prereq: Permission.

810V Research Project in Counseling and Guidance (3) Individual or group study and analysis of specific problems/issues in the field. Prereq: Permission of the instructor.

810U Advanced Studies in Counseling (2-3) An intensive study of selected counseling theories, methods and research. Prereq: Permission of department. Prereq: A preapproved course in mass communication. May be repeated. Prereq: 825V or 835V.

810V Research Project in Counseling and Guidance (3) Individual or group study and analysis of specific problems/issues in the field. Prereq: Permission of the instructor.

812U Counseling With Parents (3) A course emphasizing techniques used in working with families. Prereq. Coun 825V or Counselor Education 750 and permission of instructor.

815U Advanced Counseling Practicum (3-5) Continuation of practicum in counseling. Prereq: Coun 825V or 835V and permission of department.

816V The Student and Student Personnel Work in Higher Education (3) An examination of the characteristics of college students and their interaction with campus environmental influences. The impact of student personnel work is considered as it affects personality growth, social development and career planning by college students. Prereq: FED 810V.

818U Guidance and Counseling Seminar (1-3) The consideration of topics having importance in the area of guidance and counseling. Prereq: Permission of instructor.

819U Research Project in Counseling and Guidance (2-3) Research study on a problem in the area of guidance and counseling. Prereq: Permission of department.

820V Introduction to Counseling Theories (3) A course designed to familiarize educators with guidance of students, the school’s role in these activities, and to develop appropriate guidance and listening skills. No credit for guidance majors. Prereq: For 492, senior. For 880, senior or graduate.

I. 823V, and Coun 827V.

832V Counseling necessary to the understanding of effective lead­
er. A course designed primarily for Counsel­
or s with the ecology of the urban disadvantaged
work with older adults. For Counseling and
university. Prereq: Coun 890m and permission of

829V Community Involvem­
ence in an approved guidance program under
field experiences as slides. tran­

835V Elementary Counseling Internship (6)
Field experience in an elementary counseling program under
studies, conceptual models:

tive research project written under the supervision of an adviser.
Prereq: Permission.

Criminal Justice

899V Criminal Justice Planning and Innovation (3)
A review of the literature in social psychol­
y, public administration and sociology which relate to the effective­
changes in criminal justice agen­
cy, the role of the media in influencing public attitudes and val­
Prereq: Permission of in­


851M Costume Design (Each 3) An introduction to the fundamentals of stage costume design, including line, silhouette, color, texture and theatricality. Emphasis on the visual presentation of designs, including the produc­tion of wearable work with life drawing and rendering technique. Prereq: DA 206-207, 351; Art 110. 121.

856M Scene Design (3) Principles of composition perspective and color for the stage: the design of scenic units, costume and light. Prereq: DA 101, 206, 207, 263, 311 or permission of the instructor.

857M Stage and TV Lighting (3) Characteristics and control of light and color and their applica­tion to the theatre and television: elementary
the issues, structures, and procedures involved in the modern world. Prefer: Econ 345. Fall in even-numbered years.

- **Seminar in Regional Economics (3)**: An examination of the current domestic and international economic problems or a regional nature. In addition, policy alternatives, decision making, and the course can be devoted to readings which accompany the course. In another respect the course can be devoted to field investigations along the lines of the same topical schedule. Prereq: Undergraduate major in economics or permission of the instructor. Econ 320 plus 6 hours of graduate work in one of the social sciences.

**Economics**

- **418/818M Collective Bargaining (3)**: A study of the issues, structures, and procedures involved in collective bargaining. Prefer: under faculty direction. Econ 315. Fall in even-numbered years.

**Microeconomic Theory**

- **821V Managerial Economics (3)**: The study and application of consumer behavior, theory of production and cost factors. Additional consideration is given to the theory of the firm under conditions of uncertainty and economic doctrine. Prereq: Econ 201, 202, and DS 212 or permission of the instructor.

- **820V Seminar in Micro Theory (3)**: This course deals with the current state of microeconomic theory. The major topics covered are the theory of consumer behavior, theory of production and cost, theory of the firm, distribution theory, and welfare theory. Prereq: Econ 320 and 322 or permission.

- **821V Managerial Economics (Same as BA 810)**: Microeconomics for graduate students of business. It is a continuation of the business firm and its environments, with emphasis on managerial economics of public utilities. Prereq: Econ 201 and 202, Fall in even-numbered years.

**Macroeconomic Theory and Policy**

- **823M Energy Economics (3)**: This course develops an understanding of the interaction between energy and the national economy and to the other business sector. Emphasis is placed on government regulation, passenger and freight transport and urban and national economy and environment issues. Prereq: Econ 320 and 322, DS 213 or permission of the instructor.

- **823M Transportation Economics (3)**: Study of transportation in the national economy and to the other business sector. Prereq: Econ 320 and 322, DS 213 or permission of the instructor.

**Methodology and Policy**

- **824M/846M Monetary Theory and Policy (3)**: This course traces the development of monetary theory from the classical theory to current matters of public policy and evaluation of general business conditions, and the adaption of business policies to changing business conditions. Additional consideration is given to the practical application of statistical techniques of analysis to the aggregate economy. Prereq: Econ 800 and 801.

**Research Methods in Economics and Business (3)**: A study of current quantitative research techniques in business and economics. The student will become familiar with these research techniques through text materials, journal studies, and applications of statistical measurement to the framework of the aggregate economy. Prereq: Econ 800 and 801.

- **820V Seminar in Money and Banking (3)**: Original research and writing of papers on basic problems in the area of money and banking. Prereq: Six hours in undergraduate monetary courses or permission of the instructor. Econ 365 or 466 or permission of instructor.

- **827M Advanced Micro-Theory (3)**: A study of the level of income, production, employment, and growth. Classical and Keynesian systems are contrasted with recent theoretical paths between. Prereq: DA 461, 467, and 472 or permission.

**Money and Banking**

- **826M/866M International Economic Development (3)**: Problems relating to early stages of economic development: investment priorities, mobilizing savings and policies and programs are studied. Prereq: Econ 322 and 402, Spring in even-numbered years.

**Public Finance**

- **827V Theory of Public Finance (3)**: This course is designed to develop the theoretical basis of modern tax and expenditure processes at the federal, state and local levels. Prereq: Econ 322 and 832V or permission of instructor.

**Econometrics**

- **829V Econometrics (3)**: Study of the underlying assumptions, techniques, and applications of single and multiple regression analysis in economics. Prereq: Permission of instructor.

**Seminar in International Economics (3)**: An analysis of the theory of international trade and the working of the international monetary system. Prereq: Econ 345 or 366 or permission of instructor.

- **829V Econometrics (3)**: Study of the theories and applications of modern econometric techniques. Students do independent research under faculty direction. Econ 315. Fall in even-numbered years.

- **829V Econometrics (3)**: Study of the theories and applications of modern econometric techniques. Students do independent research under faculty direction. Econ 315. Fall in even-numbered years.
Educational Administration and Supervision

A major in Educational Administration and Supervision is designed to acquaint the student with all phases of school administration. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.

860V Study of Supervision in the Modern School (3) This course is designed to acquaint the student with all phases of supervision in the modern school. The course is designed to prepare students who wish to prepare themselves for the administration and supervision of schools in an elementary and/or secondary school setting. Prerequisite: Admission to EDAD Dept.

870V Administration and Staff Personnel (3) To acquaint students with the principles, functions, and problems of supervising school staff members. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.

880V Administration of Higher Education (3) A seminar designed to acquaint students with the principles, functions, and practices of supervising school staff members in higher education institutions. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.

890V Administration of Urban Education (3) A course designed to acquaint students with the principles, functions, and practices of supervising school staff members in urban education institutions. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.

895V School Law (3) A course concerned with laws related to schools. Topics include certification, contract, negligence, curriculum, admission, pupil control, and transportation. Each course is preceded through study of recent court pronouncements.

Educational Foundations

418/418M Mental Health (3) A study of the principles that are conducive to good mental health in the classroom. Major emphasis is placed on identifying the environment that will foster learning and develop mental health. Prerequisite: Admission to EDAD Dept.

420/420M History and Philosophy of Education (3) A study of the historical development and theoretical assumptions underlying educational practice. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.

425/425M Social and Cultural Foundations of Education (3) A study of the social, cultural, and historical development of education. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.

430/430M The Physical Plant of the School (3) Designed to acquaint the student with the principles and practices in school administration. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.

435V The Urban School (3) An analysis of the relationship between the urban school and the community. Emphasis will be placed on the application of these principles to problems in educational administration. Prerequisite: Admission to EDAD Dept.
research design and will learn to gather and collate data. The course will culminate in (1) the completion of an urban educational field study. Prereq: Graduate standing. FED 801, 833, or permission of instructor.

331V Anthropology and Urban Education (3) This course is designed to examine ways in which the urban, conceptualized as cultural transmission, contributes to and is influenced by the individual, focusing in the urban, society's understanding and working knowledge of the culture. Its basic focus is on the course. Interrelationships of anthropological, social, and ideological forms in a subculture or society will be studied. A limited number of anthropological field study is a requirement of the course. Prereq: FED 801 - Introduction to Anthropology.

335V Futurism and Education-Learning for Tomorrow/The Role of the Future in Education (3) Designed to examine the possible use of the telephone in order to receive first-hand, immediate information from individual Futurists who have expertise in the field. The course consists of four experiments. Participants in the course can expect to have four capabilltles upon completion of the course: (1) knowledge of the field, (2) an awareness of the values system that determines how one looks at the future and how these values have been shaped in our culture, (3) a knowledge of the resources available for use to those with an interest in the area of early childhood, and (4) a structure beginning to deal individually with change, i.e., a future society.

483W Practicum Internship (1-5) An integration of community and school experiences with special emphasis on the disadvantaged pupil. Each semester focuses upon a curriculum area of the elementary school, including practical experiences. Prerequisites: Admission to Graduate College. Admission to Practicum Internship, and an interest in the area. Fees: per credit hour.

889 Thesis (1-6) Independent research project written under the supervision of an advisor.

 elementary and Early Childhood Education

482/829M Literature for Children and Youth (3) Selection, evaluation and guidance in various types of educational materials for early childhood and elementary school levels with emphasis on developing a broad acquaintance with authors and works. Prereq: Admission to Graduate College. 483V/833V Futurism and Education-Leaming for Tomorrow on the Canterbury Tales. (3) A series of intensive workshops designed to acquaint students with special areas that are scheduled as regular seminars, or workshops, according to topic.

880V Introduction to Research (3) This course is designed for experienced teachers who desire to study the philosophy andcurriculum content and methods of a knowledge of the school. Prereq: Admission to Graduate College. 881V Research Project (1-3) Individual or group study and analysis of specific problems in schools.

819V Diagnostic and Corrective Instruction (3) A study of methods of diagnosing the use of the telephone in order to participate in the educational program of the elementary school and corrective techniques for overcoming such difficulties in all subject areas of the educational program. Methods, materials, philosophy, and emphasis in instruction, which are characteristic of these programs.

821V Improvement of Instruction in Elementary Mathematics (3) An examination of the philosophy, methods, materials, and emphasis in mathematics programs for the elementary school. Prereq: Admission to Graduate College. 822V Improvement of Instruction in Social Studies (3) This course is intended for those professionals wishing to learn about the "New Social Studies" of the elementary school. Prereq: Admission to Graduate College. 889 Thesis (1-6) Independent research project written under the supervision of an advisor.

English

415/815M Contemporary French and German Novel (3) Comparative study of selected contemporary French and German novels in translation. Prereq: Permission of the instructor. Courses: French 815/815M and German 815/815M.

417/817M Contemporary French and German Drama (3) Comparative study of selected contemporary French and German plays. Prereq: Permission of the instructor. Courses: French 817/817M and German 817/817M.

845M Drama (3) A study of representative works of Mexican American, Spanish American, and American writers. Prereq: Permission. Courses: Spanish 845/845M.

882M Middle English Literature (3) A survey of the principal writings in English, excluding those of Chaucer, from 1100 to 1300.
801V Geography Concepts: History and Philosophy (3) Introduction to history of geography, emphasis on significant ideas, concepts, disciplines, and philosophies in geography from classical times to present. Prereq: Permission.

802V Geography Concepts: Quantitative Methods (3) The understanding and appreciation of quantitative techniques in geography. Emphasis is placed on sampling theory and design, graph theory and spatial statistics. Prereq: Permission.

804V Special Issues in Educational Geography (3) A survey of methods, instruction aids and goals for teaching geography. Design of geography instructional materials in the elementary and secondary schools as well as in higher education. Prereq: Permission.

813V Geography of Agriculture (3) The philosophical basis of geography of agriculture and its application to the interpretation of the cultural landscape. Prereq: Permission.

817V Population Seminar (3) The significance of differences from place to place in the number, kind, and quality of the human morce in older age. Prereq: Permission. (Same as Soc 817V)

820V Rural Seminar in Metropolitan Planning and Development (3) An overview of the present status of urbanization in metropolitan areas, with special emphasis on structure of planning departments, comprehensive plans, and problems of annexation. Prereq: Permission or Econ 811V.

830V Seminar in Regional Planning (1-6) Repeatable up to 6 hours. Emphasis on current trends in regional planning. Prereq: Permission, and 12 hours graduate credit in geography.

831V Seminar in Geomorphology of Soil and Water (3) Advanced study in the field of soil and water morphology, emphasizing soils as the product of the geologic environment. Prereq: Permission.

835V Seminar in Regional Geomorphology of North America (3) A seminar on the landforms of North America as seen from the standpoint of the geomorphologist. Prereq: Permission.

840V Seminar in Special Studies in Gerontology (3) In Problems in Political Geography the psychology of aging, with particular emphasis on the effect of aging in the modern state. Prereq: Permission.

844V Seminar in Advanced Topics in Gerontology (3) The changing role of the elderly in the family and community. Prereq: Permission.

850V Seminar in Political Geography (3) Analysis of international relations and contemporary problems. Prereq: Permission.

860V Seminar in Urban Seminar in Metropolitan Planning and Development (3) An overview of the present status of urbanization in metropolitan areas, with special emphasis on structure of planning departments, comprehensive plans, and problems of annexation. Prereq: Permission or Econ 811V.

885V Seminar in Advanced Topics in Gerontology (3) The study of aging and the elderly in the world by a comparative examination of the social, economic, and environmental conditions that affect the older population. Prereq: Permission.

889V Directed Readings in Counseling and Gerontology (1-3) A study of a recent and current literature on counseling with older people. Prereq: Soc 889V or (Same as 898M) Counseling major, or permission.

890V Personal Values and Aging (1) Course designed to increase students' awareness of their own values and feelings related to aging and the aged.

948V Geropsychology (3) To become familiar with the psychology of aging from a research perspective. The focus will be on the adult years of life, preparing students for research in the middle years and in later years. (Same as Psychology 448V) Prereq: Permission. (Same as Psychology 498M) Prereq: Permission. (Same as Psychology 848M) Geropsychology or/and gerontology or permission.

Health, Physical Education and Recreation General HPER

800V Special Studies (1-3) A series of intensive courses - scheduled as regular seminars, or workshops, according to purpose. Prereq: Permission of department.

803V Research in Health, Physical Education and Recreation (3) An introduction to research methodology and the nature and significance of research in HPER. Attention will be given to reading, evaluating, conducting, and applying research to classroom situations. Basic statistical techniques will be covered. Prereq: Graduate student in HPER.

810V Research Project (1-3) Individual or group study and analysis of specific problems in health, physical education or recreation. Prereq: Permission of instructor.

899 Thesis (1-6) Independent research project written under the supervision of an advisor. Prereq: Permission.
90 UNIVERSITY OF NEBRASKA AT OMAHA

These selected content areas include: Drug education, nutrition, dental health, human sexuality, and safety education. In addition an abbre­ viated course of health education materials for elementary schools will be provided. Prereq: Graduate standing.

827V Alcohol Education for Students (3) A study of the problems associated with alcohol misuse. The patterns and trends of use, theories of dependence, pharmacological aspects and behavioral and cultural consequences are explored. Emphasis is given to comparing the identification of students with alcohol related problems and the role of the school in alcohol prevention, education, intervention and referral. This course is designed especially for public school personnel.

Physical Education

822V Problems and Issues in Physical Education (3) An examination of current problems and issues in elementary, secondary, and elementary physical education. Special emphasis is given to problems and issues relative to the general aims and purposes of physical education.

825V Sport in American Culture (3) The course is a study of the development of sport and the ways in which it influences people in America.

826V Supervision of Physical Education (3) Contemporary educational, organizational, and administrative methods of supervision for use by supervisors and teachers in the construction and supervision of programs in physical education.

828V Curriculum in Physical Education (3) A study of the foundations for curriculum development and related educational problems. Special consideration is given to curriculum change, policy, systems of control, and programs in physical education.

847V Analysis of Research and Literature in Human Movement (2) Survey of research and literature in human movement for the purpose of preparing the student to pose problems of research and developing an understanding and appreciation of the research process.

837V Improvement of Instruction in Physical Education (3) An examination and discussion of current programs and materials within physical education. Emphasis is the improvement of each individual's teaching in the physical education setting.

849V Motor Learning and Performance (3) A study of concepts and factors which influence the learning and performance of motor skills with particular attention being given to those skills having relevance for the teacher of physical education.

845V Kinesiological Analysis of Motor Skills (3) An investigation of the biomechanical basis of motor skills. Emphasis includes an analysis of the functional effects of the various of skills and fundamental movement patterns of physical education and techniques for collecting biomechanical data.


494/494M Physiology of Exercise (3) A study of the major physiological functions of the human body and their response to exercise and the exercise programs. Includes applications of physiological knowledge to physical training and conditioning. Prereq: HPER 288 or equivalent. Prereq: 493.

Recreation/Leisure Studies

424/424M Organization and Administration of Recreation (3) Designed to provide a background of information on community recreation with special attention to organization, promotion, development from the administrative standpoint. Permission of the instructor. Prereq: For 424M, at least 24 hours of upper division courses in recreation or permission of the instructor.

430/430M Recreation Programming (3) An advanced study of recreational programming and dispatching techniques. The principles of research techniques utilizing survey, analysis, case study and comparative analysis. Prereq: For 430M, junior or permission of instructor. For 430M, undergraduate recreation major only. Prereq: For 430M, junior or permission of instructor.

441V Outdoor Recreation Resource Planning (3) An in-depth view of outdoor recreation resource assessment and significant current problems. Specific attention will be focused on statewide planning, recreation variables, cultural preferences, demand, financing, decision-making, and the recreation or environmental education. Prereq: 6 hours undergraduate preparation courses, or permission of the instructor.

851V Recreation Programs for The Mentally Ill and The Mentally Retarded (3) Designed to explore recreation programming for the mentally ill and the mentally retarded (Children, adolescents, adults) in Britain, in America, in Africa, in Asia, in schools and training centers and other agency settings. Consideration is given to developing an understanding of the mentally ill and mentally retarded. Prereq: For 851V, Introduction to Therapeutic Recreation, coursework and/or experience in working with handicapped, or permission of the instructor.

History

313/313J American Colonial History (3) A study of the background, settlement, and development of the English colonies. Prereq: For 313, junior standing or permission of the instructor.

315/315J The American Frontier: 1600-1840 (3) A study of the frontier of the thirteen colonies and of the United States and France, and the westward movement of the United States to the Mississippi river. Prereq: For 315J, junior standing or permission of the instructor.

316/316J The American Frontier: 1840-1900 (3) The Mexican-Mississippi Wars, from Spanish and French days to the disappearance of the frontier around 1900. Prereq: For 316J, junior standing or permission of the instructor.

333/333J Diplomatic History of The United States Since 1890 (3) A study of the foreign relations of the United States since 1900. Prereq: For 333J, junior standing or permission of the instructor; for 333M, junior standing or permission of the instructor.

334/334J Diplomatic History of The United States Since 1900 (3) A study of the foreign relations of the United States since 1900. Prereq: For 334J, junior standing or permission of the instructor.

341/341J History of Nebraska (3) From the earliest known records to the present. Prereq: For 341J, junior standing or permission of the instructor.

344/344J History of The South (3) Economic, social, and political development of the south as a region. Prereq: For 344J, junior standing or permission of the instructor.

353/353J Medieval Europe, 248-1059 (3) Establish­ ment and development of the medieval church and of feudal society from the decline of the Roman empire to the beginning of the 12th century. Prereq: For 353J, junior or permission of instructor. For 353M, undergraduate recreation major only. Prereq: For 353M, junior or permission of instructor.

354/354J The European Reformation, 1505-1492 (3) Religious, economic, social, political, and intellectual developments of the era extending from the fall of the Holy Roman Empire to the advent of the Renaissance through the waning of the middle ages. Prereq: For 354J, junior standing or permission of the instructor.

355/355J The Age of the Renaissance (3) An introduction to the British, Italian, French, and Spanish and religious, and intellectual changes and to the problems of the reformation and art of the period extending roughly from 1300-1550. Prereq: For 355J, junior standing or permission of the instructor.


371/371J Europe and America in the Two World Wars (3) A study of the political and historical events and causes, conduct and consequences of each war, the wartime transformation of Europe and American society, and the emergence of the United States as a world power. Prereq: Junior standing or permission.

391/491J Topics in History (3) A pro-seminar on a variety of topics based on a selected and interpretable historical writings and or source materials. Prereq: Permission of the instructor.

405/805M History of Women in The United States (3) Study of women's history from the colonial period to the achievement of women's rights. Prereq: For 405J, junior standing or permission of the instructor.

411/811M American Social and Intellectual His­ tory to 1865 (3) Primarily a non-political approach to American history, this course examines significant topics in American thought and society. Prereq: For 411J, junior standing or permission of the instructor.

412/812M American Social and Intellectual His­ tory Since 1865 (3) Primarily a non-political ap­ proach to American history, this course will examine significant topics in American thought and society. Prereq: For 412J, junior standing or permission of the instructor.

413/813M The Revolutionary Era, 1763-1789 (3) An analysis of the imperial and internal forces which led to the revolution and an exami­ nation of the economic, social, and political problems of the emerging nation. Prereq: For 413M, junior standing or permission of the instructor.

416/816M The Early Federal Period, 1789-1815 (3) A study of the interworkings of the new govern­ ments, and foreign affairs in molding govern­ ment and society during the founding years of the United States. Prereq: For 416M, junior standing or permission of the instructor.

416/816M The Jacksonian Era (3) An interper­ tative study of the middle period of American history. Prereq: For 416M, junior standing or permission of the instructor.

418/818M Civil War and Reconstruction (3) A period study from 1845 to 1877, concentrating on the issues and positions of the ground of the Civil War, the war years, and the reshaping of the Union during the reconstruction period. Prereq: For 418M, junior standing or permission of the instructor.

424/824M The Emergence of Modern America: 1877-1901 (3) A study of a transitional period in United States history, this course will examine the importance of industrialization, urbanization, immigration, and the emergence of the United States as a significant world power. Prereq: For 424M, junior standing or permission of the instructor.

427/827M Twentieth Century America to 1932 (3) A study of the history of the United States from the end of the nineteenth century to the election of Franklin D. Roosevelt to the presi-
I. '433/833M Constitutional History
States since the election of Franklin D.
Roosevelt to the presidency in 1932. Prereq: For 428, 1932
faced today. Prereq: For 440, junior standing or
permission of the instructor.

423/823M Constitutional History of The United
States to 1860 (3) A history of constitutional thought
practice since 1860. Prereq: For 432, junior standing or permission of the
instructor.

434/834M Constitutional History of The United
States since 1860 (3) A history of constitutional thought
practice and policy since 1860. Prereq: For 432, junior standing or permission of the
instructor.

1. 441/844M History of American Science
(3) A study of the origins, development, and nature of
American science and its solutions to social problems and social
thought, and government. Prereq: For 442, junior standing or permission of the
instructor.

442/842M American Urban History to 1870 (3)
Historical survey of urban development in the United States from the colonial period through the
1860's; urban society, problems, institutions, and the role of cities in national history.
Prereq: For 440, junior standing or permission of the instructor.

443/843M History of American Science (3) A study of the origins, development, and nature of
American science and its solutions to social problems and social
thought, and government. Prereq: For 442, junior standing or permission of the
instructor.

444/844M American Urban History Since 1870 (3)
American urbanization from 1870's to the present. The influence of technology, transportation, 
industry, immigration; urban politics and roles in national history. Prereq: For 443, American and
problems of the contemporary super-
city. Prereq: For 440, junior standing or permission of the instructor.

447/847M History of American Medicine and Public Health (3) Analysis of the relationship between medical
treatment and public health problems and institutional development. Prereq: For 442, junior standing or
permission of the instructor.

451/851M Intellectual History of Modern Eu-
rope: From the Renaissance to The French Revo-
lation (3) A study of historically potent political, ideological, and philosophical currents in the
western European culture between the Renaissance and the French
revolution. Prereq: For 447, junior standing or permission of the
instructor.

452/852M Intellectual History of Modern Eu-
rope: From The Early Nineteenth Century to The Present (3) A study of the historically potent political, ideologi-
cal, and philosophical currents of the last century and a half. Emphasis will be upon the answers of western European culture
to life's great questions. Prereq: For 452, junior standing or permission of the
instructor.

453/853M The Age of The Reformation (3) Study of an era characterized by the dissimula-
tion of Renaissance and the Reformation with the authority of the medieval church, nascent nation-
alism, changing economic structure, and the use of religious upheaval and, interrelated political riva-
lies and strife. Prereq: For 453, junior standing or permission of the instructor.

454/854M The Age of Absolutism (3) The emer-
gence of the new power relations in the interme-
tive social and political developments in Europe. Prereq: For 454, junior standing or permission of the
instructor.

455/855M The Age of Enlightenment (3) An ex-
amination of eighteenth century society and the continued view of the
western culture with the attendant rise of Prussia, the growing importance of Russia, enlightened ab-
out the causes of the French revolu-
tion. Prereq: For 455, junior standing or permission of the
instructor.

456/856M The French Revolution and Napoleon I (1870-1845) A study of the French revolution and the Napoleon era with
particular attention to the development of dem-
ocratic practices congruently with the develop-
ment of modern authoritarianism. Prereq: For 456, junior standing or permission of the
instructor.

457/857M Europe Betrays Its Promise (1815-
1900) (3) A history of Europe's growth and decline which resulted in the Balkanization of Europe.

461/861M Tudor and Stuart England (3) A study of England during a period of transition from
an English people more magnificently and experi-
ence than any nation in the world. Prereq: For 458, junior standing or permission of the
instructor.

462/862M English History: From the Middle to the Modern Period. Prereq: For 458, junior standing or permission of the
instructor.

474/874M Nineteenth Century Intellectual His-
story of Russia (3) A pre-sessional emphasis on the life and works of various writers of the
nineteenth century. Prereq: For 474, junior standing or permission of the
instructor.

477/877M Europe in Crisis: 1850-1932 (3) A study of the conditions and factors which preceded World War I, the war itself, the peace following the war and the rise of the dictators. Prereq: For 477, junior standing or permission of the
instructor.

487/887M Europe in The Global Age: 1932 to The Present (3) A study of the ever-increasing tensions between the Fascist and Communist systems and the result of World War II, the resultant dislocation of power and the emergence of the balance of terror. Prereq: For 478, junior standing or permission of the
instructor.

481/881M Comparative Imperialism (3) Histori-
cal development of various forms of imperial-
ism. Prereq: For 478, junior standing or permission of the instructor.

832M Economic History of the Western World to 1850 (3) This course discusses the evolution of
Western economic thought, from mercantilism, the price revolution of the sixteenth century, the growth of the agricultural sector, the rise of manufacturing, industrialization, particularly in England. In addition, atten-
tion will be given to related demographic, soc-
ial, and political developments. Prereq: Graduate standing.

881M Economic History of the Western World Since 1850 (3) This course discusses the evolution of
Western economic thought, and its general acceptance in the western world and its impact on the developing nations. Prereq: For 881, junior standing or permission of the
instructor.

887M Advanced Research Project in History (1,11, S) (1-5) Special problems in advanced research in history, arranged individually with
graduate students. Prereq: Graduate standing. (3) The critical method in collecting and organizing historical
materials; the processes of verification, evaluation, analysis, and synthesis. Prereq: Graduate standing or permission of the
instructor. (Not open for credit to students who have taken Hist. 495 or equiva-
1ent.)

889M Great American Historians (11) A survey of major American historians with special emphasis
on their contributions to the life of our society. Prereq: Graduate standing or permission of the
instructor. (Not open for credit to students who have taken Hist. 495 or equiva-
1ent.)

897M Great European Historians (11) A survey of major European historians with special emphasis
on their contributions to the life of our society. Prereq: Graduate standing or permission of the
instructor. (Not open for credit to students who have taken Hist. 495 or equiva-
1ent.)

897M Great European Historians (3) A survey of major European historians with special emphasis
on their contributions to the life of our society. Prereq: Graduate standing or permission of the
instructor. (Not open for credit to students who have taken Hist. 495 or equiva-
1ent.)

897M Great European Historians (3) A survey of major European historians with special emphasis
on their contributions to the life of our society. Prereq: Graduate standing or permission of the
instructor. (Not open for credit to students who have taken Hist. 495 or equiva-
1ent.)
427/822 Professional Study Tour – International or Domestic A. Heritage Fashion B. Interior Design 16–credit each per semester, minimum 1 per semester. An intensive experience A. study the scope of the contemporary B. study the role of design or fashion in society. The experience includes visits to museums, ateliers, showrooms, manufacturers and retail establishments. Prereq: selected from the following: New York City, Paris, London, Rome, Florence, Milan, Vienna and Venice. Prereq: 12 hrs. textiles, clothing and design per semester or permission of instructor.

808 History of Textiles (3) A study of the historical role of textiles, in the artistic social, and economic development of various cultures. Prereq: 9 hrs. textiles, clothing and design, 3 hrs. study in a history of western world or permission.

Mathematics and Computer Science

Computer Science

311/811J Information Systems Analysis – Decision-making processes, system life cycle, logical design of information systems. Prereq: CS 171 or 172.

312/812J System Design and Implementation (3) Principles and techniques of the design and implementation of information systems. Hardware and software selection and evaluation. Prereq: CS 311.


450/850M Systems Programming I (3) Operating System Principles. The operating system as a resource manager; I/O programming, interrupt processing, and machine architecture as it relates to resource management; Memory management techniques for uni–multiprogrammed systems; Process description and implementation; Processor management (scheduling); I/O design, controller, and channel management; file systems. Operating system implementation for large and small machines. Prereq: CS 231 and 232. CS 450–CS 455 is recommended.


470/870M Compiler Construction (3) Assemblers, interpreters and compilers. Compilation of simple expressions and statements, organizations of compiler, analysis of algorithms. Prereq: Same as 380M. Prereq: CS 332 and 345. CS 470 is recommended.


345/845J File and Communications Systems (3) Functions of file systems and communication systems to support an information system. Prereq: CS 332.

365/865J Stochastic Modeling (3) Examination and construction of probabilistic models for queuing, inventory and simulation. Same as Math 365. Prereq: CS 332 and 345. CS 365 is recommended.


436/836M Linear Programming (3) Theory of simplex method, obtaining of initial basic feasible solution, infeasible and unbounded problems, implementation of a commercial LP package. Theory of convexity will be discussed. Prereq: Math’ s CS 265.


891V Advanced Topics in Optimization (3) Topics designed to introduce advanced undergraduate and graduate students to optimization under uncertainty, constrained optimization techniques, advanced dynamic programming, variational methods and optimal control. May be repeated for credit with permission of Graduate Adviser. Same as Math 891V. Prereq: 891M. Prereq: 891V.

893M Advanced Numerical Methods (3) Introduction to object computer data bases, how these objectives can be met by various logical design, and how these designs are physically represented. Prereq: CS 332 and CS 345 recommended.

Mathematics

311/811J Differential Equations (3) Methods of solving ordinary differential equations, with applications to geometry and physics. Linear differential equations are emphasized. Prereq: Math 196. It is further recommended that the student has taken Math 197 or takes it concurrently.

823J Introduction to Analysis (3) Provides a theoretical foundation for the concepts of elementary calculus. Topics include the real number system, topology of the real line, limits, functions, continuity, differentiation, integration. Prereq: Math 197 and Math 201.


423/823M Complex Variables (3) Differentiation, integration and power series expansions of analytic functions, conformal mappings and applications, analytic continuation, singularities and representation of analytic functions. Prereq: Math 423 or advanced calculus.


835M Computer Programming (3) Theoretical and practical introduction to the use of the world’s most popular programming languages including C, FORTRAN and PASCAL. Prereq: Math 830M.


441/841M Introduction to The Foundations of Mathematics (3) Logic, the axiomatic method, properties of axioms systems, set theory, cardinal and ordinal numbers, metamathematics, cons.
835V n e ed ed for 83 6V .

forma l mappings. Pre req: Math 423. 424 o r 427, elementary fun ct io ns, com ple x
e lli ptic eq uatio n s, line a r in tegra l equatio n s. ei­
gc n - fun cll­ions. and b ou n dary va lue problems.

permission of instructor.

ne to acher c er ti fia ti o n or is working towa rd it. or

puters, and th e implications o f the use

802T Topics in

gographic projection, n on - E uclide a n geome­
lectio ns f rom the following top ics: Straiµit-edge
grammi n g, stochastic proc ess es . Prereq: Has

ward

Topology

454/854M

discret e

equival­
to geo met­
and

unconstrained search procedures, adva nced
dynamic programm in g, variat iona l methods

898V Graduate Seminar (1-3) A graduate se m i­
tion. May be repeated for credit

867V Algorithmic Combinatorics

(3) Cl ass ical
app­
tion, n umerical s o lut io n s to boundary

897V Pipe Organ (1-3)

834V Baritone Horn (1-3)

835V Trombone (1-3)

836V Tubas (1-3)

837V Percussion (1-3)

839V Harp (1-3)

861V Seminar-Workshop in Music Education (1-3) Seminars and workshops in music educa tion for the graduate student and in­

service teacher. Prereq: Math 260 and 363 or equivalent.

Philosophy and Religion

301/801J Existentialism and Religious Thought (3) A study of existentialism in its theo­
gical and philosophical aspects, with a focus on the thought of Kierkegaard and a theistic (e.g., Sartre, forms)

of

the

situ a to n. To be repeated. Re­

302/802J Optic s

as disclosed through studies of geometrical op­
ei thological problems

which focuses upon p hil osophical prob lems

brai n , the extent of similarities between huma n

cepts rather than m at hem a ti cal rigor is stressed.

645/865V Philosophy of Mind (3) A discussion of various accounts of the nature of mind which focuses upon philosophical problems

in the light of empirical studies. The book

which focuses upon p hil osophical prob lems

of various accounts of the nature of minds

phys­

in Ph ys ics

301/801J Elements of Electronics (3) The back­

ground of circuit theory, operation, and practice of
electronic devices and circuits particularly as they apply to scientific instrumentation. Both
circuit theory, operation, and practice of
electronic devices and circuits particularly as they apply to scientific instrumentation. Both

solid state and vacuum tube principles.

of

in Ph ys ics

302/802J Optics (3) The nature of light energy as disclosed through studies of geometrical op­
ei thological problems

phys­

in Ph ys ics

301/801J Elements of Electronics (3) The back­

background of circuit theory, operation, and practice of
electronic devices and circuits particularly as they apply to scientific instrumentation. Both
circuit theory, operation, and practice of
electronic devices and circuits particularly as they apply to scientific instrumentation. Both

solid state and vacuum tube principles.

of

in Ph ys ics

302/802J Optics (3) The nature of light energy as disclosed through studies of geometrical op­
ei thological problems

phys­

in Ph ys ics

301/801J Elements of Electronics (3) The back­

background of circuit theory, operation, and practice of
electronic devices and circuits particularly as they apply to scientific instrumentation. Both

circuit theory, operation, and practice of
electronic devices and circuits particularly as they apply to scientific instrumentation. Both

solid state and vacuum tube principles.

of
Schroedinger's wave mechanics and principles of nuclear science. Nuclear and time-independent perturbation theory and the physical characteristics, distribution, and covalent bonding, molecular spectra, and the nuclear structure, evolution, and death of stars; potential wells, harmonic oscillators, angular momentum, and Fermi-Dirac statistics as well as transport phenomena is given. Prereq: Calculus and Physics 112 or 212.

405/805M Solid State (3) Behavior of materials in the solid state as it concerns electron levels, mechanisms, optical and electrical phenomena. Prereq: Calculus and Physics 323 or permission.

407/817M The Special Theory of Relativity (3) This course includes the general historical background, the important experiments, Lorentz transformations, covariant formulation, applications to electromagnetism and mechanics and philosophical implications of special relativity including relationship to the general theory. Prereq: Calculus and Physics 112.

412/812M Atomic and Molecular Physics (3) This course consists of applications of quantum theory to the study of atomic and molecular physics. Topics include the Schrodinger theory, solutions of quantum mechanics, the construction of potential and atomic specta, fine structure, orbit angular momentum, magnetic properties, atomic, magnetic, and Lenard-Jones potentials and barriers, one electron atomic structures, fine structure, angular momenta, fine structure, magnetic moments, nuclear forces, and covalent bonding. Prereq: Physics 112 or 212 and Physics 323 or the equivalent.

414/814M Nuclear Physics (3) Methodology and techniques of nuclear science, nucleation, nuclear reaction, artificial and natural radioactivity, isotopes and their applications, techniques, radiation health physics, reactor theory. Prereq: Calculus and General Physics 112 or 212.

435/835M Astrophysics (3) Physics and theory of the physical characteristics, distribution, and space motion of stars and stellar systems; interstellar matter, evolution, and death of stars; structure of stellar atmospheres; interstellar clouds; and the origin of galaxies, nebulae, and the origin of the universe. Prereq: Physics 213 or 412 and Calculus I and II (Phys 335 is helpful).

455/855M Quantum Mechanics (3) This rigorous introduction to quantum mechanics the student becomes familiar with the methods of Schrodinger's wave mechanics and Heisenberg's matrix mechanics. Using these techniques the following topics are discussed: Particles with potential wells, harmonic oscillators, angular momentum, rotational motion, hydrogen atom, time-dependent and time-independent perturbation theory and molecular bonding. Prereq: For 855m, calculus, Physics 323, or permission of the instructor.

495-496/895M-896M Problems in Physics (Each (1-3) Individual laboratory work and/or library work and oral presentation. Emphasis upon developing and applying and testing an explanatory theory. Prereq: Admission to the graduate program. For 496, permission of instructor. For 496, 495 and permission of instructor.

Political Science

406/806M The Democracy (3) The rise of the institution from Washington to the present, and the position and prestige it holds and the pressures which affect it. Prereq: For 406, Political Science 110 and junior standing.

408/808M The Legislative Process (3) A comprehensive study of the legislative process of the Congress and state legislatures. The major emphasis is on legislative institutions, processes and behavior. Prereq: For 404, Political Science 110 and junior standing.

409/809M The Judicial Process (3) This is a course in the administration of justice. It examines federal and state courts within their powers, judicial selection, the bar, and the reform movements in the most basic of all man's objectives, the pursuit of justice. Prereq: For 405, Political Science 110 and junior standing.

412/812M Public Opinion and Political Behavior (3) Analysis of the political socialization process as it relates to opinion formation and the effects of this process on the operation of the political system. Prereq: For 412, junior standing.

417/817M Constitutional Law I: Foundations (3) An introduction to the formation and history of the American constitutional system. Prereq: Admission to the graduate program. For 417, Articles of Confederation, Constitutional Convention, ratification debates. Stress laid on Federalism, Principles of Law, and power of the national government. Prereq: Physics 112 or 212 and Physics 323 or the equivalent.


419/819M Constitutional Law III: Civil Liberties (3) Analytical examination of American constitutional law regarding the civil liberties of citizens. Emphasis on 1st, 4th, 5th, 6th, 8th, 13th, 14th, and 15th Amendment cases.

420/820M Research Methods of Political Science and Public Administration (3) A critical investigation of the methods of data collection and analysis of selected aspects of political science and public administration research. Prereq: Permission of instructor. (Also listed under public administration)

423/823M Foreign Policy of the U.S.S.R. (3) A study of the foreign policy of the U.S.S.R. with emphasis on individual research of the student. Prereq: Permission of graduate advisor.

432/832M Seminar in American Government and Politics (3) A seminar designed to develop an understanding of the structure and function of the American political system with emphasis on individual research by the student. Prereq: Permission of graduate advisor.

807/807M Seminar in International Politics (3) Analysis of the theoretical framework which includes the study of political science and political theory as it relates to international relations. Prereq: Permission of graduate advisor.

868/868M Seminar in Comparative Politics (3) Analysis of the comparative methods, theories and literature of the field of comparative politics, with evaluation of the theories by application to contemporary political systems. Prereq: Permission of graduate advisor.

852V Seminar in Comparative Politics: Emerging Areas (1) Research, analysis, and writing on topics of general and particular interest to the student on the governments, politics, and political problems of emerging nations. Prereq: Permission of graduate advisor.

800V Independent Study in Topics of Urban (1-2) Graduate student research on an original or advanced basis under faculty supervision in topics pertaining to urbanism. Prereq: Undergraduate major in one of the social sciences. (Also listed under economics, geography, and sociology.)

832V-834V Interdisciplinary Seminar in Urban Community (3-6) An interdisciplinary approach on the metropolitan community in which various departmental and college disciplines are concerned with urban problems are put in broad interrelated focus. Prereq: Undergraduate major in one of the social sciences plus 6 hours of graduate work in one of the social sciences. (Also listed under economics, geography, and sociology.)

890V Readings in Political Science (3) Specially planned readings in political science for the graduate student. Prereq: An examination of the methods of data collection and analysis of selected aspects of political science and public administration research. Prereq: Permission of instructor. (Also listed under public administration)

899V Thesis (3-6) A research project, written under the supervision of a graduate advisor in the Department of Political Science, in which the student develops his capacity to design, conduct, and complete an independent study and investigation of a high order of originality. The research topic and the comprehensive examination to be approved by the student's departmental committee. Prereq: Permission of graduate advisor.
Psychology
401/801M History of Psychology (3) A study of the origins, development, and nature of psychology, its relationship to external events, and emphasis on the period since 1875. Prereq: For 401, junior standing.

402/802M Computer Concepts in Psychology and The Behavioral Sciences (3) An introduction to computer concepts and techniques emphasizing the application of computers in the areas of psychology, sociology, and education. Includes a functional description of various hardware and a discussion of programming languages as well as specific uses. Prereq: For 402, junior standing.

406/806M Environmental Psychology (3) A study of effects of nature and artificial environments on human behavior. Particular emphasis on effects of spatial arrangements and their interactions with social distance, territoriality, privacy and crowding. Prereq: Basic Statistics. (Same as Experimental Psychology with laboratory or permission.)

407/807M Cognitive Processes: Thinking and Imagination (3) An exploration of historical and contemporary research and theories concerned with higher cognitive processes including concept formation, problem solving, creativity, symbolic behavior. Prereq: For 807M, Psychology 301 or 304.

412/812M Research Design (3) Methods for designing studies, evaluating research, and interpreting data in psychology with an emphasis on the design of experiments. Prereq: Psychology 213 or equivalent.

425/825M The Limits of Consciousness (3) A survey of theories, practices and research on altered states of consciousness. Emphasis will be given to the peripheral as well as the intellectual proficiency that can be derived from altered states. Prereq: For 825M, junior standing.

427/827M Animal Behavior (3) Behavior of diverse animals for the understanding of the relationship of the behavior manifested by the organism, as well as the evolution and adaptive significance of behavior in the functional unit. Prereq: Psychology 101 and Biology 175 or permission. (Same as Biology 427/827M.)

428/828M Animal Behavior Laboratory (1) Laboratory and field studies of animal behavior. Emphasis will be given to the laboratory experiences and independent studies will be conducted. (Same as Biology 428/828M) Prereq: Psychology 427/827M or concurrent enrollment.

431/831M Psychological and Educational Testing (3) An introduction to standardized tests of psychology and education is considered with special regard to their construction, reliability, and validity. Prereq: Psychology 102 or 351.

433/833M Individual Differences (3) A critical study of experimental and statistical investigations of the influence of age, ancestry, sex, physiology, and environment in causation of individual differences in mental traits. Prereq: 9 hours of psychology, including Psychology 101 and Psychology 213 or equivalent.

443/843M Psychoanalytic Psychology (3) The study of Sigmund Freud, psychoanalytic theories, and current theories and dream analysis. Readings are emphasized.

445/845M Personality Theories (3) A comparative approach to the understanding of personality theory emphasizing the development of personality and consistency approaches to personality. Prereq: Psychology 343 and senior standing or permission.

447/847M Jungian Psychology (3) To become familiar with C. G. Jung's life and words; his psychology, philosophy, theology, and literature. Readings are emphasized. Prereq: None.

448/848M Jungian Psychology (3) An introduction to methods and techniques of western psychology with emphasis on theories of C.G. Jung and his-research on the hemispheric activity. Daily practice of non-linguistic thinking required. Prereq: For 448, junior standing and permission of the instructor.

452/852M Psycholinguistics (3) A discussion of the literature concerned with how such psychological variables as perception, learning, memory, and development relate to the linguistic variables of sentence structure, meaning, and speech. Prereq: For 452, senior standing or permission of the instructor. (Same as Anthropology 452 and Comm 452)

455/855M Research Methods considerations significantly subdivide intellectual functioning originating during the developmental period and associated with imprints of the organism's environment. Research is emphasized. Prereq: Psychology 431 or Psychology 213 or equivalent and Psychology 343 or 445 or 454 or 454/854.


453V Individual Tests I (3) Administration, scoring, standardization, and interpretation of individually administered tests with special emphasis on intelligence testing. Prereq: Psychology 431 or Psychology 213 or equivalent.

454V Individual Tests II (3) Administration, scoring, standardization, and interpretation of the individually administered tests with special emphasis on professional procedures. Prereq: Psychology 431 or Psychology 213 or equivalent.

455V Nonparametric Statistics (3) A study of distributions-free tests to research problems in social behavioral sciences. Prereq: Psychology 213 or equivalent.

820V Introduction to Counseling Theories (3) Study of contemporary theories of counseling, their application, and methods. Prereq: Psychology 352 or equivalent.

821V Nonparametric Methods (3) A study of the theoretical and practical problems related to the development and use of psychological tests covering such topics as measurement, test development, standardization, reliability, validity, and interpretation. Prereq: Psychology 213 or equivalent.

855V Seminar in Communication Theory (3) Analysis of current approaches to the study of communication with emphasis on theoretical material and applications to various professional interests. Prereq: Psychology 213 or equivalent or permission of instructor. (Same as Speech 850V)

851V Advanced Educational Psychology (3) A study of statistics, learning and testing, and their applications to problems of contemporary educational interest. Prereq: Permission or the instructor.

852V Introduction to Personality Development (3) An introduction to methods and techniques of assessment, and correction of problem behavior in the school age child. Prereq: Psychology 352 or equivalent or permission of instructor.

853V Clinical Child Psychology (2) An advanced course in child psychology, with emphasis upon developmental psychology in schools and school psychologist. Prereq: Psychology 352.

854V Individual Tests II (3) Administration, scoring, standardization, and interpretation of the individually administered tests with special emphasis on professional procedures. Prereq: Psychology 431 or Psychology 213 or equivalent.

855V Psychology of Women (3) A course providing comprehensive coverage of psychological theory and research pertaining to women. Critical analysis of theoretical and experimental issues will be emphasized. Students are expected to participate in the course and will be expected to write an appropriate research proposal. Prereq: Graduate standing in any department, or by permission of instructor.

856V Psychological Aspects of Industrial Training and Education (3) A study and application of the theory, techniques, and procedures involved in preparing individuals for productive work, through training and education. Prereq: Psychology 362 and Psychology 213 or equivalent.

860V Clinical Child Psychology for Professionals (2) An advanced course in child psychology, with emphasis upon developmental psychology in schools and school psychologist.

880V Practicum in Industrial Psychology (2) A supervised research project, involving field or library work or oral and written reports. Prereq: Written permission of the department.

885V Practicum in Industrial Psychology (2) A supervised research project, involving field or library work or oral and written reports. Prereq: Written permission of the department.

890V Practicum in Industrial Psychology (2) A supervised research project, involving field or library work or oral and written reports. Prereq: Written permission of the department.

900V Practicum in Industrial Psychology (2) A supervised research project, involving field or library work or oral and written reports. Prereq: Written permission of the department.


102 UNIVERSITY OF NEBRASKA AT OMAHA

tical problems. Prereq: Permission of course instructor.
907V Practicum in Educational Psychology (1-6) Faculty-supervised experience in an educational agency designed to acquaint (3) Theoretical and practical problems faced by psychologists who work in educational settings. Prereq: Permission of your practicum committee.
908V Practicum in Developmental Psychology (1-6) A seminar experience designed to provide a practical understanding of theoretical concepts of human development. Emphasizes direct observation and/or various populations within the developmental life span (e.g., infants, preschoolers, middle childhood, adolescents, adults, aged persons). Prereq: Psychology 936 and permission of the Developmental Psychology Area Committee.
909 Thesis (1-6) Independent research project written under the supervision of a faculty committee. May be repeated up to a total of 6 hours. Prereq: Written permission of your thesis committee.
903 Seminar: Psychology of Motivation (3) A topic area within the field of motivation will be explored in depth. Each year, the specific topic will be selected to coincide with that of the Nebraska Symposium on motivation. Students enrolled in the course will be expected to attend the symposium which is held in Lincoln. Prereq: Graduate standing and instructor's permission.
904 Practicum: Learning (3) A comprehensive and critical assessment of the experimental literature on learning in humans and animals. Prereq: Permission of instructor.
905 Advanced Seminar in Learning (3) A course considering theorists who have most directly influenced experimental psychology in the area of learning, with emphasis on fundamental issues which are held in Lincoln. Prereq: Psychology 301 or 504 or permission of instructor.
906 Analysis of Variance (3) A course providing a theoretical and practical understanding of the analysis of variance model. Prereq: Permission of instructor.
911 Multiple Regression and Factor Analysis (3) Advanced problems and techniques of correlation and regression analysis. Emphasis on simple correlation methods and problems, multiple correlation, multiple regression, and factor analysis. Prereq: Permission of instructor.
912 Prior Learning (3) A comprehensive introduction to the principles underlying the study of individual variation in learning. Prereq: Permission of instructor.
913 Seminar in Developmental Psychology (3) A theoretical and empirical analysis of neuro- and other physiological changes correlated with and contributing to developmental processes in infra-human and human subjects. Prereq: Completion of the psychology prese­ ntiumps, and/or equivalent and permission of instructor.
936 Seminar in Applications of Non­Verbal Communication (3) A seminar on the research on the development, facilitation and barrier­reduction effectiveness of non-verbal communication. Prereq: Permission of instructor.
938 Seminar in Social Psychology (3) Analysis of non-verbal interaction with specific application to education, business, supervision, counseling and therapy. Emphasis on the use of non­verbal communication. Prereq: Course in research methods or permission of instructor. (Same as Speech 955 and SED 936)
940 Seminar in Small Group Communication (3) Research and theory related to the use of small group communication and leadership; research procedures; approaches to teaching and discussion course. Prereq: Communication 801V or equivalent, or basic statistics, or permission of instructor. (Same as Communication 940 and Sociology 940)
943 Practicum: Personality (3) A course considering the effects of personality on behavior. A historical, theoretical, psychologically, and experimenter's point of view will be emphasized. Prereq: Permission of instructor.
944 Practicum: Social Psychology (3) Examination of theories, research findings and controversies in social psychology. Topics will include socialization; person perception; interpersonal attraction, leadership and group effectiveness; attitudes, attitude measurement, and attitude change; and intergroup relations and influence. New topics will be added as they become part of the literature on social psychologists. Prereq: Permission of the instructor.
945 Experimental Social Psychology (4) Acquisi­tion of basic research skills and a working understand­ing of key experimental problems in psychology of social issues in social studies, either by oneself or as a part of a small group. Prereq: Psychology 944 and 950.
946 Personality and Prediction (6) This course is intended to provide the student with an intensive study in personality related to family, society, stress, child development, and social psychology. Prereq: Psychology 940 and 946.
947 Practicum: Developmental Psychology (3) A comprehensive and intensive coverage of the experimental literature on human and infra-human development. Prereq: Permission of the instructor.
947 Practicum in Behavior Analysis (3) A comprehensive introduction to the principles underlying the study of behavior, with emphasis on the application of behavior analysis techniques: single subject research designs, and a broad review of research involving behavior modification. Prereq: A minimum of one course in learning theory (Psy 836, 857V, 904, or equivalent) and permission of instructor.
951 Seminar in Applied Behavior Analysis (3-6 hrs) Laboratory work coordinated with Psychology 941V (Applied Behavior Analysis). Prereq: Concurrently with seminar. Prereq: Permission of student, culminating in the student's own research project. Prereq: Psychology 957 or permission.
952 Practicum: Personality and Social Psychology (1-6) A course dealing with tests and techniques for evaluation of personality characteristics and interested for advanced graduate students in psychology who are enrolled in a program of study leading to certification as a school psychologist. Prereq: An introductory course in group testing; psychology 213 or equivalent, and permission.
959 Seminar in Developmental Psychology (3) Faculty and student presentations organized around one of the three major subdivisions of psychology: Social and personality development, Developmental changes in conditioning and learning, Cognitive growth and functioning. The course may be repeated each time a different topic is offered, up to a maximum total of nine credit hours. Prereq: Completion of seminar sequence and permission of the instructor.
960 Alcoholism and the Family (3) A review of the theoretical, empirical, and clinical literature on the effects of alcoholism, especially alcoholism of the family, and child and adolescent alcoholism are covered. Prereq: Permission.
961 Seminar: Community/Organizational Psychology (3) Intensive study of current problems and issues in community development. Prereq: Psychology 213 or equivalent.
962 Seminar in Public Policy Analysis (3) A course designed to familiarize the student with the policies used in assessing and selecting political and political positions. Prereq: Psychology 213 or equivalent, Psychology 822V and completion of 317.
970 Topical Seminar in School Psychology (1-6) A discussion of a specific advanced topic in school psychology. Prereq: Permission. Prereq: Concurrently with seminar. Prereq: Each time the course is offered. The course may be repeated each time a different topic is covered, up to a total maximum of 9 credit hours.
991 Topical Seminar in Psychology (1-3) A discussion of advanced topics which will be announced whenever the course is offered. Prereq: Permission of instructor.
992 Seminar in Organizational Behavior (1-6) Faculty supervised experience in industry or business designed to bridge the gap between the classroom and a job, emphasizing use of previ­ously acquired knowledge in dealing with practical problems. Prereq: Permission of the department and admission to doctoral program.
996 Research Other Than Thesis (1-12 hrs) Research work under supervision of a faculty member. May be repeated up to a total of 12 credit hours.
441/841M Public Personnel Management (3) A study of the personnel process in American government administrative system. The processes and problems of recruiting, structuring, and operating public bureaucracies are examined as well as problems in personnel leadership, neutrality, accountability and performance. Prereq: For 441V, P.A. 317, junior standing. For 841M, P.A. 317.
443/843M Municipal Administration (3) The administrative structure and management practices of American cities covering such areas as finance, personnel, public works, public safety, health, utilities, and planning. Prereq: For 443, Pol Sci 301, junior standing. For 843M, Pol Sci 301.
800V Seminar in The Research Methods of Political Science and Public Administration (3) A critical investigation of the methods of political science and public administration research (under political science.) Prereq: 317, permission of graduate advisor.
807V Survey of Public Administration (3) This course is designed for graduate students who have had no undergraduate course in public administration. Prereq: 317.
810V Seminar in Public Administration (3) An in-depth study of the relationship between the art and science of public administration, on the one hand, and the processes of government as practiced at the state, local, and federal levels, on the other. Based principally on broad categories of political and administrative issues as they come up in other classes or in public policy. Prereq: Permission of graduate advisor.
830V Seminar in Public Policy Analysis (3) A study of the theoretical and empirical methods used in the study of public policy in terms of adminis­
I. 890V ENT STATUS OF CHARACTER OF LEGAL PROCESSES IN GOVERNMENT

In view of the principal elements of the role and work and/or experience in the topical area, with special emphasis on structure of planning and/or experience in the field. Prerequisite: Graduate standing.

II. 894V Research in Public Administration (1-3)
The course is designed for advanced students in public administration. It is especially suited for those in career students who have taken advanced core course work in the field, and who might profit more by indepth research on a problem of public administration rather than additional classroom courses. Prerequisite: 15 hours graduate work in public administration and permission of faculty advisor.

III. 893U-804U Internship (3 per sem) Maximum of 6 to 12 credits upon completion of written report on internship. Internship in some government, national, state, or local. Prerequisite: All course work for the M.P.A. completed.

Secondary/Post-Secondary Education

105 840V Seminar in Mathematics Education (3) A study of the implications of recent research and developments in mathematics curricula. Prerequisite: Graduate standing and permission of instructor.

106 851V Seminar in Mathematics Education (3) Designed to acquaint social studies teachers with new methods and new materials. Students will develop criteria for the evaluation of materials from recent curricula. Prerequisite: Graduate standing.

107 852V Materials Laboratory for The Social Studies (3) Designed to acquaint social studies teachers with new methods and new materials. Students will develop criteria for the evaluation of materials from recent curricula. Prerequisite: Graduate standing.

855V Seminar in Instructional Development (3) This course is intended for social studies teachers who are interested in implementing the implications of recent research and developments in instructional design. Prerequisite: Graduate standing and permission of instructor.

109 890V Advanced Topics in Public Administration (1-3) A seminar on selected topics based upon the current standards of graduate students in selected topics. Normally taught by outstanding professionals in the field. Prerequisite: Graduate standing, permission of instructor, prior coursework in public administration. Prerequisite: Graduate standing and permission of instructor.

110 899V Advanced Topical Studies in Public Administration (1-3) A seminar on selected topics based upon the current standards of graduate students in selected topics. Normally taught by outstanding professionals in the field. Prerequisite: Graduate standing, permission of instructor, prior coursework in public administration. Prerequisite: Graduate standing and permission of instructor.

900 890V Problems: Post-Secondary/Higer Education (3) This course surveys the historical development of research in higher education in the United States. Its major focus is on the problems and issues confronting postsecondary/higher education in the topological universe. Prerequisite: Graduate standing and permission of instructor.

901 890V Special Studies (1-3) A series of intensive courses especially for teachers in service-researching and teaching electronic seminars, or workshops, according to purpose.

902 890V Research Project (1-3) Individual or group study and analysis of specific problems in schools of business and the social sciences. May include surveys, case studies, student projects, research in school finance, transportation, school building construction and maintenance, research in social science and population research. Prerequisite: Permission of instructor.
ods, materials, philosophy, and emphasis in training which are characteristic of these programs.

865V Science Education Seminar (3) A graduate seminar in science education emphasizing research, newly developed science curricula, innovative student learning techniques, and classroom applications. Prereq: Admission to the graduate program in social work or permission.

866V Supervision in Social Work (3) To provide the graduate social work student with an understanding of the legal aspects of social work. Prereq: SW 805 or permission.

867 Social Work in the Juvenile Justice System (3) To provide the graduate social work student with an understanding of the social work practice with juvenile offenders. Prereq: SW 805 or SW 850/852/854.

868 Social Work in Mental Health (3) To provide the graduate social work student with an understanding of the social work practice with mental health clients. Prereq: SW 805 or SW 850/852/854.

868V Social Work in Child Welfare (3) The course is designed to provide the student an understanding of the social work practice with juvenile offenders. Prereq: SW 805 or SW 850/852/854.

880 Topical Seminar in Social Work (2-4) Advanced topics and experience in social work practice. Prereq: SW 814 or SW 817, or permission. Specifics will be announced when the course is offered. The topics selected will be consistent with faculty expertise and social work practice.
dent needs. This course may be repeated for up to nine credit hours. Prereq: Permission.

**Special Studies and Social Welfare Research Courses**

980 Special Studies in Social Welfare (1-3 credit hours) (1) A special study of a selected area of social welfare beneficial to the student's personal or professional growth, depending on the student's area of interest. Prereq: Permission.

984 Utilization of Research in Social Work (3) Emphasis on the utilization of research in social work practice. Prereq: SW 820 or permission.

989 Research on Areas Other Than Thesis (3) Students prepare a research proposal, carry out the proposed research, and report their findings. Prereq: SW 392 or 894 or permission. 

990 Master's Thesis (6) Under the supervision of the thesis instructor and the thesis committee, the student will complete a thesis research project. Prereq: SW 890 or equivalent or permission.

**Sociology**

**Anthropology**

430/830M Urban Anthropology (3) The course is intended to examine the city from an anthropological perspective. This includes an overview of its history and the processes by which people grow and develop as urban institutions and processes within the city. The course will cover topics related to the urban environment, social and economic issues, and urban sociology.

455/855M Deviant Behavior (3) A course on the family as a social institution outlining the essential functions it provides for its members and society. This course analyses the nature of families and compares them to other societies. Prereq: SW 301 or 403 and 301 or 801M, permission of the instructor.

482/882M Urban Sociology (3) Students will work with the instructor on projects designed to increase the student's understanding of urban processes. Prereq: Sociology 101 or 403, or permission of the instructor.

**Sociology**

410/810M Social Control of Behavior (3) The social processes by which behavior is regulated. Prereq: 403 or 801M, permission of the instructor.

415/815M American Family Problems (3) A theoretical analysis of the family as a social institution outlining the essential functions it provides for its members and society. This course analyzes the nature of families and compares them to other societies. Prereq: 403 or 801M, permission of the instructor.

416/816M The Craft of Sociology (3) Sociology major seminar including prior learning and content of sociology. Prereq: For 416, 9 hours of sociology and 301. For 816M, permission of the instructor.

420/820M Theoretical integration (3) A theoretical analysis of the family as a social institution outlining the essential functions it provides for its members and society. This course analyzes the nature of families and compares them to other societies. Prereq: 403 or 801M, permission of the instructor.

421/821M Cultural Anthropology (3) Arts, science, culture, and institutions. Prereq: Sociology 101 or 403 and permission of the instructor.

424/824M American Archaeology (3) American Indian culture history in North America, with emphasis on the peopling of the New World, origin and development of new ways of life in human societies. Prerequisites: will be determined by the instructor.

427/827M Psycholinguistics (3) A discussion of the literature concerned with how such psycho- logical variables as perception, learning, memory, and development relate to the concepts of language and the organization of language and the development of language.
181V-884V Interdisciplinary Seminar On The Urban Community (3-6) An interdisciplinary seminar course on the metropolitan community in which various dimensions of urban life are considered. The course is designed for undergraduates and graduate students preparing to be teachers of the hearing impaired. Prereq: 884V or 885V.

185V Seminar in Social Gerontology (3-6) A seminar dealing with a topic relating to the sociology of aging. Students participate in the process of identifying problems and developing research projects. Prereq: Graduate standing or permission of instructor.

186V Seminar in Social Organization (3-6) An advanced seminar in the sociology of social organization. The seminar will deal with social organization in America, culture and society, and the social organization of the family. Prereq: 1871V or permission of instructor.

1871V Population Seminar (3) The significance of differences from place to place in the number and kind and characteristics of human inhabitants and changes through time. Prereq: Graduate standing or permission of instructor. (Same as Geography 871V)

1880 Independent Study In Topics On Urbanism (1-3) Graduate student research on an individual basis under the supervision of an instructor. The student will develop skills in independent research and planning. Prereq: Undergraduate major in sociology and permission of special studies instructor. Prereq: Graduate standing or permission of instructor. (Same as Geography 8781)

1891V Speech for the Deaf I (3) This course is designed for students preparing to be teachers of the hearing impaired. The course is designed for undergraduates and graduate students preparing to be teachers of the hearing impaired. Prereq: 421/821.

421/821V Teaching of Speech to the Deaf I (2) An introduction to the considerations involved in teaching speech to the deaf. The course is designed for undergraduates and graduate students preparing to be teachers of the hearing impaired. Prereq: 421/821.

860V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

861/881V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

862/882V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

863/883V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

864/884V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

865/885V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

866/886V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

867/887V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

868/888V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

869/889V Seminar in Social Gerontology (3-6) An examination of the theoretical bases of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

870V Seminar in Sociological Theory (3-6) An advanced seminar in sociological theory. The seminar will deal with the theoretical basis of the study of aging and the impact of social changes on the elderly. Prereq: Graduate standing or permission of instructor.

871V Population Seminar (3) The significance of differences from place to place in the number and kind and characteristics of human inhabitants and changes through time. Prereq: Graduate standing or permission of instructor. (Same as Geography 871V)

872V Seminar in Social Gerontology (3-6) An advanced seminar in the sociology of social gerontology. The seminar will deal with social gerontology in America, culture and society, and the social organization of the family. Prereq: Graduate standing or permission of instructor. (Same as Geography 872V)

873V Seminar in Social Gerontology (3-6) An advanced seminar in the sociology of social gerontology. The seminar will deal with social gerontology in America, culture and society, and the social organization of the family. Prereq: Graduate standing or permission of instructor. (Same as Geography 873V)

874V Seminar in Social Gerontology (3-6) An advanced seminar in the sociology of social gerontology. The seminar will deal with social gerontology in America, culture and society, and the social organization of the family. Prereq: Graduate standing or permission of instructor. (Same as Geography 874V)

875V Seminar in Social Gerontology (3-6) An advanced seminar in the sociology of social gerontology. The seminar will deal with social gerontology in America, culture and society, and the social organization of the family. Prereq: Graduate standing or permission of instructor. (Same as Geography 875V)
466/866M Vocational Training for the Mentally Retarded (3) Concerned with the vocational training of the Mentally Retarded from various perspectives. Prereq: individual: the community or school or training center; the employer; and the retarded person. Interaction with agencies that deal with vocational training, projects, and services. The course will be in the format of the course. Prereq: SPED 460/860M.

800M Social Development of Children and Youth (3) An introduction to psychological, biological, and environmental factors that affect social-emotional development of children and adolescents. An overview of classroom organization and day-today management. The study and analysis of specific problems. (3) Prereq: SPED 813V. 

814V Measurement and Evaluation of Reading (3) A course for advanced students in reading who are interested in establishing a necessary training for establishing and operating a reading laboratory (reading and accepting referrals, formative evaluation, preparing individualized remedial instructional materials. The second semester of reading ability and remediation). Prereq: SPED 814V.

815V Clinical Practice in Reading (3) A laboratory course in experimental teaching and clinical practice in reading which will provide them with practice in reading training methods in order that they might qualify as reading specialists. Prereq: SPED 814V.

834V Pediatric Audiology (3) The course is designed for professionals in speech pathology and audiology and for those interested in the field of the deaf. The purpose of the course is to introduce a problem-solving approach. Application of the development of the understanding of human hearing and the role of audiological techniques for the testing and assessment of hearing loss in children and known children. A discussion of common problems and themes commonly found in children will be stressed. Prereq: SPED 437.

837M Hearing Disorders (3) This course will focus on the problems caused by disease processes, congenital factors, and certain environmental factors which affect the normal process of audition. Approaches to Audiological training and remediation techniques will be discussed. Prereq: SPED 437.

842V Advanced Studies in The Disorders or Voice (3) Prerequisites: Audiology, and a minimum of 45 clock hours of work is required for each semester of closely supervised practicum and a pass/fail grade. Prereq: SPED 437.

852V Advanced Clinical Practicum (3) The course is designed for graduate students majoring in speech pathology and audiology. The purpose of the course is to give graduate students who need more than one semester of practicum experience necessary practice and opportunity to get this experience before being placed in a setting away from the university. (F.S,S,S) Prereq: SPED 437 or SPED 454 or equivalent.

853V Seminar in Communication Disorders (3) This seminar is designed to expose students to the problems of communication by which the child with a cleft of the palate is confronted. Developing competencies for remediation of the child with a cleft palate will be the primary aim of the course. (F.S) Prereq: 854V.

854V Analytical Speech for Children (3) Problems of voice and speech rehabilitations for the individual without a functional larynx; social, emotional, and medical needs; as well as clinical procedures for scaphoid, pharyngeal, and buccal speech problems. The study of artifical larynx: current research pertinent to this area. (F) Prereq: Graduate standing and 6 hours speech pathology courses including voice problems.

856V Speech Problems of Cerebral Palsied Children (3) Identification of types of cerebral palsy by a lesion of motor, sensory, and additional handicaps: the role of the speech clinician on the team; types of speech therapy, with special emphasis on rehabilitative training. Current research and controversial issues will be discussed. (S) Prereq: SPED 437.

861V Teaching Severely/Profoundly Handicapped (3) The course is designed to meet the needs of teachers, special educators, and students in graduate courses in special education. Skills and techniques needed in the education and training of the severely and profoundly handicapped. Since the problems of educating the severely and profoundly handicapped are not limited to public school settings, it is designed to be used in teacher education, inservice education, and for students desiring to work for a degree. Prereq: SPED 460/860M.

864V Theoretical Approaches to Teaching The Developmentally Disabled Child (3) This is an advanced methods course designed for those majoring in Speech and Language Pathology and Audiology. The emphasis is on special education techniques and educational needs of children who are mentally handicapped. (2) Prereq: SPED 437.

867V Community Services for The Handicapped (3) An introduction to community and regional resources providing services to the handicapped. Program goals, objectives, activities, manpower needs, and interrelationships with related programs, administration of services, financing, and policy settings are studied for each agency. (2) Prereq: SPED 860M.

871V Parent-Professional Relationships in Special Education (3) This course is designed to expose students to the problems of identifying both family and professional concerns, and a student project in one of four ar-
872U Basic Practicum in Special Education (3 or 5) Classroom experiences with exceptional children for graduate students who have had other professional experiences. Students will participate in observation, participation, teaching, and a weekly seminar (F,S,Su).

873U Advanced Practicum in Special Education (3 or 5) Designed for master of participation in various clinical or classroom situations in the field of special education. The course is open to all students in all areas of special education. Assignments will be made according to the area of interest of the student. (F,S) PreReq: Master's degree and acceptance in the ed spec program.

872V Basic Observation and Student Teaching in Special Education (3 or 5) Classroom experiences with exceptional children for graduate students who have had other professional experiences. Students will participate in observation, participation, teaching, and a weekly seminar (F,S,Su).

873V Advanced Observation and Student Teaching in Special Education (3 or 5) A second semester of classroom experience with exceptional children for graduate students who have had other professional experiences. Students will participate in observation, participation, teaching, and a weekly seminar. (F,S,Su) PreReq: 872V.

885V Basic Diagnosis of Learning Deficits (3) A diagnostic course for graduate students who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

889V Clinical Teaching in Learning Disabilities (3) A theoretical and practical laboratory course for graduate students who have had at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

899V City College Research in Reading (3) A seminar course for graduate students who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

918 Seminar in Research in Reading (3) A seminar course for graduate and post-graduate students relating to in-depth studies of significant, recent research in reading with appropriate application of instructional procedures which may be undertaken. Each student will conduct self-assessment and research and present the results of their research to other class members for comment and evaluation. PreReq: One graduate reading course (or equivalent). FED 801 (or equivalent), and permission.

919 Topical Seminar in Reading (3) Participation is limited to individuals who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

989V City College Research in Reading (3) A seminar course for graduate students who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

997V Clinical Teaching in Learning Disabilities (3) A theoretical and practical laboratory course for graduate students who have had at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

999V City College Research in Reading (3) A seminar course for graduate students who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

885V Basic Diagnosis of Learning Deficits (3) A diagnostic course for graduate students who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

889V Clinical Teaching in Learning Disabilities (3) A theoretical and practical laboratory course for graduate students who have had at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

918 Seminar in Research in Reading (3) A seminar course for graduate and post-graduate students relating to in-depth studies of significant, recent research in reading with appropriate application of instructional procedures which may be undertaken. Each student will conduct self-assessment and research and present the results of their research to other class members for comment and evaluation. PreReq: One graduate reading course (or equivalent). FED 801 (or equivalent), and permission.

919 Topical Seminar in Reading (3) Participation is limited to individuals who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

989V City College Research in Reading (3) A seminar course for graduate students who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

997V Clinical Teaching in Learning Disabilities (3) A theoretical and practical laboratory course for graduate students who have had at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.

999V City College Research in Reading (3) A seminar course for graduate students who have completed the Master's Degree in Education and have at least 9 graduate credit hours in reading and who are professional teachers in the field of reading education. The major emphasis of the course is the opportunity for instructional procedures which may be undertaken. Each student will conduct self-assessment and research on the reading difficulties of exceptional readers. Graduates students who have successfully completed SPED 895 (Basic Diagnosis) and SPED 897 (Clinical Teaching) will be eligible to enter SPED 896. (F,S) PreReq: SPED 895 and SPED 897.
Faculty and Administration

GRADUATE FACULTY

ROBERT L. ACKERMAN ............ Elementary and Early Childhood Education
Ed.D., University of Nebraska-Lincoln, 1966; Professor

PAUL B. ACKERSON .............. Secondary/Post-Secondary Education
Ed.D., Oklahoma State University, 1965; Professor

JAMES C. AKERS ................. Special Education
Ed.D., Oklahoma State University, 1969; Associate Professor

LARRY ALBERTSON ............... Health, Physical Education & Recreation
Ed.D., University of Georgia, 1973; Associate Professor

DAVID M. AMBROSE .......... Marketing
B.A., Georgetown University, 1971; Associate Professor

DANIEL ANDERBERG ....... Sociology
Ph.D., University of Nebraska-Lincoln, 1964; Associate Professor

DOUGLAS A. ANDERSON .... Communication
Ph.D., Southern Illinois University, 1977; Assistant Professor

SUNNY ANDREWS .......... Social Work
Ph.D., Johns Hopkins University, 1973; Associate Professor

AARON ARMFIELD ............... Special Education
Ed.D., University of Northern Colorado, 1964; Professor

WALTER M. BACON, JR. .... Political Science
Ph.D., University of Denver, 1974; Assistant Professor

BRUCE P. BAKER, JR. ........ English
Ph.D., Harvard University, 1968; Professor

GEORGE W. BARGER .......... Sociology
Ph.D., University of Missouri-Columbia, 1964; Professor

NICHOLAS BARISS .......... Geography and Geology
Ph.D., Clark University, 1967; Professor

CLYDE BASSETT .......... Drama and Theatre
Ph.D., University of Wisconsin, 1965; Professor

GORDON M. BECKER (GF) ....... Psychology
Ph.D., University of Pittsburgh, 1955; Professor

RONALD S. BEER ............ Educational Administration and Supervision
Ph.D., Kent State University, 1989; Associate Professor

JOSEPH Y. BENNET ............. Civil Engineering
Ph.D., University of Illinois-Urbana, 1967; Professor

ROBERT W. BENNETTE .. Banking and Finance
D.B.A., University of Colorado-Boulder, 1966; Professor

KRIS E. BERG .............. Health, Physical Education and Recreation
Ed.D., University of Missouri-Columbia, 1973; Associate Professor

ROGER M. BERG ............. Elementary and Early Childhood Education
Ph.D., Northwestern University, 1972; Associate Professor

JOSEPH BERTINETTI ............ Counseling and Guidance
Ph.D., University of Nevada-Reno, 1972; Associate Professor

JOHN V. BLACKWELL .......... Art
Ph.D., University of Iowa, 1957; Professor

RICHARD A. BLAKE ............ Counseling and Guidance
Ed.D., University of Missouri-Columbia, 1966; Professor

BILL BLASEK ............. History
Ph.D., University of North Carolina, 1977; Visiting Assistant Professor

WILLIAM BLIZEK (GF) ....... Philosophy and Religion
Ph.D., University of Missouri-Columbia, 1970; Associate Professor

CHRISTOPHER BOLTON (GF) .... Gerontology
Ph.D., University of Oklahoma, 1974; Assistant Professor

JUDITH E. BOSS .......... English
Ph.D., Texas Christian University, 1971; Assistant Professor

LAWRENCE A. BRADSHAW ........ Art
M.F.A., Ohio University, 1973; Assistant Professor

THOMAS BRAGG ............. Biology
Ph.D., Kansas State University, 1974; Associate Professor

M. JEAN BRESILIER .......... English-Secondary/Post-Secondary Education
Ph.D., University of Nebraska-Lincoln, 1965; Associate Professor

JOHN L. BRICKELL .......... Educational Foundations
Ph.D., University of Oregon, 1973; Assistant Professor

JOHN K. BRILHART (GF) .... Communication
Ph.D., Pennsylvania State University, 1962; Professor

NAOMI BRILL .......... Social Work
M.A., Columbia University, 1938; Associate Professor

EYAN L. BROWN (GF) .......... Psychology
Ph.D., University of Washington, 1969; Associate Professor

WILLIAM M. BROWN .......... Marketing
Ph.D., University of Pittsburgh, 1977; Professor

BARBARA E. BUCHALTER .......... Mathematics and Computer Science
Ph.D., University of Arizona, 1968; Professor

SIDNEY BUCHANAN .......... Art
M.A., New Mexico Highlands University, 1963; Associate Professor

DAVID M. BUEHLMANN .......... Accounting
Ph.D., University of Illinois, Urbana, 1975; Associate Professor

UNIVERSITY OF NEBRASKA AT OMAHA 117
JAMES B. JOHNSON :: Political Science
Ph.D., Northwestern University, 1972; Assistant Professor

JAMES L. JOY :: Economics
Ph.D., University of Denver, 1971; Associate Professor

ANTHONY JUNG :: Foreign Languages and Literature
Ph.D., University of Illinois-Urbana, 1972; Associate Professor

LEE A. KALLSTROM :: Special Education
Ph.D., University of Arizona, 1970; Associate Professor

JOHN K. KARLOF :: Mathematics and Computer Science
Ph.D., University of Colorado-Boulder, 1970; Associate Professor

JOHN C. KASHER (GF) :: Physics
Ph.D., Boston College, 1970; Associate Professor

MICHAEL KATZ (GF) :: Educational Foundations
Ph.D., Stanford University, 1974; Assistant Professor

DARRELL F. KELLMAN :: Educational Administration and Supervision
Ed.D., University of Kansas, 1964; Professor

ERNEST I. KEMNZT (GF) :: Chemistry
Ph.D., University of Nebraska-Lincoln, 1971; Assistant Professor

C. ROBERT KEPEL :: Chemistry
Ph.D., Massachusetts Institute of Technology, 1959; Professor

JOHN KERRIGAN (GF) :: Public Administration
Ph.D., University of Colorado, 1975; Professor

THOMAS R. KIDD :: Health, Physical Education and Recreation
Ed.D., University of Oregon, 1970; Associate Professor

BRUCE A. KIRCHHOFF (GF) :: Management and Organizational Behavior
Ph.D., University of Utah, 1972; Associate Professor

KENT KIRWIN (GF) :: Political Science
Ph.D., University of Chicago, 1970; Associate Professor

ERZA KOHN :: Social Work
Ph.D., University of Nebraska, 1972; Associate Professor

BERNARD D. KOLASA :: Political Science
Ph.D., University of Nebraska-Lincoln, 1969; Assistant Professor

PATRICIA KOLASA :: Educational Foundations
Ph.D., University of Kansas, 1973; Assistant Professor

JOHN KONVALINA :: Mathematics and Computer Science
Ph.D., State University of New York at Buffalo, 1975; Associate Professor

ROBERT A. MORTENSEN :: Secondary Education
Ph.D., University of Minnesota, 1970; Associate Professor

SUZANNE E. MOSSHER :: Biology
Ph.D., University of Chicago, 1972; Assistant Professor

WOODROW L. MOST :: Foreign Languages and Literature
Ph.D., Laval University, 1953; Professor

RONALD C. MULLEN :: Music
M.S., Juilliard School of Music, 1959; Associate Professor

GORDON MUNDELL :: English
Ph.D., The University of Rochester, 1973; Assistant Professor

KIRK E. NAYLOR :: Educational Administration and Supervision
Ed.D., University of Kansas, 1953; Professor

SUFI M. NASEF (GF) :: Decision Sciences
Ph.D., Manchester University, 1970; Associate Professor

JOHN K. NEWTON (GF) :: Psychology
Ph.D., Ohio State University, 1955; Professor

DONALD A. NIELSEN :: Real Estate and Land Use Economics
Ph.D., Syracuse University, 1970; Associate Professor

TOM NORDWOOD :: Secondary Education
Ph.D., University of Nebraska, 1975; Assistant Professor

W. BOYD LITTRELL :: Sociology
Ph.D., New York University, 1974; Associate Professor

DAVID G. LOW (GF) :: Music
D.M., Northwestern University, 1973; Associate Professor

NORMAN J. LUNA :: Foreign Languages and Literature
Ph.D., University of Colorado-Boulder, 1969; Associate Professor

STEELE R. LUNT :: Biology
Ph.D., University of Utah, 1964; Professor

DAUNE MAYS :: Music
D.M., Indiana University, 1978; Assistant Professor

HARRIET B. MAJESKI (GF) :: Art
M.F.A., University of Iowa, 1963; Professor

JOHN P. MALONEY :: Mathematics and Computer Science
Ph.D., Georgetown University, 1965; Professor

ROBERT L. MATHIS (GF) :: Management and Organizational Behavior
D.B.A., University of Colorado-Boulder, 1972; Associate Professor

MICHAEL T. MCGRATH :: Education
Ph.D., University of Nebraska, 1975; Assistant Professor

ORVILLE D. MENARD (GF) :: Political Science
Ph.D., University of Nebraska-Lincoln, 1964; Professor

C. RAYMOND MILLIMET (GF) :: Psychology
Ph.D., Oklahoma State University, 1968; Professor

JOYCE MINTIER :: Management and Organizational Behavior
Ed.D., Indiana University, 1967; Professor

LEO E. MISSINNE (GF) :: Gerontology
Ph.D., Lehigh University, 1963; Professor

J. STEVE MONTAGNE :: Mathematics and Computer Science
Ph.D., University of Illinois-Urbana, 1967; Assistant Professor

ROBERT A. MORTENSEN :: Secondary Education
Ph.D., University of Wisconsin-Madison, 1973; Assistant Professor

ROBERT J. O'REILLY (GF) :: Educational Administration and Supervision
Ed.D., University of Kansas, 1962; Professor

G. B. OLENSON :: Counseling and Guidance
Ph.D., University of Nebraska, 1970; Associate Professor

GAYLON L. OSWALT (GF) :: Psychology
Ph.D., University of Nebraska-Lincoln, 1972; Assistant Professor

ROBERT J. OTTENBERG (GF) :: Management and Organizational Behavior
Ph.D., University of Nebraska-Lincoln, 1974; Associate Professor

RICHARD A. OVERFIELD :: History
Ph.D., University of Maryland, 1968; Associate Professor
KENNETH BERRY .................................... Psychology
Ph.D., Texas Christian University, 1964; Associate Professor of Medical Psychology
KAREN S. BUDD .................................... Psychology
Ph.D., University of Kansas, 1975; Assistant Professor
ROBERT J. ELLINGSON (GF) ....................... Psychology
Ph.D., Northwestern University, 1950; M.D., University of Nebraska-Lincoln, 1965; Professor
ALAN J. FIX .................................... Special Education
Psychology
Ph.D., SUNY at Buffalo, 1969; Assistant Professor
CHARLES GOLDEN (GF) .............................. Psychology
Ph.D., University of Hawaii, 1975; Assistant Professor
J. MICHAEL LEIBOWITZ (GF) ..................... Psychology
Ph.D., University of Maryland, 1974; Associate Professor
CORDelia ROBINSON ................................. Psychology
Ph.D., George Peabody College for Teachers, 1972; Associate Professor
JACK A. STARK .................................... Psychology
Ph.D., University of Nebraska, 1973; Assistant Professor
FRED STRIDER (GF) .................................. Psychology
Ph.D., University of Nebraska-Lincoln, 1961; Associate Professor
WILLIAM D. WOOD ................................. Psychology
Ph.D., University of North Carolina, 1967; Assistant Professor

GRADUATE FACULTY MEMBERS

(Joint Appointment with College of Medicine)

CAROL R. ANGLE .................................. Psychology
M.D., Cornell University Medical College, 1951; Associate Professor

UNIVERSITY OF NEBRASKA AT OMAHA

Administrative Staff

Robert L. Ackerman ................................. Chairperson, Elementary and Early Childhood Education

David M. Ambrose .................................. Chairperson, Nebraska Business Development Center

Aaron Arntfield .................................... Chairperson, Special Education

Clyde Bassett ..................................... Chairperson, Dramatic Arts

Otto F. Bauer ..................................... Vice Chancellor for Academic Affairs

Ronald S. Beer .................................... Vice Chancellor, Educational and Student Services

Joseph V. Benk .................................... Chairperson, Civil Engineering

Vic Blackwell ...................................... Chairperson, Art

David Buchmann ................................... Chairperson, Accounting

Hobart Burch ..................................... Director, School of Social Work

Robert R. Butler ................................... Chairperson, Guidance & Counseling

Gary L. Carrico .................................... Chairperson, Business and Finance

J. Brad Chapman ................................. Chairperson, Management & Organizational Behavior

Hugh P. Cowdin ................................... Chairperson, Communication

Harold Davis ...................................... Acting Director, Industrial Systems Tech.

Joe Davis ......................................... Asst. Vice Chancellor, Student Development Services

William A. deGraw ................................ Chairperson, Biology

Michael M. Delaney ............................... Chairperson, Insurance

Donald A. Deppe .................................. Director, Center for Applied Urban Research

Robert Deitsch .................................... Chairperson, F. English

Richard C. Duggin ................................ Chairperson, Writers Workshop

Rex C. Engebretson ............................... Asst. to the Chancellor for Planning

John T. Farr ....................................... Chairperson, Physics

John W. Flocken .................................. Chairperson, Mathematics & Computer Science

Richard B. Flynn .................................. Director, School of Health, Phys. Ed. & Rec.

Frank S. Forbes ................................... Chairperson, Law & Society

Margaret Gessman ................................. Chairperson, International Studies & Programs

Thomas Goutierre ................................ Director, Real Estate

Donald R. Hakala ................................. Chairperson, Banking and Finance

Alan S. Hackel .................................... Dean, College of Continuing Studies

Mary R. Hall ...................................... Asst. Dean, College of Business & Economics

Gorden D. Hansen ............................... Asst. Dean, College of Arts & Sciences

Roger Hayen ...................................... Dean, College of Decision Sciences

Charles Hein ...................................... Exec. Asst. to the Chancellor & Director of University Relations

Shelton Hendricks ................................ Chairperson, Psychology

Elaine Hext ...................................... Asst. Vice Chancellor for Academic Affairs

Jack Hill .......................................... Chairperson, General Business

David W. Hinton ................................... Dean, College of Public Affairs & Community Service

Roger Hoburg ...................................... Chairperson, Chemistry

William Hone ...................................... Chairperson, Economics

David E. Kapel .................................... Chairperson, Engineering

Darrell F. Kellams ................................ Chairperson, Educational Administration

John E. Kerrigan ................................. Dean, College of Public Affairs & Community Service


Kent Kirwan ...................................... Chairperson, Political Science

Julie Lafontant .................................... Chairperson, Business

Donald E. Leahy .................................. Director, Intercollegiate Athletics

Jim Leslie ......................................... Alumni Association

W. Boyd Littrell ................................... Chairperson, Sociology

JoAnne Lofton ................................... Acting Director, Athletics

James Maynard .................................... Chairperson, Institutional Research

Kenneth G. Merkley ............................... Chairperson, Industrial Systems Tech.

John A. Moore .................................... Asst. Vice Chancellor for Business & Director of Finance

Woodrow Moss .................................... Dean, College of Foreign Languages

John Newton ...................................... Dean, College of Arts & Sciences

Donald Nitches ................................... Chairperson, Real Estate

Tom Norwood .................................... Asst. Dean, College of Education
Donald Skraban, Asst. to the Vice Chancellor for Edu. & Student Services
& Director of Student Center

Charles Smith, Chairperson,
General Engineering

Willa Stephenson, Director,
Goodrich Program

Dale A. Stover, Chairperson,
College of Business Administration

Gary Atkinson, Chairperson,
Philosophy & Religion

Larry R. Trussell, Acting Dean,
College of Business Administration

Gardner Van Dyke, Asst. Vice Chancellor,
Student Academic Services

Philip Vogel, Chairperson,
Geography-Geology

Floyd T. Waterman, Director,
Center for Urban Education

Vincent Webb, Chairperson,
Criminal Justice

Del D. Weber, Chairperson,
Chancellor

Raymond Ziebarth, Chairperson,
Secondary/Post-Secondary Education

Joe Seger, Chairperson,
Phil-Religion/Humanities

INDEX

A
Absences from class................................. 16
Accredited standing............................... 19
Administrative officers......................... 9
Admission requirements........................ 12
Unconditional...................................... 12
Non-degree......................................... 12
Temporary.......................................... 15
C
Calendar for 1978-79................................. 5
Candidacy for degree.............................. 14
Center for Urban Education...................... 27
Certificate
English........................................... 42
Gerontology...................................... 43
Geography-Geology............................. 43
School Psychologist.............................. 49
Teacher............................................. 15
Class Attendance................................. 16
Commencement Exercises (consult calendar).... 6
Comprehensive examinations.................... 14
Courses for Graduate credit..................... 18
Course offerings (consult table of contents- course descriptions)...... 3
D
Degree programs.................................. 10
Degree Requirements (consult table of contents)..... 3
Departments offering graduate instruction....... 1
Dropping courses................................ 17
E
Equal Opportunity/Affirmative Action Policy Statement. 9
Examinations for Graduate Students................ 9
Graduate Record Examination................... 11
Admission Test for Graduate Management Study........................................... 12
The Test of English as a Foreign Language........................................... 12
Miller Analogies Test............................ 12
Entrance Grants................................... 26
F
Faculty, Graduate................................. 117
Faculty Senate Research Committee............. 77
Fees................................................. 19
G
Grades, standard of............................... 15
Graduate Assistantships......................... 24
Graduate Council................................. 24
Graduate Faculty Fellow........................ 25
Graduate Faculty Members....................... 25
Graduate Management Admissions Test......... 25
Graduate Program Committees................... 25
Graduate Record Examination................... 25
Graduate Studies History and Purpose........... 25
Incomplete Policy............................... 25
L
Late Registration (consult calendar)............. 5
Load, study...................................... 17
Loans............................................ 24
M
Master of Arts Degree........................... 10
Master of Arts for Teachers of Mathematics Degree................. 10
Master of Business Administration Degree........ 10
Master of Public Administration Degree........ 10
Master of Science Degree....................... 10
Master of Social Work Degree................... 10
Matriculation Fee................................. 11
Miller Analogies Test............................ 12
N
Non-degree Areas................................. 64
Non-degree students............................. 12
Non-residents of Nebraska....................... 31
O
Ombudsman....................................... 17
Oral Examination on Thesis...................... 15
Omicron Delta Epsilon, National Economics Honorary................. 15
P
Phi Delta Gamma, Women's Graduate Sorority................. 25
Phi Delta Kappa, Men's Graduate Education Fraternity................. 25
Plagiarism, statement on........................ 27
Policy on Ethical Conduct........................ 27
Privacy Act...................................... 20
Procedures and Regulations...................... 28
Psych Chi, National Psychology Association... 23
Q
Quality of Work.................................. 15
R
Refunds.......................................... 20
Registration, procedure......................... 13
Refunds for (consult calendar).................... 13
Minority Student
Fees............................................. 19
Residence Requirements......................... 18
S
Scholarships..................................... 24
School Psychologist Program.................... 50
Specialist in Education Degree............... 38
Student Development Services................... 38
Study Load .......................................................... 17
T
Temporary Admission ......................................... 13
Text of English as a Foreign Language .................. 12
Thesis .................................................................. 14
Time Limit for Graduate Degrees ......................... 18
Transcripts of undergraduate and graduate
credit for admission ............................................. 11
Transfer for Credit .............................................. 18
Traveling Scholar Program .................................. 24
Tuition and fees .................................................. 19
Tuition Waivers .................................................. 24
U
University Regulations ........................................ 10
W
Withdrawal ......................................................... 18