1968

Graduate Academic Catalog (June 1968-June 1969)

University of Nebraska at Omaha

Follow this and additional works at: http://digitalcommons.unomaha.edu/gradcatalogs

Part of the Higher Education Administration Commons

Recommended Citation
University of Nebraska at Omaha, "Graduate Academic Catalog (June 1968-June 1969)" (1968). Graduate Catalogs. 16.
http://digitalcommons.unomaha.edu/gradcatalogs/16
UNIVERSITY OF NEBRASKA
AT OMAHA
(formerly Municipal University of Omaha)

Bulletin of the
GRADUATE COLLEGE
June 1968 — June 1969

from 1908—1931—University of Omaha
from 1931—June 30, 1968—Municipal University of Omaha
from July 1, 1968—University of Nebraska at Omaha
OFFICIAL CALENDAR

SUMMER 1968

June 1
Last day for submitting applications for admittance to first summer session.

June 7-8
Registration.

June 10-July 12
First session.

June 11-Aug. 1
Evening session.

June 21
Theses due in Graduate Office.

July 2-3
Master's Comprehensive Examination.

July 4
Holiday. (University closed).

July 12
Last day for submitting applications for admittance to second summer session.

July 19
Last day for filing applications for degrees to be conferred August 31, 1968.

Second session.

FIRST SEMESTER 1968-69

September 1
Last day for submitting applications for admittance to first semester.

September 9-13
Registration.

September 16
Official beginning of first semester at 7:30 a.m. Day and evening classes begin.

September 16
Late registration begins.

September 20
Last day for registering for a day class or adding a day class to a schedule, up to 4 p.m. (or changing a day class from "audit" to "credit" or "credit" to "audit").

September 21
9 a.m. to 12 noon. Last day for registering for an evening class, or adding an evening class to a schedule (or changing an evening class from "audit" to "credit" or "credit" to "audit").

October 8
Founder's Day.

November 8
Last day a class may be dropped in order to receive a "W" or an "X."

November 8
Theses due in Graduate Office.

November 27
Thanksgiving recess begins at 9:40 p.m.

December 2
Classes resume at 7:30 a.m.

December 9
Last day for filing applications for degrees to be conferred in January 1969.

December 20
Christmas Convocation at 10 a.m.

December 21
Christmas Vacation begins at noon.

January 6, 1969
Classes resume at 7:30 a.m.

January 11
Master's Comprehensive Examination.

January 15
Last day for submitting applications for admittance to second semester.

January 14-21
Final Examinations.

January 23
All grades due in Registrar's Office by 3:30 p.m.

January 25
Mid-year Commencement 10 a.m. (Saturday).

SECOND SEMESTER 1968-69

January 27-31
Registration.

February 3
Official beginning of second semester at 7:30 a.m. Day and evening classes begin.

February 3
Late registration begins.

February 7
Last day for registering for a day class or adding a day class to a schedule, up to 4 p.m. (or changing a day class from "audit" to "credit" or "credit" to "audit").

February 8
9 a.m. to 12 noon. Last day for registering for an evening class, or adding an evening class to a schedule (or changing an evening class from "audit" to "credit" or "credit" to "audit").

Theses due in Graduate Office.

February 23
Last day a class may be dropped in order to receive a "W" or an "X."

March 28
Spring Vacation begins at 9:40 a.m.

April 2
Classes resume 7:30 a.m.

April 8
Last day for filing applications for degrees to be conferred in June 1969.

April 26
Master's Comprehensive Examination.

May 9
Ma-je Day—student holiday.

May 20-25
Final Examinations.

May 29
Alumni Achievement Day.

May 30
Memorial Day Holiday (University closed).

May 31
All grades due in Registrar's Office by 12 noon.

June 2
Sixtieth Commencement. (Monday).

SUMMER 1969

June 1
Last day for application for admission to Graduate College.

June 6-7
Registration.

June 9-July 11
First session.

June 10-July 31
Evening session.

June 21
Theses due in Graduate Office.

July 4
Holiday.

July 5-6
Master's Comprehensive Examination.

July 11
Last day for submitting applications for admission to second summer session.

Second Session.

July 14-Aug. 15
Last day for filing applications for degrees to be conferred August 31, 1969.
THE GRADUATE COLLEGE

GRADUATE RECORD EXAMINATION

Registration Deadlines          Testing Dates
June 13, 1968                   July 13, 1968
September 26, 1968              October 26, 1968
November 14, 1968               December 14, 1968
December 18, 1968               January 18, 1969
March 26, 1969                  April 26, 1969
June 12, 1969                   July 12, 1969

ADMISSION TEST FOR
GRADUATE STUDY IN BUSINESS

Registration deadlines and testing dates from Dr. Gale Oleson.

Students applying for admission must have on file in the Graduate Office the results of the GRE or the ATGSB, including the scores on area study examinations. Testing at OU is under the supervision of Dr. Gale Oleson, Director, Academic Testing Bureau, Administration Building 213.
# University of Nebraska at Omaha

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Education and Profession</th>
</tr>
</thead>
<tbody>
<tr>
<td>DONALD CUSHENBERY</td>
<td>Reading</td>
<td>Ed.D., University of Missouri, 1961; Professor; Director, Reading Clinic</td>
</tr>
<tr>
<td>HARL DALSTROM</td>
<td>History</td>
<td>Ph.D., University of Nebraska, 1965; Associate Professor</td>
</tr>
<tr>
<td>JOSEPH G. DUNN</td>
<td>Education</td>
<td>Ed.D., University of Missouri, 1959; Professor and Head, Department of Foundations and General</td>
</tr>
<tr>
<td>LAWRENCE E. EHLEN</td>
<td>Engineering</td>
<td>M.S., Kansas State University, 1956; Registered Professional Engineer; Associate Professor</td>
</tr>
<tr>
<td>RICHARD E. GIBSON</td>
<td>Engineering</td>
<td>M.S., University of Illinois, 1955; Registered Professional Engineer; Associate Professor</td>
</tr>
<tr>
<td>G. WAYNE GLIDDEN</td>
<td>Secondary Education</td>
<td>Ed.D., University of Nebraska, 1964; Professor</td>
</tr>
<tr>
<td>FRANK H. GORMAN</td>
<td>Education</td>
<td>Ph.D., University of Missouri, 1931; Professor; Dean Emeritus, College of Education</td>
</tr>
<tr>
<td>ERT J. GUM</td>
<td>History</td>
<td>Ph.D., Louisiana State University, 1965; Associate Professor</td>
</tr>
<tr>
<td>ROBERT D. HARPER</td>
<td>English</td>
<td>Ph.D., University of Chicago, 1949; Professor; Dean of the College of Liberal Arts and Sciences</td>
</tr>
<tr>
<td>GEORGE T. HARRIS</td>
<td>Finance</td>
<td>Ph.D., State University of Iowa, 1959; The Frederick W. Kaiser Professor of Finance</td>
</tr>
<tr>
<td>FORREST R. HAZARD</td>
<td>Foreign Languages</td>
<td>M.A., University of Nebraska, 1952; Assistant Professor</td>
</tr>
<tr>
<td>GEORGE C. HELLING</td>
<td>Sociology</td>
<td>Ph.D., University of Minnesota, 1950; Professor and Head of Department</td>
</tr>
<tr>
<td>WAYNE M. HIGLEY</td>
<td>Accounting &amp; Statistics</td>
<td>Ph.D., University of Illinois, 1962; C.P.A.; Professor</td>
</tr>
<tr>
<td>JACK A. HILL</td>
<td>Management</td>
<td>Ph.D., University of Texas, 1964; Professor</td>
</tr>
<tr>
<td>WILLIAM C. HOCKETT</td>
<td>Accounting</td>
<td>M.B.A., University of Denver, 1948; C.P.A.; Professor</td>
</tr>
<tr>
<td>LETA F. HOLLEY</td>
<td>Secretarial Science</td>
<td>Ed.D., University of Colorado, 1960; Professor and Head of Department</td>
</tr>
<tr>
<td>JAMES Q. HOSSACK</td>
<td>Engineering</td>
<td>M.S.C.E., University of Nebraska, 1959; Registered Professional Engineer; Associate Professor</td>
</tr>
<tr>
<td>FRANCIS M. HURST</td>
<td>Psychology</td>
<td>Ed.D., Indiana University, 1954; Professor</td>
</tr>
<tr>
<td>CHARLES O. INGHAM</td>
<td>Biology</td>
<td>Ph.D., University of Utah, 1963; Assistant Professor</td>
</tr>
<tr>
<td>D. F. KELLAMS</td>
<td>Education</td>
<td>Ed.D., University of Kansas, 1991; Associate Professor and Head, Department of Education Administration and Supervision</td>
</tr>
<tr>
<td>PAUL C. KENNEDY</td>
<td>Education Administration and Supervision, and Foundation and General</td>
<td>Ed.D., University of Kansas, 1956; Professor and Dean, College of Education</td>
</tr>
<tr>
<td>C. ROBERT KEPEL</td>
<td>Chemistry</td>
<td>Ph.D., Massachusetts Institute of Technology, 1958; Associate Professor</td>
</tr>
</tbody>
</table>
491 Internship in Local Government (same as Political Science 491) (L.L.) 2-6 hrs. 
Internship in Local Government offices: Participation in the policymaking and administrative processes of Local Government; discussions and reports. 
PREREQ: Pol. Sci. 110, 111, 301, 317 or their equivalents, and senior standing. 

499 Independent Study 
Guided reading in special topics under the supervision of a faculty member. 
PREREQ: Senior standing and permission of the instructor. 

501 Problems in Sociology, Seminar 1-1 hours per week or equivalent. 
This seminar, required of departmental graduate students, gives a basic orientation to the profession, its leading figures, publications, organizations, and university departments. It emphasizes critical discussion of issues in the discipline and the substantive problems of sociology. PREREQ: Permission of instructor. 

505 Seminar in Social Psychology 3-6 hours 
Assigned reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in social psychology selected by the instructor. 

510 Seminar in Applications of Sociology 2-3 hours 
Sociological theory and method applied to a problem of sociological relevance. 

511 Social Problems of the Disadvantaged 3 hours 
A survey of the social problems existing in disadvantaged communities. The effects upon individuals of such settings. The subculture of poverty. 

550 Topical Research Seminar 3-6 hours 
A complete research project carried out under the supervision of an instructor particularly qualified in the area of concern. Students participate in the background work, question formulation, selection of (or construction of) test instruments, data gathering by methods such as interviewing and participant observation, and analysis. 

555 Seminar in the Sociology of Religion 3-6 hours 
A seminar dealing with religion as a social and cultural phenomenon. The study theme will vary from time to time in keeping with the special interests of the instructor. 

560 Seminar in Social Organization 3-6 hours 
Assigning reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in social organization selected by the instructor. 

567 Seminar in Sociological Theory 3-6 hours 
Assigning reading, discussion, specialized individual work leading to the writing and presentation of a paper applicable to a general topic in sociological theory selected by the instructor. 

571 Population Seminar (same as Geography 571) (S) 3 hours 
The significance of differences from place to place in the number, kind, and quality of human beings and changes through time. 
PREREQ: Permission. 

580 Independent Study in Topics on Urbanism 1-3 hours 
Graduate student research on an individual basis under faculty supervision in topics pertaining to urbanism. 
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 political science. 

585 Interdisciplinary Seminar on the Urban Community 3-6 hours 
An interdisciplinary course in the metropolitan community in which various departmental and college offerings concerned with urban problems are put in broad interrelated form. 
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 political science. 

455 Practicum in Applied Sociology 3 hours 
A practical work experience under supervision which provides opportunity for applying principles from the student's academic area of concentration. 

601-602 Thesis Each 3 hours
401 Social Control of Behavior
The social processes by which the person's behavior is adapted to the group. External restraints, roles, self control. Analysis and measurement of behavior in the context of socially defined "fields".
PREREQ: 9 hours sociology including 101 or 403 and 301

402 Collective and Exchange Behavior
The study of the processes of growth and change within unstable and transient groups including crowds and associated phenomena, diffuse collectivities, advertising, and propaganda aggregates in mass society, publics, and social movements.
PREREQ: 9 hours sociology including 101 or 403 and 301

410 The Community
A basic course in community sociology. Sociological theory and the techniques of empirical research are applied to published studies of communities in the United States and elsewher. The comparative method is elaborated as it pertains to data derived from community investigation.
PREREQ: 9 hours sociology including 101 or 403

412 Urban Geography (same as Geography 412)
A geography of the city from the viewpoint of history, site, and situation, external relations, internal relations, and the comparative study of cities.
PREREQ: Junior standing and 6 hours of geography or sociology
447 Counseling Theory
This course emphasizes the relation between diagnosis and treatment with a Jungian approach embracing psychology, literature, philosophy, and theology. Readings are emphasized.
PREREQ: Psych 313 or Ed 320

63

UNIVERSITY OF NEBRASKA AT OMAHA

546 Human Engineering
The methods of experimental psychology are discussed as they relate to problems of designing machines for efficient human use.
PREREQ: Psych 101 and permission of instructor

547 Theories of Developmental Psychology
A review of theories of behavior and theoretical problems related to the biological, psychological, and social development of man from conception to old age.
PREREQ: Psych 343 and Basic Statistics

548 Psychology of Exceptional Children
A study of the special problems of youngsters with visual, auditory, or neurological impairments, orthopedic anomalies, intellectual retardation or superiority, speech disorders, emotional or social maladjustments, learning disabilities and cultural deprivation; and the characteristic relationships of parents, professionals, and others to these children.
PREREQ: Psych 343 or 351

549 Problems in Psychology
A faculty supervised research project, involving empirical or library work and oral or written reports.
PREREQ: 15 hours of psychology

550 Research Problems in Physiological Psychology
This course presents an introduction to the techniques and methodology used in the physiological psychology laboratory.
PREREQ: Psych 423 and permission of instructor

551 History of Psychology
A study through reading and discussion of the most recent developments covering all specialties.
PREREQ: Permission of instructor

552 Learning Theory
This course presents, at an advanced level, the work of the theorists who have most directly influenced the contemporary psychology of learning.
PREREQ: Psych 301 and 421 or permission of instructor

553 Introduction to Counseling Theories
Study of contemporary theories of counseling, the counseling process and methods.
PREREQ: Education 480 or department permission

554 Experimental Social Psychology
A study through reading and laboratory work of group processes emphasizing information theory, game theory, and graph theory.
PREREQ: Psych 421
The Graduate College

563 PREREQ: Permission of Instructor
Set Theory, topological spaces, convergence, continuity, metric spaces, and metrization, simplicial homology theory.

598 Graduate Seminar
PREREQ: Permission of Instructor.
A graduate seminar in mathematics.

601 Thesis
PREREQ: Permission of Department Head.

PHYSICS

301 Elements of Electronics
4 hours
The background of theory, operation, and practice of electronic devices and circuits particularly as they apply to scientific instrumentation. Both theoretical and practical considerations are included.

302 Optics
4 hours
The nature of light energy as disclosed through studies of geometrical optics, physical optics, and quantum optics.

375 Electricity and Magnetism
Each 4 hours
Two semester continuing course giving more complete and advanced treatment of electrical and magnetic principles from standpoint of both A.C. and D.C. phenomena.

385 Heat and Thermodynamics
3-4 hours
Principles of Heat and Temperature Measurement, Phase Diagrams, Calorimetry, Thermodynamics, Temperature Scales, Thermal Analysis

412 Modern Physics
4 hours
Recent developments concerning the nature of matter, radiation, and space including relativistic effects and the dualistic behavior of particles and waves.

414 Nuclear Physics
4 hours
Methodology and principles of nuclear science, nuclear structure, artificial and natural radioactivity, isotopes, tracer techniques, radiation health physics, reactor theory.

422 Modern Developments in Physics
3 hours
A resume of the most important discoveries, changes, and new concepts gleaned from the last decade of research in physics. Superconductivity, lasers, masers, superfluidity, ultra large magnetic fields, space plasmas, nuclear fusion power, etc. Designed for updating physical science concepts for science majors and for science teachers.

453 Modern Developments in Physics
3 hours
A resume of the most important discoveries, changes, and new concepts gleaned from the last decade of research in physics. Superconductivity, lasers, masers, superfluidity, ultra large magnetic fields, space plasmas, nuclear fusion power, etc. Designed for updating physical science concepts for science majors and for science teachers. Physics 453 covers material not covered in Physics 452.

455 Problems in Physics
1-3 hours

466 Individual laboratory and/or library work in some field of energy.

POLITICAL SCIENCE

463 The Presidency
(I.S) 3 hours
The rise of the institution from Washington to the present, to the position and influence it holds and how the President uses this power and prestige to influence Congress, the courts, and the public.
PREREQ: 110, 111

464 The Legislative Process
(II.S) 3 hours
A comprehensive study of the legislative process of the Congress and state legislatures. The major emphasis is on legislative institutions, processes, and behavior.
PREREQ: 110, 111

405 The Judicial Process
(1.S) 3 hours
This is a course in the administration of justice. It examines the Federal and State courts with respect to their powers, judicial selection, the bar, and the reform movements in the most basic of all of man's objectives, "The pursuit of justice."

433 Comparative Governments: Emerging Areas
(1.S) 3 hours
An examination and comparison of the problems, structure, and functions of government in the emerging states with special attention given to the political environment of these states within which the institutions of government operate. Since certain areas will be covered on a semester basis, the course may be repeated for credit when the area of study changes.

410 Constitutional Law I
(1.S) 3 hours
The first semester of a two-semester course in American Constitutional Law. It seeks to familiarize the student with the background of the American Constitutional system, the nature of the Judicial process and the role of the United States Supreme Court in the development of the institutions and powers of the American Federal System.
PREREQ: 110, 111

411 Constitutional Law II
(1.S) 3 hours
The second semester of the American Constitutional Law course. It focuses on the role of the United States Supreme Court in delineating and defining the political and civil rights guaranteed in the United States Constitution.
PREREQ: 110, 111

423 National Security Policy
(II.S) 3 hours
The processes and the machinery of formulating national security policy and the influences involved. Special emphasis is given to demonstrating the interrelationships among political, military, technological, domestic and international factors.

425 International Law of Peace
(1.S) 3 hours
A basic course in the broad curriculum of international politics. It seeks to introduce the student to the continuing morality and law which is occupied by the international community and accorded which it seeks to function in its relations as sovereign states. The aspects of the Law of War are excluded from this treatment.

431 Political Theory I
(1.S) 3 hours
Reviews and analyzes the leading political theories of Western Man from the Hebrews and Greeks to the mid-17th Century.

432 Political Theory II
(1.S) 3 hours
Continues the review and analysis of the leading political theories of Western Man begun in Pol.Sci. 431, bringing the study down to the present day.

453 American Political Thought
(II.S) 3 hours
An over-view and analysis of the dominant political thought and ideas that have been present in American thinking, from the days of the Puritans to today, and the individuals who held them.

440 Public Budgeting
(II.S) 3 hours
A study of the processes and procedures involved in making budgets for governmental institutions.
PREREQ: 317

441 Public Personnel Management
(II.S) 3 hours
A study of the personnel process in American governmental administration. The processes and problems involved in recruiting, structuring, and operating public bureaucracies are examined as well as problems in personnel leadership, neutrality, accountability, and performance.
PREREQ: 317

501 Comparative Politics: Theories and Literature of the Field
(II.S) 3 hours
An examination of the purpose, theories, and literature of the field of comparative politics, with evaluation of the theories by application to contemporary political systems.
PREREQ: Graduate standing or senior standing with permission of the instructor and the department head.

512 Theories and Literature of International Relations
(1.S) 3 hours
An examination of the theoretical frameworks advanced for the systematic study of International Relations, with application to particular problems in International Relations.
PREREQ: Graduate standing or senior, with permission of instructor and department head.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>550</td>
<td>Seminar in American Economic History</td>
<td>3 hours</td>
</tr>
<tr>
<td>551</td>
<td>Seminar in American Economic History (Since 1885)</td>
<td>3 hours</td>
</tr>
<tr>
<td>552</td>
<td>Seminar in United States Public Land Policy and Conservation</td>
<td>(I)</td>
</tr>
<tr>
<td>553</td>
<td>Seminar in Early Modern European History</td>
<td>(II)</td>
</tr>
<tr>
<td>554</td>
<td>Seminar in European History: The Revolutionary Age</td>
<td>(II)</td>
</tr>
<tr>
<td>555</td>
<td>Seminar in European History: The Napoleonic Era 1800-1815</td>
<td>3 hours</td>
</tr>
<tr>
<td>556</td>
<td>Seminar in Nineteenth Century European History</td>
<td>(I)</td>
</tr>
<tr>
<td>557</td>
<td>Seminar in Twentieth Century European Diplomatic History</td>
<td>(I)</td>
</tr>
<tr>
<td>558</td>
<td>Seminar in World History: Military History and Policy</td>
<td>(I)</td>
</tr>
<tr>
<td>559</td>
<td>Seminar in Eighteenth Century British History</td>
<td>(II)</td>
</tr>
<tr>
<td>560</td>
<td>Seminar in British History: The Era of Reform</td>
<td>(II)</td>
</tr>
<tr>
<td>561</td>
<td>Seminar in Contemporary British History</td>
<td>(II)</td>
</tr>
<tr>
<td>601</td>
<td>Thesis</td>
<td>Each 3 hours</td>
</tr>
<tr>
<td>602</td>
<td>Independent research project written under the supervision of an advisor. The following 300-level courses in history are open to students for graduate credit with special assignments: 311, 312, 313, 315, 321, 324, 331, 334, 341, 344, 354, 355, 358 and 361.</td>
<td></td>
</tr>
</tbody>
</table>

**MATHEMATICS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>322</td>
<td>Advanced Programming Techniques</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>330</td>
<td>Numerical Methods</td>
<td>(II) 3 hours</td>
</tr>
<tr>
<td>332</td>
<td>Linear Programming</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>333</td>
<td>Introduction to Information Storage and Retrieval</td>
<td>(II) 3 hours</td>
</tr>
<tr>
<td>334</td>
<td>Introduction to System Programming</td>
<td>(II) 3 hours</td>
</tr>
<tr>
<td>335</td>
<td>Introduction to the Theory of Information</td>
<td>(II) 3 hours</td>
</tr>
<tr>
<td>336</td>
<td>Differential Equations</td>
<td>(III) 3 hours</td>
</tr>
<tr>
<td>337</td>
<td>Elementary Topics</td>
<td>(II) 3 hours</td>
</tr>
<tr>
<td>338</td>
<td>Game Theory</td>
<td>(II) 3 hours</td>
</tr>
<tr>
<td>339</td>
<td>Probability and Statistics I</td>
<td>(I) Each 3 hours</td>
</tr>
<tr>
<td>340</td>
<td>Probability and Statistics II</td>
<td>(I) Each 3 hours</td>
</tr>
<tr>
<td>341</td>
<td>Abstract Algebra</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>342</td>
<td>Complex Variables</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>343</td>
<td>Theory of Ordinary Differential Equations</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>344</td>
<td>Theory of Functional Equations</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>345</td>
<td>Theory of Functional Equations</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>346</td>
<td>Linear Algebra I</td>
<td>(I) Each 3 hours</td>
</tr>
<tr>
<td>347</td>
<td>Linear Algebra II</td>
<td>(I) Each 3 hours</td>
</tr>
<tr>
<td>348</td>
<td>Vector spaces, linear transformations, theory of a single linear transformation, sets of linear transformations, bilinear forms, Euclidean space, unitary space, products of vector spaces.</td>
<td>(I) Each 3 hours</td>
</tr>
<tr>
<td>349</td>
<td>Theory of Functions of Real Variables</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>350</td>
<td>Functional Analysis</td>
<td>3 hours each</td>
</tr>
<tr>
<td>351</td>
<td>Partial Differential Equations</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>352</td>
<td>Differential Geometry</td>
<td>(I) 3 hours</td>
</tr>
<tr>
<td>353</td>
<td>Introductory Topology</td>
<td>3 hours each</td>
</tr>
</tbody>
</table>
421 Twentieth Century America - 1932
PREREQ: Hist. 111 and 112
A study of the history of the United States from the election of Franklin D. Roosevelt in 1932.

422 Twentieth Century America - 1933 to Present
PREREQ: Hist. 111 and 112
A study of the history of the United States from the election of Franklin D. Roosevelt in 1932 to the present.

423 Ideas in Twentieth Century America
PREREQ: Hist. 111 and 112
An analysis of some of the more important ideas which have had influence in recent America.

424 American Constitutional History to 1860
PREREQ: Hist. 111 and 112
A history of constitutional theory and practice in the continental North American colonies of England and in the United States prior to 1860.

425 American Constitutional History since 1860
PREREQ: Hist. 111 and 112
An analysis of some of the more important ideas which have had influence in recent America.

426 American Constitutional History since 1860
PREREQ: Hist. 111 and 112
A study of the history of the United States from the election of Franklin D. Roosevelt to the Presidency in 1932.

451 Intellectual History of Modern Europe: Seventeenth and Eighteenth Centuries
PREREQ: Hist. 151 and 152
An analysis of the intellectual history of Modern Europe from the Seventeenth century to the French Revolution.

452 Intellectual History of Modern Europe: The Revolutionary Age to the Present
PREREQ: Hist. 151 and 152
A study of intellectual history of Modern Europe from the French Revolution to the present.

453 Age of the Enlightenment
PREREQ: Hist. 151 and 152
A study of the intellectual history of Modern Europe from the Enlightenment to the present.

454 The Age of Absolutism
PREREQ: Hist. 151 and 152
A study of the intellectual history of Modern Europe from the Enlightenment to the present.

455 Age of the Enlightenment
PREREQ: Hist. 151 and 152
An analysis of the intellectual history of Modern Europe from the Enlightenment to the present.

456 The French Revolution and Napoleon: 1789-1815
PREREQ: Hist. 151 and 152
A study of the intellectual history of Modern Europe from the Enlightenment to the present.

457 Nineteenth Century Europe, 1815-1870
PREREQ: Hist. 151 and 152
A study of the intellectual history of Modern Europe from the Enlightenment to the present.

458 Nineteenth Century Europe, 1840-1890
PREREQ: Hist. 151 and 152
A study of the intellectual history of Modern Europe from the Enlightenment to the present.

459 Europe since 1914
PREREQ: Hist. 151 and 152
A study of the intellectual history of Modern Europe from the Enlightenment to the present.

461 Tudor and Stuart England
PREREQ: Hist. 201 and 202 or Hist. 151 and 152
A study of England under the Tudors, when the English people rose magnificently and experienced a Golden Age, and the Stuart's then cast off the last remnants of medieval things and formed new institutions foreshadowing those of our world today.

462 England in the Eighteenth and Nineteenth Centuries
PREREQ: Hist. 201 and 202 or Hist. 151 and 152
A study of the change and development in Great Britain from 1714 to 1914.

463 English Constitutional History to 1660
PREREQ: Hist. 201 and 202 or (with permission of instructor) Hist. 151 and 152.
The development of the legal and governmental institutions of the English-speaking people to 1660, including England's central and local governments.

464 English Constitutional History Since 1660
PREREQ: Hist. 201 or permission of instructor.
The development of the legal and governmental institutions of the English-speaking people since 1660, including British central and local governments and the governments of the member states of the Commonwealth and of the more important colonies.

465 Europe in Crisis, 1890-1932
PREREQ: Hist. 151 and 152 and Junior standing.
A study of the conditions and forces immediately preceding World War I and the war itself, the peace following the war, and the rise of the modern dictatorships.

466 Europe in the Global Age, 1933 to the Present
PREREQ: Hist. 151-152 or at least Junior standing.
A study of the history of the emergence or the "Balance of Power".

485 French Historical Research Project
PREREQ: Acceptance as a graduate major or minor in history and permission of the department head and the instructor.
A study of the critical method in collecting and organizing historical materials; the methods of verification, evaluation, and organization of facts; the problems of writing; documentation, styling, and printing the product.

490 Great American Historians
PREREQ: Acceptance as a graduate major or minor in history or permission of the department head and the instructor.
A survey of the history of American historical writing from colonial times to the present. Reports on selected readings.

501 Historical Research
PREREQ: Acceptance as a graduate major or minor in history or permission of the department head and the instructor.
A survey of the history of American historical writing from colonial times to the present. Reports on selected readings.

502 Seminar in Modern American History: The Jacksonian Era
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

503 Seminar in Modern American History: The Frontier
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

504 Seminar in Modern American History: Civil War and Reconstruction
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

505 Seminar in Modern American History: The Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

506 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

507 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

508 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

509 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

510 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

511 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

512 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

513 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.

514 Seminar in Local History: Nebraska and the Great Plains
PREREQ: Acceptance as a graduate major or minor in history and permission of the instructor.
A seminar on the history of American historical writing from colonial times to the present. Reports on selected readings.
THE GRADUATE COLLEGE

424 Generation of '98
PREREQ: Span 315 or permission
Need to examine the status quo at the turn of the century.

436 Cervantes
PREREQ: Permission
Study of Don Quixote and/or the Exemplary novels.

460 Pre-Seminar
PREREQ: Permission
A detailed study of narrower phases of Spanish, or Spanish literature, language or culture.

GEOGRAPHY

412 Urban Geography
A course of study in the geography of urban places and the underlying forces of urbanization, with special reference to the history of urbanization, site and situation, external relations, internal function and form, and comparative urban studies.

423 Great Plains and Nebraska
A systematic geographical study of the natural and cultural environment giving regional character to this region.

432 Climates of the World
A study of the climates of the continents in terms of climatic controls and generalized climatic sub-regions.

442 Geography of Manufacturing
PREREQ: Geog. 313 or Econ 201 and 202.
A course which discusses methods of measurement and classification, as well as the function of manufacturing; major world manufacturing regions in the U.S.; and local community patterns.

453 Historical Geography of the United States
PREREQ: Hist. 111 and 112
A study of the significant occurrences in the United States with emphasis on the formative periods.

501 Geography Concepts
Development of the systematic fields and regional approach to area inventory and planning; introduction to visualization of data and introduction to authorities in each field.

503 Investigating the Earth
A survey of earth science which provides a basic knowledge of the earth as a planet on the solar system; and the universe; and an introduction to the earth's atmosphere and hydrosphere.

504 Investigating the Earth
A survey of earth science which provides a basic knowledge of the earth as a planet with emphasis on the lithosphere.

505 Physical and Cultural Geography for Teachers
Orientation through discussion and demonstration and projects to physical and cultural geography; involvement in professional geography journals and associated media suitable for geography presentations.

521 Cultural Geography
The philosophical basis of human and cultural geography; interpretation of the cultural landscape.

531 Geography of Agriculture
A systematic study of the characteristics of agriculture (both crop and animal industries) on a world-wide basis.

541 Seminar in Problems of Political Geography
Case studies in land boundaries, territorial waters, and in population aspects of boundary problems.

551 Geomorphology
PREREQ: Geog. 117 or 118 or 399
Concentrates on significant topics, problems, and applied cases in landform studies.

HISTORY

411 Representative Americans, 1600-1828
PREREQ: Hist. 111 and 112
A biographical approach to American history prior to 1828.

412 Representative Americans, 1828 to Present
PREREQ: Hist. 411 or permission of instructor
A biographical approach to American history since 1828.

413 The Revolutionary Era, 1763-1789
PREREQ: Hist. 111 and 112
An analysis of the forces which led to the American Revolution and an examination of some of the problems which arose as a result of the separation from England.

414 Early Federal Period, 1789-1815
PREREQ: Hist. 111 and 112
A study of the growth and development of the American nation during the formative years under the Constitution.

416 The Jacksonian Era
PREREQ: Hist. 111 and 112
An interpretive study of the middle period of American history.

418 Civil War and Reconstruction
PREREQ: Hist. 111 and 112
The background of the conflict, the years of the war and the problems of reshaping the Union in the years that followed.

421 The Emergence of Modern America: 1877-1901
PREREQ: Hist. 111-112 or permission of instructor
A study of a transitional period in American history, this course considers the importance of industrialization, urbanization, immigration, and the emergence of the United States as a significant world power.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>545</td>
<td>Modern Drama of Spain</td>
<td>3 hours</td>
<td>French 313 or permission</td>
<td>Study of plays written by Spanish playwrights from 1789 to 1848</td>
</tr>
<tr>
<td>546</td>
<td>Modern Novel of Spain</td>
<td>3 hours</td>
<td>French 313 or permission</td>
<td>Study of Spanish novels written from 1848 to 1900</td>
</tr>
<tr>
<td>547</td>
<td>Spanish American Literature of the 19th Century</td>
<td>3 hours</td>
<td>French 313 or permission</td>
<td>Study of the American novel written during the 19th century with special focus on Realism</td>
</tr>
<tr>
<td>548</td>
<td>Spanish American Literature of the 20th Century</td>
<td>3 hours</td>
<td>French 313 or permission</td>
<td>Study of the American novel written during the 20th century with special focus on Modernism</td>
</tr>
<tr>
<td>549</td>
<td>Spanish Writers of the Golden Age</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of Spanish novel written during the Golden Age with special focus on Realism</td>
</tr>
</tbody>
</table>

**FOREIGN LANGUAGES**

**FRENCH**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>335</td>
<td>Advanced Conversation and Composition</td>
<td>3 hours</td>
<td>French 313 or permission</td>
<td>Development of culture and institutions from the origins to the present.</td>
</tr>
<tr>
<td>341</td>
<td>Latin American Civilization</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of the development of Latin American civilization.</td>
</tr>
<tr>
<td>342</td>
<td>Mexican Civilization</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of the development of Mexican civilization.</td>
</tr>
<tr>
<td>343</td>
<td>Spanish Civilization</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of the development of Spanish civilization.</td>
</tr>
<tr>
<td>344</td>
<td>Spanish American Literature</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of the development of Spanish American literature.</td>
</tr>
</tbody>
</table>

**GERMAN**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>431</td>
<td>German Literature of the 19th Century</td>
<td>3 hours</td>
<td>German 313 or permission</td>
<td>Study of German literature from the 19th century with special focus on Realism</td>
</tr>
<tr>
<td>432</td>
<td>German Literature of the 20th Century</td>
<td>3 hours</td>
<td>German 313 or permission</td>
<td>Study of German literature from the 20th century with special focus on Modernism</td>
</tr>
<tr>
<td>433</td>
<td>German Civilization</td>
<td>3 hours</td>
<td>German 313 or permission</td>
<td>Study of German civilization with special focus on Modernism and Realism.</td>
</tr>
<tr>
<td>434</td>
<td>German Drama</td>
<td>3 hours</td>
<td>German 313 or permission</td>
<td>Study of German drama with special focus on Modernism and Realism.</td>
</tr>
</tbody>
</table>

**SPANISH**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>431</td>
<td>Spanish Civilization</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of Spanish civilization with special focus on Modernism and Realism.</td>
</tr>
<tr>
<td>432</td>
<td>Spanish American Literature</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of Spanish American literature with special focus on Modernism and Realism.</td>
</tr>
<tr>
<td>433</td>
<td>Spanish American Novel</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of Spanish American novel with special focus on Modernism and Realism.</td>
</tr>
<tr>
<td>434</td>
<td>Spanish Writers of the Golden Age</td>
<td>3 hours</td>
<td>Spanish 315 or permission</td>
<td>Study of Spanish writers of the Golden Age with special focus on Modernism and Realism.</td>
</tr>
<tr>
<td>Course Number</td>
<td>Course Title</td>
<td>Credit Hours</td>
<td>Prerequisites</td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>---------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>501</td>
<td>Seminar in Special Education</td>
<td>(I) 3 hours</td>
<td>Graduate course primarily for Special Education majors and professional workers in the fields of speech and hearing. Teaching the deaf, teaching the mentally retarded, remedial reading and teaching the physically handicapped, familiarity with philosophy, major literature and practice in each area; student will research and present a paper reflecting his personal professional interests. Discussions, forums, and panels; visiting experts.</td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>Advanced Strength of Materials</td>
<td>(I) 3 hours</td>
<td>PREREQ: Graduate standing and permission</td>
<td></td>
</tr>
<tr>
<td>482</td>
<td>Foundation Engineering</td>
<td>(I) 3-4 hours</td>
<td>PREREQ: Graduate standing and permission. Evaluation of subsol conditions as they affect the behavior, proportions, and selection of foundation elements: character of natural soil deposits: bearing capacity and settlement analysis; seepage problems; stability of slopes and earth-retaining structures.</td>
<td></td>
</tr>
<tr>
<td>510</td>
<td>Applied Elasticity</td>
<td>(I) 3 hours</td>
<td>PREREQ: Engr 493, Engr 443, Math 236</td>
<td></td>
</tr>
<tr>
<td>518</td>
<td>Advanced Structural Engineering</td>
<td>(II) 1-2 hours</td>
<td>PREREQ: Graduate standing and permission. Contemporary developments in the analysis and design of space-spanning and space-enclosing structures, including appropriate mathematical and mechanical methods of analysis.</td>
<td></td>
</tr>
<tr>
<td>443</td>
<td>Sixteenth Century Literature</td>
<td>(I) 3 hours</td>
<td>A study of the language and writing of Chaucer, with emphasis on The Canterbury Tales. PREREQ: Eng 231.</td>
<td></td>
</tr>
<tr>
<td>440</td>
<td>Eighteenth Century Literature</td>
<td>(II) 3 hours</td>
<td>Reading in the major authors of the Age of Pope and the Age of Johnson. PREREQ: Eng 231 or 232.</td>
<td></td>
</tr>
<tr>
<td>449</td>
<td>Soil Mechanics</td>
<td>(I) 3 hours</td>
<td>PREREQ: Senior standing and permission</td>
<td></td>
</tr>
<tr>
<td>441</td>
<td>Plastic Design</td>
<td>(II) 3 hours</td>
<td>PREREQ: CE 443 or Permission</td>
<td></td>
</tr>
<tr>
<td>448</td>
<td>Structural Analysis</td>
<td>(I) 3 hours</td>
<td>PREREQ: CE 481 or permission</td>
<td></td>
</tr>
<tr>
<td>447</td>
<td>Matrix Methods of Structural Analysis</td>
<td>(II) 3 hours</td>
<td>PREREQ: CE 443 or Permission</td>
<td></td>
</tr>
<tr>
<td>442</td>
<td>Limit Design</td>
<td>(II) 3 hours</td>
<td>PREREQ: CE 481 or permission</td>
<td></td>
</tr>
<tr>
<td>443</td>
<td>Advanced Strength of Materials</td>
<td>(I) 3 hours</td>
<td>PREREQ: Engr 342-Laboratory</td>
<td></td>
</tr>
<tr>
<td>440</td>
<td>Structural Design for Dynamic Loads</td>
<td>(I) 3 hours</td>
<td>PREREQ: Graduate standing and permission. Behavior of structural materials and systems under dynamic loads. Analysis and design for dynamic loads. Computational techniques.</td>
<td></td>
</tr>
<tr>
<td>501</td>
<td>Special Engineering Problems</td>
<td>(I) 3 hours</td>
<td>PREREQ: Graduate standing and permission from the instructor. The theory and application of the accumulative knowledge from undergraduate and graduate curriculums work to a special problem of particular interest to the student and in his field of interest. These problems should extend the knowledge and understanding of the student in the field of his specialty beyond the limits of his course work.</td>
<td></td>
</tr>
</tbody>
</table>
442 Psychology of Speech ........................................... (1) 3 hours
Psychological processes basic to speech; theories of language learning; semantics; psychology of hearing and deafness; therapeutics associated with speech and personality.

443 Speech Pathology I: Voice and Articulation ........... (1) 3 hours
Types and causes of voice and articulation disorders; classroom demonstration; audiological emphasis on rehabilitation procedures and methods associated with individual involvements.

444 Speech Pathology II: Rhythm and Symbolization ... (1) 3 hours
Types and causes of rhythm and language symbolization disorders; classroom room; and evaluation periods in speech and hearing clinics.

445 Phonetics of American Speech ................................ (1) 3 hours
Introduction to International Phonetic Alphabet; analysis of phonetic and phonological elements and major American English dialects; practice in transcription of standard and defective speech.

446 Speech Evaluation: Methods and Practicum ............. (1) 3 hours
Tests and procedures for evaluating individuals with speech disorders; principles in differential diagnosis and report writing; observation during evaluation periods in speech and hearing centers.

447 Neurophysiology of the Speech Handicapped .......... (1) 3 hours
Basic structure and function of the organs of hearing and speech; theories of cortical involvements, central and peripheral nervous system as they affect communication; individual projects.

448 Measurement of Hearing ....................................... (1) 3 hours
Brief history of hearing evaluation techniques; methods and practices in speech pathology and audiological assessment; types of hearing losses; audiometric training techniques; individual reports.

449 Advanced Measurement of Hearing ......................... (1) 3 hours
Hearing evaluation problems associated with preschool children; recruitment function; hearing losses, etc.; education and rehabilitation problems associated with electronically-assisted hearing.

540 Methods and Materials in Speech Therapy ............... (1) 2 hours
Speech correction programs as related to public education for school age children; role and responsibilities of the speech clinician; current practices in evaluation, case load selection and scheduling; special emphasis on methods and materials appropriate to a variety of speech services.

541 Basic Practicum in Speech Correction .................... (1) 1-2 hours
Minimum of 45-60 clock hours per credit hour; supervised observation and practice in speech and hearing centers; diagnostic interviews, therapy sessions, lesson plans, week praxis training summaries.

542 Advanced Practicum in Speech Correction ............... (1) 1-2 hours
Continuation of Special Education 451; student is expected to participate more actively in corrective and diagnostic programs and initiate and follow through correction programs with selected individual and/or groups.

543 Introduction to the Mentally Subnormal ................. (1) 3 hours
Nature and educational needs of children and youth who are mentally subnormal; definitions; prevalence and types of children in educational programs; history; trends.

544 Teaching the Exceptional Child ............................... (1) 3 hours
Required course for all Special Education majors.

545 Curriculum for Mentally Retarded Children ............. (1) 3 hours
The mentally retarded child as an educable or trainable individual; an investigation of the practices and problems in curriculum development for the mentally subnormal child; pre-school through professional training; identification of needs and goals and determination of content.
527 Group Techniques in Guidance (II,S) 2-3 hours
The role of group procedures in guidance. The implementation and evaluation of group procedures.
PREREQUISITE: Coun. 204

530 Guidance in the Elementary School (II,S) 3 hours
A study of the principles, practices and dimensions of elementary school guidance.
PREREQUISITE: Ed. 501

EDUCATION ADMINISTRATION AND SUPERVISION

562 Principles of School Administration (II,S) 3 hours
A study of the nature and functioning of effective school organization and administration, including the inter-relation between the federal, state, and local responsibilities.

563 School Plant Planning and Operation (II,S) 3 hours
Includes steps in planning the modern school building: site selection, building construction and design; school furniture and equipment; maintenance and operation; rehabilitation; scheduling of work; and custodial care.
PREREQ: 51

564 School Law (II,S) 3 hours
Consider legal principles and practices which are applicable to public administration for public school teachers and administrators.

565 School Business Management (II,S) 3 hours
An analysis of the functions of business management: budgetary procedures; financial accounting, auditing and reporting; management of funds, purchasing procedures and inventory; administration and protection of property; and administration of transportation.

566 Administration and Supervision in Elementary Schools (II,S) 3 hours
The nature, principles and functions of modern administrative and supervisory practices as they relate to the elementary school.
PREREQ: 501

567 Administration and Supervision in Secondary Schools (II,S) 3 hours
The nature, principles and functions of modern administrative and supervisory practices as they relate to the secondary school.
PREREQ: 501

568 School Finance (II,S) 3 hours
A study of the sources of school financing: local, state and national. In addition to covering this area from a historical point of view, emphasis is placed on current problems in school finance.

569 Administration and Staff Personnel (II,S) 3 hours
This course deals with personnel policies, problems, and practices in the following areas: personnel recruitment, orientation, evaluation, promotion, tenure, retirement, professional organizations, and legal problems. Emphasis will be placed upon the techniques of democratic administration.

570 Practicum in School Administration (II,S) 3 hours
Designed to provide guided study and practice in elementary, secondary or general administration and supervision as the needs and requirements of the student require.
PREREQ: 501 and approval

571 Advanced Practicum in School Administration and Supervision (II,S) 3 hours
Continuation of Education 570. Advanced study and practice to provide guidance in elementary, secondary or general administration and supervision as the needs of the student require.
PREREQ: Add Ed 570

572 Administration of Higher Education (S) 3 hours
A study of the major functions of higher education, with emphasis on the principles of organization and directing the academic program, the activities of the student body, the faculty and staff, personnel policies, and the administration of the public relations program.

573 College Business Management (S) 2-4 hours
Designed as an intensive study of problems of college business management, including such phases as: public relations, personnel, accounting and reporting, physical plant, law, auxiliary enterprises.

580 Administration and Supervision of Vocational Education (II,S) 3 hours
Basic concepts for administration and supervision of public vocational education, as related to the needs of the superintendent, principal, supervisor.

591 Field Project in School Administration (II,S) 3 hours
The study of a problem in the area of school administration, employing the techniques of research.

592 Seminar in School Administration (II,S) 3 hours
Emphasis will be placed upon the theory and techniques of administration.

593 Practicum in School Administration (II,S) 3 hours
Participation in the Practicum is limited to individuals who have a Master's degree in education and will include current educational problems and procedures.

SPECIAL EDUCATION

420 History: Education and Guidance of the Deaf (I,II) 2 hours
History of trends in deaf education culminating in current programs, practices, and attitudes; survey of teaching and guidance opportunities; psychological problems of the deaf child.

421 Teaching of Speech to the Deaf I (I,II) 2 hours
Methods and practices in teaching speech to the deaf child; special emphasis on the nature of speech learning problems found in a population of deaf children.

422 Teaching of Speech to the Deaf II (I,II) 2 hours
Continuation of Special Education 421; focus on various types of speech learning problems found in a population of deaf children.

423 Teaching of Language to the Deaf I (I,II) 2 hours
Philosophy of development of functional language for the deaf child; methods and strategies for developing language skills and comprehension.

424 Teaching of Language to the Deaf II (I,II) 2 hours
Continuation of Special Education 423; further consideration of criteria for selection and utilization of teaching materials; special emphasis on problems in auditory training.

425 Observations and Student Teaching (I,II,III) 3-6 hours
Arrangements to place qualified students in special education classrooms for the deaf for qualified students to complete student teaching during the school year; curricular as well as classroom experiences encouraged.

430 Methods of Teaching Speech Reading to the Deaf (I,II) 2 hours
History of development of speech reading; methods and techniques of teaching speech reading for various ages and degrees of hearing impairment.

431 Teaching Elementary Subjects to the Deaf I (I,II) 2 hours
Philosophy of physical education for the deaf; methods and adaptations in physical education for the deaf.

432 Teaching Elementary Subjects to the Deaf II (I,II) 2 hours
Philosophy underlying formal education for the deaf; methods and special adaptations used in presenting school subjects; preparation for teaching deaf classes.

433 Teaching Elementary Subjects to the Deaf III (I,II) 2 hours
Philosophy of educational problems and procedures. Approaches to elementary school subjects considered in detail.

434 Hearing Tests and Auditory Training (I,II) 2 hours
Basic principles of hearing evaluation techniques; methods and procedures in the process of hearing loss; auditory training techniques.

435 Auditory and Speech Mechanisms (I,II) 2 hours
Properties of organs of hearing and speech; psycholinguistics and hearing loss; auditory training techniques.

441 Speech Development and Correction (I,II,S) 3 hours
Development of voice and speech proficiencies; common problems of articulation, voice, rhythm and articulatory speech; demonstration of individual and group correction procedures and materials.
507 Statistical Methods (I,II,III) 3 hours
This course is designed for first year graduate students in education who have not had a previous course in statistics or whose background is such that a refresher course is desired.

508 Topics in Audio-Visual Education (I,II,III) 3 hours
A study of selected topics involving principles, problems and trends in audio-visual education.

509 The Urban School (I,II,III) 3 hours
A study of the socio-cultural and institutional processes and problems which have bearing upon the education of children in urban settings.

310 Research Project (I,II,III) 3 hours
Individual or group study of specific problems in schools.

348 Practicum Internship (I,II,III) 6-8 hours
An integration of community and school experiences with special reference to the development of the disadvantaged pupil. Each semester focuses upon a curriculum area of the junior high and elementary schools—language arts, social studies, evaluation procedures, classroom control and curriculum are the focus.

PREREQUISITES: Teacher Corps

601 Thesis (I,II) 3 hours

602 Independent Research Project written under the supervision of an advisor.

420 Literature for Children and Youth (I,II,III) 3 hours
Selection, evaluation and guidance in various types of literature for the elementary and junior high school levels.

519 Diagnostic and Remedial Instruction (I,II,III) 3 hours
A study of methods of diagnosing children's difficulties in all subject areas of the educational program of the elementary school and remedial techniques for overcoming such problems.

PREREQ: 501

520 Improvement of Instruction in Elementary Science (I,II,III) 3 hours
This course is designed for graduate students in education who wish to become better informed about the recently developed programs for elementary science. The course is a prerequisite for all other courses in the field of guidance and counseling.

521 Improvement of Instruction in Elementary Mathematics (I,II,III) 3 hours
An examination of the philosophy, content, methods, and materials of modern mathematics programs for the elementary school. The needs and backgrounds of the students enrolled during the semester are given special consideration.

550 Innovations and Trends in Elementary Education (I,II,III) 3 hours
Designed as an advanced study for the purpose of exploring current trends and developments within the various subject matter areas of the elementary school.

PREREQ: Educ 501

493 Introduction to Curriculum Planning—Elementary (I,II,III) 3 hours
A study of the history and growth of educational planning in the elementary curriculum. The course is designed to provide a general overview of the field of curriculum planning.

545 Seminar in Supervision of Student Teachers—Elementary (I,II,III) 3 hours
Designed for experienced teachers who are or may be serving as cooperating teachers, and who desire to study student teaching, its aims, procedures, objectives, and other developments.

PREREQ: 2 years of teaching experience

SECONDARY

490 Principles of Vocational Education (I,II,III) 3 hours
A study of the basic philosophy underlying vocational education and the principles and practices in the various fields.

485 Coordination Techniques for Vocational Education (I,II,III) 3 hours
Reviews responsibilities and techniques of coordination for the vocational teacher-coordinator and/or vocational coordinator, with special emphasis upon local administration of the part-time cooperative program and analysis of the laws and regulations governing this program.
430 Econometrics: The study and application of modern statistical and mathematical procedures to theoretical economic models.

PREREQUISITES: Permission of instructor. 3 hours

436 Comparative Economic Philosophy: The mainstreams of political and economic philosophy are examined in order to understand both the political basis of comparative economic systems as well as to judge the political implications of changing economic policy.

PREREQUISITES: Nine hours of Economics or permission. (I) 3 hours

445 Monetary Theory and Policy: The role of money in the stabilization at high levels of production, employment, income and prices. Emphasis is on contemporary problems.

PREREQUISITE: Econ. 345 3 hours

450 State and Local Finance: Administrative problems of state and local taxation, with particular attention to Nebraska and Omaha, are studied.

PREREQUISITE: Econ. 355 or permission. (II) 3 hours

460 Economic Development: Problems relating to early stages of economic development; investment priorities, mobilizing savings, balance of payments considerations; and policies and programs are studied.

PREREQUISITE: Econ. 365 or permission. (I) 3 hours

480 Managerial Economics: Managerial economics is applied in decision making, with special emphasis on the application of the microtheory. It aims to bridge the gap between theory and managerial practice, stressing on the measurement of the critical concepts, collection and evaluation of information and comparison of alternatives.

PREREQUISITE: Econ. 380 or permission. 3 hours

505 Economic Education: A study and examination of economic principles and how they can be related to the teacher’s classroom presentation. This course is designed to familiarize the public school teacher with sufficient background and understanding to aid in the recognition of economic issues and the teaching of economic concepts and principles.

PREREQUISITE: Open to any graduate student with a major in all types of fields. (I) 3 hours

506 Economic Education: A continuation of Econ. 505 3 hours

508 Economic Security: The course involves the analysis and discussion of problems and programs of economic security. Particular attention will be paid to programs aimed at reducing urban poverty.

PREREQUISITES: Permission of instructor. 3 hours

516 Seminar in Labor Economics: A study and investigation of current developments and issues involving labor relations, labor, wage and employment policies. Local and regional factors will be stressed.

PREREQUISITE: Six hours of credit in undergraduate labor economics or permission. (II) 3 hours

521 Seminar in Micro-Theory: This course requires graduates in Economics and students who have had courses in Mathematical Economics, including the recent development in the theory of the firm and operations, will be expected.

PREREQUISITE: Econ. 320 or permission of the instructor. (I) 3 hours

523 Macroeconomic Theory: A study of the many refinements of the Keynesian model, including some extensions of this theory especially in connection with monetary behavior, and economic growth.

PREREQUISITE: Econ. 322 or 423, or permission of the instructor. (II) 3 hours

540 Money and Banking: Original research and writing of papers on basic problems in the area of money and banking, required of all Economics majors; or at the graduate level.

PREREQUISITE: Six hours in undergraduate monetary courses or permission. 3 hours

540 Econometrics: The study and application of statistical and mathematical techniques in economic research.

PREREQUISITE: Permission of instructor. 3 hours

540 Seminar in American Economic History: These seminars lay stress on individual research on significant problems as indicated by the titles. An introduction to bibliography and demonstration of the methods of historical research will be incorporated in each seminar.

PREREQUISITE: Permission of instructor. Each 3 hours
The Graduate College

494 Entomology: The study of insects, their classification, morphology, phy- siology, life history, ecology and evolution. PREREQ: Biol. 175 (II) 4 hours

501 Seminar in Biology: A study of current research in any of the divisions of biology. May be repeated. (I,II,S) 1 hour

502 Problems in Biology: Research investigations in various areas of biology. (I,II,S) 1 hour

511 Experimental Genetics: A laboratory course utilizing techniques of bi- ometry, computers, and experimental work with such organisms as Pro- topila sp. PREREQ: Biol. 102, 316 (equivalent or concurrent) (offered when feasible) 1 hour

513 Advanced Genetics: Lecture covering quantitative, Human, Biochemical and Cytogenetical aspects of genetics. PREREQ: Biol. 162, 316 or equivalent (II) 3 hours

514 Limnology: A study of the physical, chemical and biotic factors that determine the distribution and habitats of fresh-water organisms. PREREQ: Biol. 144, Biol. 174, one year of organic chemistry or general chemistry (S) 4 hours

517 Invertebrate Zoology: A comprehensive study of the invertebrate animals from an anatomical, physiological, embryological, and ecological standpoint. PREREQ: graduate students (I,II,S) 3 hours

501 Thesis: An advanced level of selection, investigation, and solution of a problem with a report written in accordance with an acceptable style manual. (I,II,S) 3 hours

BUSINESS ADMINISTRATION

560 Quantitative Analysis
The study of quantitative techniques and models and their application in business decision making. 3 hours

561 Business and Society
Exploration of the diversity of societal forces and pressures which influence the continued transition in the system of American capitalism. 3 hours

562 Behavioral Sciences in Business
Integration of psychological, sociological and other behavioral science concepts with business decision making. 3 hours

563 Accounting for Management Control
Emphasis on maximum utilization of accounting information by the management team. 3 hours

567 Contemporary Accounting
A penetrating study of accounting areas in which uniformity is not present. PREREQ: Bus. Adm. 520 (I,II,S) 3 hours

539 The Environment of Management
A classical and behavioral study of the organizational environment in which decision-making occurs to accomplish the economic and efficient operation of a business institution. 3 hours

531 Human Relations
An interdisciplinary study concerned with the problems of combining and utilizing human resources to satisfy the objectives of management and workers. 3 hours

540 Marketing Policies
A marketing management approach to the determination of policies employed in solving problems in marketing. 3 hours

541 Promotional Policies
Analysis of the methods and policies needed to develop and administer an effective promotional program. 3 hours

550 Financial Management
Examine the problems of managing the financial operations of an enter- prise with emphasis on analysis and solution of long and short-term problems pertaining to policy decisions. PREREQ: Bus. Adm. 540 (I,II,S) 3 hours

551 Security Analysis
An analysis in which statistical and financial ratio methods are used for appraisal of security values. (I,II,S) 3 hours

University of Nebraska at Omaha

552 Seminar in Investment Management
The theory of investment management and its application in formulation of policies for different types of investors. 3 hours

CHEMISTRY

549 Physical Chemistry: An introduction to thermodynamics and atomic and molecular structure and the application of these concepts to ther- modynamics, equilibrium, solutions, electrochemistry, kinetics, solids, and chemical bonding. (Lect.-3, Lab-4) PREREQ: For Chem 349: Chemistry 230 and 214, Physics 212, Math 102 or 224, For Chemistry 350: Chemistry 240 with a grade of C or above (I,II,S) Each 4 hours

551 Instrumental and Advanced Quantitative Analysis: Instrumental, physical- chemical, and special methods applied to quantitative analysis. (Lect.-2, Lab-8) PREREQ: Chemistry 250 (may be taken concurrently) (I,II,S) Each 4 hours

552 Advanced Inorganic Chemistry: Theories of chemical bonding, the determination of chemical structures, and the application of modern techniques to classical and recent problems in inorganic chemistry. (Lect-3) PREREQ: Chemistry 250 (may be taken concurrently) (II) 3 hours

553 Advanced Inorganic Chemistry Preparations: Laboratory preparation of representative types of inorganic compounds by various standard and special experimental techniques. (Lab-4) PREREQ: Chemistry 410 (may be taken concurrently) (I,II,S) Each 1 hour

554 Advanced Organic Chemistry: An advanced lecture course in modern organic compounds. (I,II) 3 hours


556 Biochemistry: Chemistry and Biochemistry of proteins, carbohydrates, and nucleic acids. Enzymes and Energetics. (Lect-3, Lab-8) PREREQ: Chemistry 214, Chemistry 493 is prereq. to 494. (I,II) Each 4 hours

557 Problems in Chemistry: Independent student research. PREREQ: Three years of chemistry and permission of instructor (I,II,S) Cr. Arr. 3 hours

558 Research in Chemistry: Provides the student with an opportunity for experience in the solving of an actual research problem in the field of chemistry. PREREQ: Permission of instructor (I,II,S) Cr. Arr. 3 hours

ECONOMICS

561 Government and Labor: Provides a background of knowledge and understanding of the development of public policy, the regulation of labor by government and the relationship of the various levels of government to labor. PREREQ: Econ. 319 (II) 3 hours

562 Collective Bargaining: A study of the issues, structures and procedures involved in collective bargaining, and the settlement of disputes. (I,II) 3 hours

563 Advanced Firm & Industry Theory: The effects of changes in conditions of supply and demand under alternative market structures affecting firm and industry are examined. (I,II) 4 hours

564 History of Economic Thought: From Mercantilism to the modern period. Focus is on the interactions of institutional milieu, thought and economic doctrine. PREREQ: Econ. 201 and 202 (I,II) 3 hours
in Educational Psychology, he may be required either to take additional graduate courses or to complete successfully a six-hour qualifying examination in general and educational psychology.

A total of 30 semester hours of work beyond the Master's is required for the recommendation. No more than three hours of practicum credit should be taken during any one semester. For certification of school psychologists, many states require teaching certification or two years of successful teaching experience. Students will be expected to plan their programs as follows:

**I. Psychological Foundations**
- Required: three of the following courses
  - Psych. 421, General Experimental Psychology
  - Psych. 423, Physiological Psychology
  - Psych. 447, Counseling Theory
  - Psych. 505, Learning Theory
  - Psych. 545, Experimental Social Psychology

**II. Psychological Methods and Techniques**
- Required: 12 hours
  - Psych. 423, Programmed Instruction
  - Psych. 441, Nonparametric Statistics
  - Psych. 456, Factor Analysis
  - Psych. 459, Analysis of Variance
  - Psych. 532, Tests and Measurements
  - Coun. 522, Occupational and Educational Information

**III. Educational Foundations**
- Required: three of the following courses
  - Sped. 451, Introduction to Therapeutic Techniques with Children
  - Sped. 355, Practicum in Psychology (five or six hours)
  - One or two of the following:
    - Psych. 414, Nonparametric Statistics
    - Psych. 415, Factor Analysis
    - Psych. 416, Analysis of Variance
    - Psych. 533, Tests and Measurements
    - Coun. 522, Occupational and Educational Information
    - Coun. 523, Individual Analysis

Courses numbered 500 or above are open to graduate students only. Some courses numbered 400 are open to both seniors and graduates; the same is true of a selected few 300 numbered courses. It is expected as a rule that graduate students enrolled in those courses numbered 300-499 will do work of a higher level than undergraduates. Typically, such differentiation might include depth studies, field studies, individualized research, and special interest projects.

**BIOLOGY**

334 Ecology: The study of the behavior of whole organisms and groups of organisms in relation to their total living and nonliving environment.
- **PREREQ:** Biol. 144 and Biol. 174
- **(I) 4 hours**

343 Morphology of Lower Plants: A lecture and laboratory course which covers the ecology, morphology, and evolutionary trends of algae, fungi, and bryophytes.
- **PREREQ:** Biol. 145
- **(I) 3 hours**

353 Morphology of Higher Plants: A lecture and laboratory course covering the behavior of higher vascular plants with emphasis on morphology, ecology, and evolutionary trends.
- **PREREQ:** Biol. 145
- **(II) 3 hours**

363 Plant Anatomy: A study of cells, tissues, and organs of vascular plants with emphasis on internal structure.
- **PREREQ:** one year general botany
- **(I,II) 3 hours**

374 Histology: A microscopic study of tissues and organs and the functional significance.
- **PREREQ:** one year general botany
- **(I,II) 3 hours**

384 Embryology: An intensive study of the embryology and development of the vertebrate animal, particularly the human, from fertilization to organogenesis.
- **PREREQ:** Biol. 175 and 265
- **(II) 4 hours**

414 Cellular Biology: A comprehensive study of the structure and function of plants and animal cells.
- **PREREQ:** Mammalian anatomy or plant morphology or plant anatomy, organic chemistry, physics
- **(I) 4 hours**

423 Organic Evolution: A study of organic evolution in terms of evidence which supports the theory and the mechanisms involved in the process.
- **PREREQ:** Genetcs (Biol. 315)
- **(II) 3 hours**

444 Plant Physiology: A study of plant processes and functions with emphasis on photosynthesis, respiration, mineral nutrition and morphogenesis; lecture and laboratory.
- **PREREQ:** one year of organic chemistry, physics, math, botany
- **(II) 4 hours**

454 Taxonomy of Vascular Plants: The identification, nomenclature, and classification of vascular plants with emphasis on gymnosperms and angiosperms.
- **PREREQ:** Biol. 102, 145
- **(II) 4 hours**

464 General Bacteriology: The study of the life processes of microorganisms and their biological and economical significance.
- **PREREQ:** Biol. 141 and Chem. 211 (concurrent)
- **(I) 4 hours**

474 Animal Physiology: A comprehensive physical and chemical study of the functions of the animal body systems.
- **PREREQ:** Mammalian anatomy, eight hours of organic chemistry, eight hours of physics
- **(II) 4 hours**

484 Parasitology: Taxonomy, morphology, life history, dissemination, and control of the parasitic protozoans, helminths, and arthropods.
- **PREREQ:** Biol. 175 (offered only as an evening class at irregular intervals)
- **4 hours**
The Graduate College

Candidacy for Degree

Permission to enter the program does not automatically designate the applicant as a candidate for the Ed.S. degree. Before filing an application for degree candidacy, the student must complete twelve semester hours of course work, including work in statistics and research methods. For those students with statistics and research methods in their Master's program, substitutes may be made.

After a review of his early course work the candidate's committee will recommend the Graduate Faculty which will make the decision concerning the applicant's candidacy for the degree. The student will be notified in writing by the Graduate Office of the decision of the Graduate Faculty. A permanent plan of study will be filed by the committee with the Graduate Office at the time of admission to candidacy.

Immediately after acceptance for candidacy, the student will file in the Graduate Office a tentative topic for his field project. This field project will be an independent study of a specific school-related problem. The subject of the study must be approved by the student's faculty committee and the Graduate Dean immediately after the candidate has been approved for candidacy for the degree. The student must continue to report the progress of the field study to the Graduate Office each semester. Failure to report progress may result in loss of the topic and the student may be dropped from the program.

The student must also be enrolled for course work each semester after admission or submit in writing to the Graduate Dean the reason why such enrollment cannot be made. If the student is not enrolled for course work for two consecutive semesters or summer terms, he shall be dropped from the program and must apply for readmission by petition to the Graduate Faculty. Regular attendance assures a desirable rate of progress, and also assures that quality in a program which comes by way of acquaintance and interaction.

All work for the Ed.S. degree, including the field project report, must be completed within a period of six years from the time of first admission to the program. Upon completion of the field project, which will be done under the direction of the faculty committee, the student will submit three typewritten copies to the Graduate Office. This project must generally conform to the style prescribed by the Graduate College.

A final oral examination will be required over the field project. The examining group shall be the candidate's committee and the Graduate Dean or his representative.

SPECIALIST IN EDUCATION DEGREE

A MAJOR IN EDUCATION ADMINISTRATION AND SUPERVISION

66 Hours Minimum

This outlined program includes the work which might typically constitute the fifth and sixth years of collegiate work. The total course work for both M.S. and Ed.S. would accumulate to no less than 66 graduate hours. The program reflects the philosophy which supports graduate education at the University that each student should be able to design a considerable portion of his program to best harmonize his needs and ambitions. Each program will be designed with the aid of the student's adviser and must be approved by the candidate's committee.

The program has been designed to include the flexibility needed by two groups of students: (1) those preparing to become school principals; (2) those preparing to become school superintendents. The capstones of the Ed.S. program are the administration seminars (Ed. 600 and 601) and the field project (Ed. 611).

I. Core Professional Courses

42-48 hours

Including work in school finance, school business management, supervision, school law, research, statistics, educational psychology, administration seminars, and field work.

II. Related Professional Courses

12-18 hours

Including selected work in such areas as curriculum, guidance, reading, foundations, and special education.

III. Cognate Courses

9-15 hours

Including selected work in such areas as economics, English, psychology, business administration, and sociology. In some cases, candidates may select cognate courses from graduate level offerings which upon adequate undergraduate preparation.

PROGRAM FOR SCHOOL PSYCHOLOGISTS

Students holding Master's degrees may be admitted to do additional work leading to recommendation for certification as a school psychologist if they show promise of ability to succeed beyond the Master's level. Application for such admission must be filed with the Director of Admissions, accompanied by credentials and an application fee. Credentials must include two official transcripts for all previous college work, scores for the Graduate Record Examination Aptitude Test and Psychology Test, and a vita including names of individuals willing to write reference letters. Before a final decision is made concerning admission, the applicant must be interviewed by the Chairman and one or more members of the Department of Psychology. If the applicant has not completed a Master's program equivalent to that required for the Master of Science
THE 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.

Courses in the program give students an understanding of the principles of management, marketing, finance and proficiency in the use of accounting and statistics as tools for analysis of business problems. At the same time the student becomes 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.

Preparation: Applicants for admission to the M.B.A. degree program must have completed satisfactory undergraduate preparatory work in the following areas: economic principles, accounting, marketing, finance, management, statistics, and legal environment of business. A student who is deficient in any of the preparatory areas will be required to make up the deficiency with appropriate undergraduate courses.

The Admission Test for Graduate Study in Business is required prior to admission to the program.

Degree Requirements: The degree requires a minimum of 36 semester hours for completion. Of these, 27 hours must be in the following required courses:

Econ. 521, Advanced Firm and Industry Theory .................................. 3 hours
Econ. 522, Advanced Micro-Theory ..................................................... 3 hours
Bus. Adm. 518, Marketing Policies ..................................................... 3 hours
Bus. Adm. 520, The Environment of Management .............................. 3 hours
Bus. Adm. 559, Financial Management .............................................. 3 hours
Bus. Adm. 590, Accounting for Management Control ..................... 3 hours
Bus. Adm. 591, Quantitative Analysis ................................................. 3 hours
Bus. Adm. 501, Business and Society .................................................. 3 hours
Bus. Adm. 502, Behavioral Sciences in Business .............................. 3 hours

or

Bus. Adm. 531, Human Relations ....................................................... 3 hours

Emphasis in specific areas can be achieved by selection of nine hours of approved electives, three hours of which may be outside of business administration. Elective courses include the following:

Bus. Adm. 501, Security Analysis .......................................................... 3 hours
Bus. Adm. 592, Seminar in Investment Management ........................ 3 hours
Bus. Adm. 541, Promotional Policies .................................................... 3 hours
Bus. Adm. 521, Contemporary Accounting ........................................ 3 hours

A thesis is not required for the degree. A comprehensive final examination, both written and oral, will be required when the student has completed his course work or is in his final semester.

I. Required Courses

1. Academic Electives

- (From graduate level courses in education, political science, psychology, economic or business administration)

II. Required Courses

- Ed. 541, Principles of Adult Education ........................................... 18 hours
- Ed. 516, Research Project (Subject to be associated with college
  business management and report worthy of publication) .................. 24 hours
- Ed. 503, History and Philosophy of Education .................................. 12 hours
- Ed. 505, Education Seminar ............................................................ 3 hours
- EdAd. 546, College Business Management ........................................ 3 hours

SPECIALIST IN EDUCATION DEGREE

This degree is designed for education officers of colleges and universities. For more complete details of this program, write to the Dean of the Graduate College.

A maximum of four hours of this program may be obtained through participation in the short course for college business officers (Education 546, College Business Management, two hours credit, offered during the last week in July each year.

In addition to the four hours of short-course credit, the candidate for the Master's degree must earn 12 hours of credit in the field of education as noted below (Education 481, 500, 502, and 505). Electives comprising areas approved by the major adviser. The student must present a total of 36 hours credit for the Master of Science degree. If the student desires, he may receive a Master of Arts degree by presenting 24 hours of this degree credit plus a thesis of three to six hours credit in lieu of a corresponding number of hours of elective work. It will be noted that as many as six hours of credit may be transferred from other accredited graduate schools, provided the transferred credits can be fitted into the degree program.

Prerequisites: Bachelor's degree from an accredited institution which must include six hours in accounting. Students with inadequate preparation in accounting must remove this deficiency before being a degree candidate.

I. Required Courses

- Ed. 541, Principles of Adult Education ........................................... 18 hours
- Ed. 516, Research Project (Subject to be associated with college
  business management and report worthy of publication) .................. 24 hours
- Ed. 503, History and Philosophy of Education .................................. 12 hours
- Ed. 505, Education Seminar ............................................................ 3 hours
- EdAd. 546, College Business Management ........................................ 3 hours

II. Required Courses

- Ed. 541, Principles of Adult Education ........................................... 18 hours
- Ed. 516, Research Project (Subject to be associated with college
  business management and report worthy of publication) .................. 24 hours
- Ed. 503, History and Philosophy of Education .................................. 12 hours
- Ed. 505, Education Seminar ............................................................ 3 hours
- EdAd. 546, College Business Management ........................................ 3 hours

Admission and Degree Requirements

Applicants for admission to study in the Ed.S. program should be made to the Director of Admissions, University of Nebraska at Omaha (see Admissions). In general, the applicant:

1. Must hold a Master's degree from an accredited institution offering graduate work.
III. Related

The Master of Science degree with a major in reading conforms to standards of the International Reading Association for the professional training of Reading Specialists. Applicants for admission must be eligible for teacher certification at the undergraduate level. The following program of study will prepare the student as a teacher of reading at either the elementary or secondary level.

I. Core Professional Courses
   - 12-15 hours
   - Including work in graduate reading courses (Sped. 511, 512, 513, 514, and 515 or their equivalent).
II. Related Professional Courses
   - 12 hours
   - Including introduction to research and selected work in such areas as foundation and general education, elementary education, secondary education, special education, and psychology.
III. Selected Cognate Courses
   - 6 hours
   - Including selected work in such areas as guidance and counseling and/or the various subject areas mentioned under sections I and II.

MAJOR IN ELEMENTARY SCHOOL ADMINISTRATION

I. Selected Cognate Courses
   - 6 hours
   - Of Ed. 501, Introduction to Research
   - Or Ed. 502, History and Philosophy of Education
   - Or Sped. 511, Problems in Teaching Reading—Elementary
   - Or Ed. 549, Innovations and Trends in Elementary Education
   - Or Ed. 562, Principles of School Administration
   - Or Ed. 566, Administration and Supervision in the Elementary School
   - Or Ed. 569, Administration and Staff Personnel
   - Or Ed. 570, Practicum in School Administration
II. Select two of the following
   - 6 hours
   - Ed. 563, School Plant Planning and Operation
   - Ed. 564, School Law
   - Ed. 565, School Business Management

MAJOR IN SECONDARY SCHOOL ADMINISTRATION

I. Selected Cognate Courses
   - 6 hours
   - Or Ed. 501, Introduction to Research
   - Or Ed. 502, History and Philosophy of Education
   - Or Sped. 512, Problems in Teaching Reading—Secondary
   - Or Ed. 549, Innovations and Trends in Elementary Education
   - Or Ed. 562, Principles of School Administration
   - Or Ed. 566, Administration and Supervision in the Secondary School
   - Or Ed. 569, Administration and Staff Personnel
   - Or Ed. 570, Practicum in Administration
II. Select two of the following
   - 6 hours
   - Ed. 563, School Plant Planning and Operation
   - Ed. 564, School Law
   - Ed. 565, School Business Management

MAJOR IN COUNSELING AND GUIDANCE

Programs in Counseling and Guidance are arranged on an individual basis. Areas of frequent specialization, however, are secondary school counseling, *elementary school counseling,* general counseling and student personnel services. Required courses are determined in relation to the students' previous courses, work experience, and anticipated work setting. Most programs, however, would fit within the following general framework.

1. Only students with teaching experience will receive institutional endorsement to serve as school administrators.

MAJOR IN TEACHING THE MENTALLY RETARDED

I. Required Courses
   - 24 hours
   - Ed. 501, Introduction to Research
   - Or Ed. 502, Teaching the Exceptional Child
   - Or Psych. 551, Advanced Educational Psychology
   - Or Sped. 463, Teaching the Exceptional Child
   - Or Psych. 464, Methods and Materials for Teaching the Retarded
   - Or Sped. 465, Curriculum for the Mentally Retarded
   - Or Psych. 466, Measurement of Achievement
   - Or Sped. 467, Measurement of Achievement
   - Or Psych. 490, Advanced Educational Psychology
   - Or Sped. 570, Seminar in Special Education
   - Or Ed. 505, Seminar in Education
   - Or Psych. 469, Psychology of Exceptional Children
   - Or Ed. 507, Seminar in Education
   - Or Sped. 423, Teaching Language to Deaf

II. Directed Electives in Related Areas
   - 6 hours
   - Related areas are education, special education, counseling, psychology, sociology, and biology.

Prerequisite: Education Certificate or equivalent at the undergraduate or graduate level.

MAJOR IN SPEECH PATHOLOGY

I. Required Courses
   - 25-26 hours
   - Ed. 501, Introduction to Research
   - Or Ed. 502, Teaching the Exceptional Child
   - Or Psych. 551, Advanced Educational Psychology
   - Or Sped. 570, Seminar in Special Education
   - Or Psych. 463, Teaching the Exceptional Child
   - Or Psych. 464, Methods and Materials for Teaching the Retarded
   - Or Sped. 465, Curriculum for the Mentally Retarded
   - Or Psych. 466, Measurement of Achievement
   - Or Sped. 467, Measurement of Achievement
   - Or Psych. 490, Advanced Educational Psychology
   - Or Sped. 570, Seminar in Special Education
   - Or Ed. 505, Seminar in Education
   - Or Psych. 469, Psychology of Exceptional Children
   - Or Ed. 507, Seminar in Education
   - Or Sped. 423, Teaching Language to Deaf

II. Directed Electives in Related Areas
   - 6 hours
   - Related areas are education, special education, counseling, psychology, sociology, and biology.

Prerequisite: Education Certificate or equivalent at the undergraduate or graduate level.

* Student is responsible for prerequisites in any elective areas.
students must pass the two qualifying examinations before attempting the comprehensive examinations. These examinations will be given twice annually, during the months of January and May. Each examination will be given on a separate day. Students will take a minimum of two comprehensive examinations during the examination period.

C. General policies
Students should be fully prepared before attempting either the qualifying or comprehensive examinations. Permission to take any examination again after an initial failure may be granted by the departmental faculty on written petition by the student.

WITH A MAJOR IN ECONOMICS
An applicant for admission to the program for the Master of Science 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 18 hours of the required 36 must be approved at the 500-level or above. In lieu of a thesis, Economics 598 and 599 are included in the 36 hours total required. Students must also satisfactorily complete Economics 521, 523, and 545.

It is expected that the candidate for the Master of Science degree in economics will concentrate required research on matters of concern in the Omaha metropolitan region. This is also a degree where teachers K-12 grades may concentrate on research concerning economic education in the schools.

WITH A MAJOR IN MATHEMATICS
The course requirements may be met by completing 24 semester hours of mathematics from courses numbered above 400 with 12 of the 24 semester hours selected from courses numbered above 500; an additional 12 semester hours must be selected either from mathematics courses numbered above 400 or from graduate courses in cognate fields.

The final comprehensive examination shall be passed covering the general areas of: algebra; analysis; foundations; geometry or topology; and applications.

WITH A MAJOR IN EDUCATIONAL PSYCHOLOGY OR INDUSTRIAL PSYCHOLOGY

Entrance Requirements: 1. Educational Psychology. A minimum of 15 hours of undergraduate work beyond the introductory course, and including a course in basic statistics and psychology of learning are required.

2. Industrial Psychology. A minimum of 600 hours of undergraduate psychology courses beyond the introductory course and including basic statistics and a laboratory course in experimental psychology are required.

Degree Requirements: The overall graduate work course requirement for both M.S. programs includes either 36 hours in psychology or 24 hours in psychology plus 12 hours graduate work in a related minor field. Psychology 501 (History of Psychology), and either Psychology 515 (Factor Analysis) or Psychology 516 (Analysis of Variance) are required of all students. At least one of these required courses must be taken during the first 9 hours of graduate work. Additional required courses may be designated by the department. These will ordinarily include up to 3 hours of Psychology 595 (Practicum in Psychology) and in addition, in the Educational Psychology program, Psychology 553 and 554 (Individual Test).

A six-hour written comprehensive examination is required of all students and will be identical with the comprehensive examination taken by students in the M.A. program who elect to specialize in one of these two areas of psychology.

WITH A MAJOR IN SPEECH PATHOLOGY
Candidates applying for admission to a Master of Science degree program with a major in speech pathology are expected to meet the following requirements:

1. Pass an examination to determine adequate personal voice and speech proficiencies and adequate hearing acuity for speech. This examination is administered by the Speech and Hearing Clinic of the University.

2. Have successfully completed a minimum of 15 semester hours of course work leading towards eligibility for teacher certification.

Those wishing to meet national or state certification requirements for speech therapists should consult with the departmental adviser before planning programs of study.

WITH A MAJOR IN AN AREA OF EDUCATION
Students may major in the following fields: elementary education, counseling and guidance, education administration and supervision, secondary education, reading, special education (including speech pathology, education for the deaf or mentally retarded), and college business management. Minor fields include: Foundations of education (for those majoring in academic fields), elementary education, reading, secondary education and others.

Students pursuing a Master of Science degree with a major in education shall be expected to take selected courses in areas outside the field of education as indicated in the following program outlines. The suggested programs apply only to the M.S. in Education. Programs for the M.A. degree with a major in education will be determined by the major adviser, upon request.

MAJOR IN ELEMENTARY EDUCATION

I. Selected Cognate Courses
II. Required Courses
Ed. 501, Introduction to Research
Ed. 503, History and Philosophy of Education
Ed. 513, Diagnostic and Remedial Instruction
EEd. 540, Innovations and Trends in Elementary Education
EEd. 541, Introduction to Curriculum Planning—Elementary
EEd. 544, Seminar in Elementary Education
EEd. 566, Administration and Supervision in Elementary Schools
III. Selected Courses
To be determined by student and his adviser

6-9 hours

6-9 hours

21 hours

MAJOR IN SECONDARY EDUCATION

I. Selected Cognate Courses
II. Required Courses
Ed. 501, Introduction to Research
Ed. 503, History and Philosophy of Education
EEd. 544, Educational Seminar
III. Selected Courses
To be determined by student and his adviser

12-18 hours

9 hours

9-15 hours
WITH A MAJOR IN SPEECH PATHOLOGY

Candidates for the degree Master of Arts with a major in speech pathology are expected to meet the following requirements in addition to those for general admission:

1. Pass an examination to determine adequate personal voice and speech proficiencies and adequate hearing acuity for speech. This examination is administered by the Speech and Hearing Clinic of the University.

2. Have successfully completed a minimum of 18 semester hours of courses in speech science and/or psychology. Speech science courses include such areas as phonetics, acoustics, anatomy and physiology of speech mechanisms, psychology of communication, etc. Psychology courses must include child psychology and psychology of adjustment areas.

A major sequence in speech therapy requires a minimum of 24 hours of course work plus a thesis (six hours). Candidates wishing to meet special national or state certification requirements for speech therapists often need additional hours of course work and practicum. Students should consult with their department adviser before planning their program.

WITH A MAJOR IN ECONOMICS

An applicant for admission to the program for the Master of Arts 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 30 hours, including thesis, must be courses approved at the 500-level or above. Students must also satisfactorily complete Economics 521, 523 and 545.

THE MASTER OF SCIENCE DEGREE

The Master of Science degree is typically a 36 hour, non-thesis program, with majors in a number of areas of education and special education, psychology, applied sociology, geography, mathematics, engineering, and economics.

WITH A MAJOR IN BIOLOGY

To enter the program for the Master of Science degree in biology, the student must present credit in the biological sciences of one semester each of basic botany and basic zoology, or two semesters of general biology, and the ancillary sciences of two semesters of general or inorganic chemistry, two semesters of general physics, and mathematics through trigonometry. Two semesters of organic chemistry are required before the completion of the degree, but these may be taken as graduate credit after entrance into the program.

To complete the degree, it will be necessary that the student present a minimum of 24 undergraduate and 36 graduate semester hours in the biological sciences. Eight hours of organic chemistry taken at the graduate level may be credited toward the total graduate hour requirement. Combined undergraduate and graduate credit in the biological sciences shall include courses in genetics, evolution, structural sciences, physiology, cellular biology, taxonomy, ecology, seminar and biological research.

WITH A MAJOR IN GEOGRAPHY

The applicant for admission to the graduate program in geography must present as a prerequisite a minimum of 15 undergraduate semester hours in geography including physical, economic, political, and cartography.

Degree Requirements: The degree requires a minimum of 36 semester hours in geography courses numbered 400 and 500. No thesis is required for the M.S. degree. Permission of the department head is required for a student to take more than two 400 level courses to apply toward an M.S. degree.

Basic courses required for an M.S. degree include Urban Geography, Cultural Geography, Political Geography Seminar, Geomorphology or Physiography of North America, and Field Geography.

WITH A MAJOR IN APPLIED SOCIOLOGY

An applicant for admission to the Master of Arts in speech pathology must present a minimum of 15 undergraduate semester hours in sociology and a course in statistics.

The student will be expected to complete Sociology 301-502 and a minimum of 24 additional graduate semester hours. In addition, the student must complete satisfactorily six semester hour equivalents in a supervised work practicum related to his academic area of concentration and write an acceptable report on the experience. Students whose career objectives are in the social welfare professions are advised to apply for admission to the Graduate School of Social Work at the University of Nebraska at Lincoln.

The Master of Arts degree is preferable as preparation for college level teaching and continued scholarly work, the Master of Science as preparation for field or action application of sociology. Both degrees require the student to demonstrate proficiency in the subject by means of the qualifying and comprehensive examinations.

Examinations

Both the M.A. and M.S. degree programs in sociology require the student to demonstrate proficiency in the subject by means of the following qualifying and comprehensive examinations.

A. Qualifying examinations

Qualifying examinations on sociological concepts and statistics must be taken by all full-time graduate students during their first year of graduate work. Part-time students must complete these examinations before they complete 15 hours of course work. These qualifying examinations will be given three times annually, during the months of October, January and May. Nine hours of course work and successful completion of the qualifying examinations are prerequisite for application for candidacy for the degree.

B. Comprehensive examinations

Comprehensive examinations must be taken by all graduate students. There will be four examinations covering the following areas:

1. Social Organization and Processes
2. Methods of Social Research
3. Sociological Theory
4. Social Psychology

University of Nebraska at Omaha
DEGREE PROGRAMS AND PROGRAMS OF INSTRUCTION

The Master's degree or the Specialist in Education degree is conferred by the Board of Regents upon recommendation of the Graduate Faculty, and with the final approval of the faculty of the University of Nebraska at Omaha.

The following departments offer work toward both the Master of Arts and Master of Science Degrees: biology, counseling and guidance, economics, education administration and supervision, elementary education, geography, mathematics, psychology, secondary education, sociology, and special education. Some departments offer a single degree, the Master of Arts: English, history, and speech and drama; engineering students may receive the Master of Science. The Master of Business Administration (MBA) is a recently initiated addition to graduate study at the University, with first graduates in January, 1968.

The Specialist in Education degree is a two-year program of graduate study. The program was offered for the first time in the 1964-65 school year.

THE MASTER OF ARTS DEGREE

WITH MAJORS IN BIOLOGY, COUNSELING AND GUIDANCE, ECONOMICS, EDUCATION ADMINISTRATION AND SUPERVISION, ELEMENTARY EDUCATION, ENGLISH, GEOGRAPHY, HISTORY, MATHEMATICS, PSYCHOLOGY, SECONDARY EDUCATION, SOCIOLOGY, SPECIAL EDUCATION, SPEECH AND DRAMA.

The program for the Master of Art's degree will usually be arranged to conform to either of the following general patterns (English excepted):

1. A major of 24 semester hours in the major field of study.
2. A thesis not to exceed six semester hours in independent study under the direction of the major adviser.

OR:

1. A major of 15 semester hours in the major field of study.
2. A minor of nine semester hours in a related field of interest.
3. A thesis not to exceed six semester hours in independent study under the direction of the major adviser.

Note: Sociology students—see Master of Science degree with a major in applied sociology for specific examination requirements.

WITH A MAJOR IN BIOLOGY

To enter the program for the Master of Arts degree in biology, the student must present credit in the biological sciences of one semester each of basic botany and basic zoology, or two semesters of general biology, and the ancillary sciences of two semesters of general or inorganic chemistry, two semesters of general physics, and mathematics through trigonometry. Two semesters of organic chemistry are required before the completion of the degree, but this may be taken as graduate credit after entrance into the program.

To complete the degree, it will be necessary that the student present a minimum of 24 undergraduate and 30 graduate hours in the biological sciences. Eight hours of organic chemistry taken at the graduate level may be credited toward the total graduate hour requirement. Combined undergraduate and graduate credit in the biological sciences shall include courses in genetics, evolution, structural sciences, physiology, cellular biology, taxonomy, ecology, seminar, and credit up to six hours in a thesis.

WITH A MAJOR IN ENGLISH

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's degrees in English are required to take English 501 (Introduction to Literary Research), to pass a proficiency examination in French or German, and to follow one of the following plans of study:

I. A total of 24 credit hours in course work, including at least nine hours in seminar courses, and a thesis on an approved topic accepted after oral defense before a faculty committee.

II. A total of 36 credit hours in course work, including at least twelve hours in seminar courses, and a written comprehensive examination prepared and judged by a faculty committee.

WITH A MAJOR IN GEOGRAPHY

An applicant for admission to the Master of Arts degree program in geography must present as a prerequisite a minimum of 15 undergraduate semester hours of geography including physical, economic, political, and cartography.

Degree Requirements: The degree requires a minimum of 30 semester hours in geography courses numbered 400 and 500, including thesis. Permission of the department head is required for a student to take more than two 400 level courses to apply toward an M.A. degree. A thesis involving field work in an area of study under the direction of a major adviser is required.

Basic courses required for an M.A. degree include Urban Geography, Cultural Geography, Political Geography Seminar, Geomorphology or Physiography of North America and Field Geography.

WITH A MAJOR IN PSYCHOLOGY

Admission Requirements: An applicant for admission to this program must present a minimum of 15 undergraduate semester hours of psychology courses beyond the introductory course. These should include a course in Basic Statistics, The Psychology of Learning, and a laboratory course in Experimental Psychology.

Degree Requirements: To complete the M.A. degree in psychology, the student must present 30 hours of graduate course work in psychology, or 21 hours in psychology plus 9 hours in a related minor field. Up to 6 hours of thesis credit are to be included in this total. Psychology 501 (History of Psychology), and either Psychology 415 (Factor Analysis), or Psychology 416 (Analysis of Variance), are required of all graduate students in this program, and one of these required courses must be taken during the first 9 hours of graduate work. The remainder of the student's course work is elective, but must be planned in conference with his academic adviser, in order to meet the individual needs and interests of the student. The student may emphasize one of the following areas: educational, general-experimental, industrial, or quantitative psychology.
**GENERAL FEES**

Full-time students (12 credit hours or more) per sem. ............... 30.00
Part-time students (less than 12 hours) per sem. .................. 15.00
Summer Sessions (per session) ........................................ 15.00

General fees are assessed to every student each semester, except that summer session students who complete registration for both sessions at the initial registration period will be assessed the fee only once. Included in this fee are charges for registration, health service, library, and student center as well as materials and supplies furnished by the University for instruction.

The full-time fee of $30.00 also entitles the student to a regular student activities card covering athletics, publications and general student activities. Part-time students may obtain a regular student activities card by paying an additional $9.00 per semester.

**GRADUATION FEES**

Graduate College ...................................................... $15.00
Baccalaureate Degree .................................................. 12.50
Associate Title ........................................................... 7.50
Degree in absentia—additional ........................................ 5.00

**OTHER FEES, CHARGES AND DEPOSITS**

Matriculation and change of college .................................. 10.00
Payable upon initial enrollment and upon each subsequent change of college
Late Registration (Day or Evening Classes) ......................... 3.00
Deferred Payments (if approved by Student Aid Officer) ............ 5.00
Change of Schedule—per change ....................................... 5.00
Change of Academic Record—per change ............................. 5.00
Removal of incomplete, grade change, etc. ........................... 6.00
Transcript Evaluation (transfer students and Graduate College) .. 5.00
Transcript of Academic Record—per copy ............................. 1.00
Teacher Placement Registration ........................................ 6.00
Grades—additional copy—$4.00 ....................................... 12.00
Bad Check (insufficient or non-fund check) minimum ............... $5.00
Insufficient funds or non-fund checks are considered to be deferred payments.
Replacement of Student Activity Card (with approval) ............. 1.00
A.F.R.O.T.C. Activity Fee—per semester ............................ 6.00
A.F.R.O.T.C. Uniform Deposit (refundable) ......................... 15.00
Key Deposit (if authorized) (refundable) ............................. 1.00
Tests and Examinations:
Guidance and Placement—at scheduled times ......................... 5.00
Special proficiency, advanced standing, or out of schedule ......... 5.00
Credit for credit in the College of Continuing Studies—$20.00 of this amount may be applied toward tuition if test score is satisfactory—per test ................................. 25.00
Vocational Testing and Counseling:
Fees for these services depend upon tests administered and extent of counseling. Inquire in room Adm. 213 for charges.

**REFUND SCHEDULE**

Refunds are computed from the date application is received by the Registrar, NOT from date of withdrawal from classes. Refund slips issued by the Registrar and given to students are void and not redeemable, unless presented to the Cashier (room Adm. 150) within 30 days after date of issue.

A student must file notice of withdrawal from class, accompanied by written approval of the adviser and the Dean of Student Personnel, with the Registrar immediately upon dropping any course.

Students paying tuition and fees on a deferred payment basis or under any other loan, granted by the University, who withdraw before the ac-

count is paid in full are not relieved from payment of the balance due. Refunds will first be applied to unpaid balances, and any remaining balance must be paid in cash.

**REGULAR SEMESTER**

<table>
<thead>
<tr>
<th>Withdrawal period</th>
<th>Refund percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during 1st or 2nd week</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal during 3rd or 4th week</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal during 4th to 8th week</td>
<td>25%</td>
</tr>
<tr>
<td>Withdrawal after 8th week</td>
<td>0%</td>
</tr>
</tbody>
</table>

**SUMMER SESSIONS (5 WEEK SESSION)**

<table>
<thead>
<tr>
<th>Withdrawal period</th>
<th>Refund percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during 1st three days</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal during remainder of the 1st week</td>
<td>25%</td>
</tr>
<tr>
<td>Withdrawal during 2nd week</td>
<td>0%</td>
</tr>
</tbody>
</table>

**CREDIT COURSES (8 WEEK SESSION)**

<table>
<thead>
<tr>
<th>Withdrawal period</th>
<th>Refund percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during 1st week</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal during 2nd week</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal after 2nd week</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Withdrawal period</th>
<th>Refund percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during 1st week</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal during 2nd week</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal after 2nd week</td>
<td>0%</td>
</tr>
</tbody>
</table>

**NON-CREDIT AND SPECIAL COURSES**

(10 weeks or more)

<table>
<thead>
<tr>
<th>Withdrawal period</th>
<th>Refund percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during 1st week</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal during 2nd week</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal after 2nd week</td>
<td>25%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Withdrawal period</th>
<th>Refund percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before classes start</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during 1st week</td>
<td>75%</td>
</tr>
<tr>
<td>Withdrawal during 2nd week</td>
<td>50%</td>
</tr>
<tr>
<td>Withdrawal after 2nd week</td>
<td>25%</td>
</tr>
</tbody>
</table>

**RESIDENT STUDENTS**

A student's right to classification as a resident for purposes of registration in a state educational institution must be determined under the provisions of Nebraska Revised Statutes of 1943, Sec. 85-502 (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.
TRANSFER OF CREDIT

Students who have completed graduate courses at other approved graduate schools (excluding extension schools) may petition to transfer as much as six hours of credit, provided the courses considered are pertinent to the student's graduate program. 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. No transfer of credit can be made unless the student has been admitted to candidacy for the degree. All work accepted for transfer of credit must have been taken within the five-year period allowed for the Master's degree.

A student who has been approved as a candidate for the Master's degree may, with the prior recommendation of the major adviser and the approval of the Graduate Dean, earn transfer credit in other graduate schools to the limit of six semester hours in the Master of Arts and Master of Business Administration programs and nine semester hours in the Master of Science in Education program. The total hours of transfer credit may not exceed the amount stated.

In the Educational Specialist degree, six semester hours of work beyond the Master's level may count as transfer credit, upon recommendation by the major adviser and with the approval of the Graduate Dean.

WITHDRAWAL FROM A COURSE OR FROM THE UNIVERSITY

A student who wishes to drop all classes and withdraw from the University proceeds as follows:

1. Obtain withdrawal slip from the Registrar's Office or his adviser.
2. Confer with his adviser and obtain his signature on the withdrawal card.
3. Confer with his Academic Dean and obtain his signature on the withdrawal card.
4. Report to the Office of the Dean of Student Personnel and turn in his activity and library cards.

Refunds will be based on the official schedule.

Drop—When a student finds it necessary to drop a course, he should notify the Registrar and see his adviser immediately. If a student is passing at the time he withdraws, his record will be marked "W" indicating that he withdrew in good standing. If the student is failing at the time he withdraws, his record will be marked "F," indicating that he was failing at the time of withdrawal.

A student may not drop a course with any grade other than "F" after the eighth week of the semester.

WORKSHOPS

No more than one workshop of three hours credit may count toward the Master's degree (College of Business Management program excepted).

Exceptions to the above general and special rules and regulations may be made in meritorious cases only with the consent of the Graduate Dean upon recommendation of the major and minor advisers.
examination over the thesis and thesis field. This committee shall consist of members from the major department and at least one graduate faculty member from another department of the University. If the thesis examination is to be combined with the oral comprehensive (noted above), one-half the time shall be devoted to the thesis and one-half to the graduate courses taken by the candidate.

Final comprehensive oral examinations must be taken at least 30 days before the convocation at which it is expected that the degree will be conferred.

Oral examinations cannot be scheduled during the period between the close of the first term of the summer session and the beginning of the subsequent fall semester.

**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 who are candidates for the 36-hour Master of Science degree, the examination is a written examination held on the University campus on a specified date: the second Saturday in January, the last Saturday in April, and the fourth week of the first term of the Summer Session.

For the degree of Master of Arts, the final comprehensive examination may be either written or oral. If written, it must be arranged at the convenience of the major advisor. Candidates for the Master of Arts degree and those Master of Science degree candidates who are taking a comprehensive examination in the field of the academic minor must have completed both the major and minor comprehensive not later than 30 days prior to the commencement at which the degree is to be granted during the regular semesters, and not later than the first week of the second term of the Summer Session. If the comprehensive is to be oral, it should be arranged at the time of the oral examination over the thesis, at which time one-half of the examination can be devoted to the courses taken by the candidate and one-half to the thesis.

For the degree Master of Business Administration, the final comprehensive examination will be both written and oral. The written portion will be administered on dates corresponding to those for the M.S. degree.

If the course work has been of very high quality the minor adviser may suggest and the student's committee recommend to the Graduate Dean that the candidate be excused from the comprehensive examination covering the minor field. This does not prejudice the privilege of the minor professor giving a comprehensive, if he so desires. The minor comprehensive is given at a date arranged at the convenience of both the student and the minor adviser but falling within the limits established for all comprehensive examinations.

**TIME LIMIT FOR ALL MASTER'S DEGREES**

In evaluating credits earned toward an advanced degree, credits dating back five years or more are subject to reduction in value as determined by the Graduate Faculty. Once a student has been admitted to the Graduate College, he is expected to complete the requirements for the degree within a period of five years. Time spent in the military service of the United States may be excepted in the application of this rule.

**QUALITY OF WORK**

A "B" average must be maintained in all work taken as part of the requirements for the degree. A final grade of "C" in each of two courses in either the major or minor area will require action on the part of the Graduate Dean before the student is allowed to count further work toward the degree. A grade of "C" in each of three courses will result in automatic dismissal from the degree program.

A grade of "D" or below in either the major or minor area is considered a failing grade and the student receiving such a grade will automatically be dropped from the degree program. The student thus dropped may take course work as a "Special" student but may not be a candidate for a degree unless reinstated by the Graduate Faculty when recommended by the Graduate Dean.

A course in which a student has received a "failing" grade may not be repeated; another course may not be substituted for it in a degree program.

**INC**—A student may be reported "incomplete" if some minor portion of the work remains unfinished, provided the student's standing in the course is not below "D." An "incomplete" must be made up during the first eight weeks of the following semester. After this time an "Incomp" is computed as a failure, unless the Dean of the Graduate College has approved an extension of time.

**CLASS ATTENDANCE**

Students are expected to attend all meetings of classes for which they are registered. Absences are reported regularly. In case of an unavoidable absence it is the student's responsibility to contact his instructor promptly and arrange to make up any work missed.

**STUDY LOAD**

An average study load for a full-time student is 12 hours of course work. The maximum load for anyone working full time on another job is six hours of course work.

**COURSES FOR GRADUATE CREDIT**

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

Courses numbered 500 and above are open only to graduate students. A limited number of upper-division courses are available for graduate credit but the graduate student is expected to do a higher level of work than the undergraduate students.

**RESIDENCE REQUIREMENTS**

A minimum of 30 semester credit hours in residence (36 in case of the Master of Science in Education and the Master of Business Administration degrees), is required for granting of the Master's degree, except as provision is made for the transfer of credit. No credit will be allowed for extension or correspondence work.
Graduate students who are not working towards a Master's degree are regarded as "special" students. "Special" students include:
1. students working for graduate credit for teaching certificates
2. graduate students taking a Master's degree in another graduate school
3. graduate students working for professional growth
4. graduate students working for cultural advancement
5. graduate students whose admission is on a provisional or conditional basis; i.e. advanced seniors, students who have undergraduate deficiencies, students from unaccredited institutions, etc.

CERTIFICATION OR PROFESSIONAL GROWTH

Students who wish to take courses for graduate credit to be used for certification purposes or professional growth must meet the same admission requirements as other graduate students. They must also make application for admission to the Graduate College. (See Admission to the Graduate College.)

ADMINISTRATIVE CERTIFICATE

Students who are preparing to meet the requirements for an Administrative or Supervisory Certificate must submit to the Office of the Dean of the College at the time of application, the names of three persons who can vouch for their personal and professional qualifications as a prospective school administrator.

ADMISSION INTO CANDIDACY FOR GRADUATE DEGREE

Admission to the Graduate College 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 he can qualify for admission to candidacy. The qualifications are: (1) the scores on the Graduate Record Examination (or the Admission Test for Graduate Study in Business, if applicable) must be on file in the Graduate Office; (2) nine hours of graduate credit must have been completed at this University; and (3) a grade average of "B," with no grade lower than "C."

As a rule, no degree can be awarded in the same semester as candidacy for the degree is approved.

A Screening Committee will review the applications for candidacy for graduate degrees and will recommend approval or disapproval to the Graduate Faculty. This Screening Committee is appointed by the Dean and will consist of one member of the Graduate Faculty from each undergraduate college containing departments offering work toward graduate degrees and one representative of the Graduate College.

Application forms should be filled out by the student—in consultation with his major and minor advisers—as soon as the student can qualify for admission to candidacy. Both the major and minor programs should be carefully and completely planned at this time and the application should be signed by both the major and minor advisers. The application form and the programs of study should be filed in the graduate office and copies should be provided for the major adviser, the minor adviser, and the student.

Programs of study should be planned with acceptable alternatives included. Once approved, any modification of a program of study is permissible only upon recommendation of the major adviser if the major is concerned, the minor adviser if the minor is concerned, and the approval of the Dean of the Graduate College. One course may be substituted in an approved program, in case of exceptional hardship, by action of the Dean of the Graduate College upon recommendation of the major and minor advisers.

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. The graduation fees must be paid at the same time as the application is made. (See Calendar for date.)

THESIS

All candidates for the Master of Arts degree are required to prepare a thesis under the direction of the major adviser supported by a committee. The thesis provides an opportunity for the student to obtain firsthand experience in research methods under competent direction. Up to six hours of credit is allowed for the thesis and the candidate must include the thesis as a course in his schedule during at least one semester in residence. At the beginning of each semester after the student has initially registered for thesis credit he must inform the Graduate Office concerning the progress of his thesis. Failure to notify the Graduate Office or to be in continuous progress toward the completion of the thesis may result in loss of the thesis topic. The thesis should be initiated at least eight months before the commencement in which the student plans to receive his degree.

Three typewritten copies of the thesis (two copies for the University Library and the student's personal copy), plus an additional copy if required by the department, must be approved by the major adviser and submitted to the Graduate Office in final form no later than the second week in November in the fall semester, the third week in March in the spring semester, or the second week of the summer session. The first copy must be a typewritten copy on permanent bond paper of 20-pound weight; the other two copies should be on paper of at least 16-pound weight. Either pica or elite type may be used in typing. Full instructions for the preparation of theses should be obtained from the Graduate Office when the student registers for thesis.

The responsibility for placing the thesis in final form rests with the student and his major adviser. All theses must be written in accordance with a standard thesis manual. The Graduate Faculty has approved an official manual for each department and the student will be advised by his major adviser of the standard form to be used.

The cost of binding three copies (see Fees) must be paid by the candidate at the time the thesis is submitted in final form to the Graduate Office. If the department conducting the thesis requires an additional copy, it is to be bound at department expense. The fees are payable in the Cashier's Office.

ORAL EXAMINATION ON THESIS

After the thesis has been delivered to the Graduate Office in final form, the Dean, upon nomination from the major adviser, will appoint or reconfirm a committee to read the thesis and to conduct the oral
CLASSIFICATION OF ADMISSION

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 15 semester hours of undergraduate work that meet specific requirements of the departments in his graduate major and minor. A student from an institution which is not regionally accredited will be admitted on the same basis as he would be admitted by the state university or reporting institution in that state. In such cases, further work may be required, or suitable examinations, or in some cases the completion of a Bachelor's degree in an accredited institution. In addition to the specified transcript record, appropriate scores of the Graduate Record Examination should be supplied to the Graduate Dean prior to first enrollment.

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 the Graduate College. This provisional status will continue until such time as the student has completed all of the undergraduate prerequisites for graduate study. A student on a provisional basis may, with the recommendation of the department head concerned, and the approval of the Graduate Dean, take the undergraduate prerequisite courses and a graduate course concurrently, provided he has met the prerequisite requirements for the graduate course.

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 who has less than a C average upon recommendation of the departments of the major department (and minor if one is involved) and approval by the Graduate Dean. 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.

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

Special

Special students who are not working on a degree program may be permitted to take graduate courses. This applies to graduate students who are meeting requirements for renewal of a teaching certificate, professional growth courses for graduate credit, or students who are taking courses for cultural reasons. Students taking work in the special student classification must hold a Bachelor's degree from a regionally accredited institution and meet the prerequisite requirements set up by the departments in which they are doing their work. Any graduate credit earned by such a special student may be applied toward a degree program only after a student has been granted full standing (unconditional admission) and only if the credits he has earned are applicable on the degree program.

The cognizant Department Head recommends unconditional admission with all credits specified and then the Graduate Dean rules on the student's application.

Conditional

A student who is within three semester hours of having completed all requirements for the Bachelor's degree at the University of Nebraska at Omaha may be provisionally admitted to the Graduate College.

Admission to Teacher 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.

POST MASTER

Many students who pursue graduate studies beyond a Master's degree are not in degree programs. If the study is to occur in departments other than where the Master's degree was granted, the student should inquire in the Graduate College about advisement prior to enrolling.

EXAMINATIONS FOR GRADUATE STUDENTS

Graduate students who are candidates for any Master's or Specialist in Education degree are required to take the Graduate Record Examination (or ATGSB) during their first semester of enrollment in the Graduate College, unless they have taken it previously and have made the scores available to the Dean of the College.

This examination, which requires no special preparation or review, gives valuable evidence of a student's qualifications for graduate work and is helpful in planning courses of graduate study. A nominal fee is charged for the examination. A student who has not taken the examination prior to his application for admission to the Graduate College 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 studied.

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

FOREIGN LANGUAGE REQUIREMENT

The major department may require a candidate for the Master's degree to demonstrate by examination a satisfactory reading knowledge of one modern foreign language. Specific instructions regarding the language requirement may be obtained from the student's adviser.

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 his major adviser and of the Dean of the Graduate College if he is registering for more than twelve hours or more than fifteen hours without an assistantship. Students must have been formally admitted to the Graduate College prior to their first registration.
1. He has an earned doctorate or the equivalent; or, if a doctorate is not usual in the field in which he teaches, a terminal degree and special competence in the field being taught.
2. He has demonstrated ability in scholarly research or professional development activities.
3. He has three years teaching experience at the college or university level beyond graduate assistantships or part-time instructorships, or equivalent experience.
4. He holds a full-time appointment at the University with faculty rank.
5. He has a rank of assistant professor or higher.

Graduate faculty members have the responsibility within their departments to design and revise courses for which graduate credit is offered. They counsel graduate students in major and minor fields and serve on graduate students' committees.

PURPOSE

The Graduate College provides the opportunity, the faculty and the resources to meet the various needs of graduate students for more advanced and more specialized education than the undergraduate work upon which all graduate programs are founded.

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 stipends range upwards from $2400. 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 Head of the major department recommends the abnormally high work load to the Graduate Dean for his approval.

Applications and their supporting credentials must be received on or before March 1. Address requests for information and application forms to the Dean of the Graduate College.

SCHOLARSHIPS

Phi Delta Gamma, a national sorority for women, offers an annual scholarship of $200 to a woman graduate student who has completed approximately half her graduate work with an excellent record. For applications and details concerning this scholarship, contact the Dean of the Graduate College. Applications should be in the Graduate Office by March 1 of each year to be considered for the following academic year. Loans are also available to qualified graduate students.

ORGANIZATIONS

Phi Delta Gamma is a national sorority for graduate women in all fields. Membership is by invitation.

Phi Delta Kappa is a national fraternity for men who are graduate students in Education. Membership is by invitation.

Beta Gamma Sigma is a national honorary society for students in Business Administration. Membership is by invitation.

Psi Chi is a national honorary association for graduate students in Psychology. Membership is by invitation.

Omicron Delta Epsilon is a national honorary association for graduate students in Economics. Membership is by invitation.

PROCEDURES AND REGULATIONS

Admission and Transcripts

The student admitted to graduate study is advised to familiarize himself with the academic regulations of the University and the Graduate College, and the student is expected to assume full responsibility for knowing the particular requirements of his own academic program. The student is responsible for complying with all regulations of the University, the Graduate College, and the departments of instruction, and for meeting all requirements for his degree. The student should consult with his adviser whenever he has any question concerning the requirements for his degree.

New students should correspond with, or go directly to, the Director of Admissions in order to apply for admission. Each new student will be required to file with the Director of Admissions:
1. An application for graduate study at the University of Nebraska at Omaha.
2. Present two (2) official transcripts of all undergraduate (and graduate, if any) college work previously taken. (Graduates of the University of Nebraska at Omaha need not submit transcripts.)
3. Pay a transcript evaluation fee of $5 at the Cashier's Office and have the receipt validated by the Director of Admissions. When applying by mail, enclose a check payable to the University for the transcript evaluation fee.
4. Scores of the Graduate Record Examination or Admission Test for Graduate Study in Business should be filed in the Graduate Office.

Applications for admission should be in the office of the Director of Admissions on or before September 1, January 15, or June 1 according to the time when the student expects to matriculate. Applications for admission, together with transcripts, must be filed not only by those students desiring to work for a degree, but also by students desiring graduate credit for a renewal of a teacher's certificate or for graduate credit to be transferred to some other school.

Foreign students must provide letters of recommendation, statements of financial independence, and evidence of ability to speak and write the English language. The baccalaureate degree must have been received from an institution accredited by the proper accrediting agencies.

Admission to the Graduate College does not admit the student to candidacy for any graduate degree. (See "Admission to Candidacy for Graduate Degrees."
THE GRADUATE COLLEGE

GRADUATE LECTURERS

D. CRAIG AFFLECK
Ph.D., Northwestern University, 1954
Psychology

CRAIG FULLERTON
Ph.D., State University of Iowa, 1963
Education

RENE HLAVAC
Ed.D., University of Nebraska, 1962
Education

RANDALL T. KLEMMEE
Ph.D., Iowa State College, 1947
Economics

WALTER PARKER MOORE, JR.
Ph.D., University of Illinois, 1964
Engineering

EDWIN HUGO PARRISH
Ed.D., University of Nebraska, 1965
Education

NEILS WODDER
Ed.D., University of Nebraska, 1958
Psychology

ACREDITED STANDING

The University of Nebraska at Omaha is accredited by the North Central Association of Colleges and Secondary Schools, the National Council for Accreditation of Teacher Education, and is a member of the National Commission of Accrediting (not an accrediting agency), the American Association of Colleges for Teacher Education, the Association of Urban Universities, the Association of American Colleges, the National University Extension Association, the American Association of University Women, the Council of Graduate Schools in the United States, the Midwest Conference on Graduate Study and Research, the Association of University Evening Colleges, the Adult Education Association of the United States, American Association of Collegiate Schools of Business, Association of Governing Boards, the approved list of the International Reading Association, and the American Council on Education. Its courses are accepted, for purposes of teacher certification, by the Nebraska State Department of Public Instruction.

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

UNIVERSITY REGULATIONS

The University and its various colleges, divisions, and departments reserve the right to change the regulations controlling admission to, instruction in, and graduation from the University or its various divisions.

Such regulations are operative whenever the University authorities deem necessary and apply not only to prospective students but also to those currently enrolled in the University.

The University also reserves the right to withdraw courses, to reassign instructors, and to change tuition and fees at any time.

UNIVERSITY OF NEBRASKA AT OMAHA

GRADUATE COLLEGE

Elton S. Carter, Dean
Robert C. O'Reilly, Assistant Dean

The first Master's degree was awarded by a special vote of the Board of Regents of the "old" University of Omaha in June, 1931. Graduate work leading to the Master of Arts degree was authorized by the newly organized Municipal University, September, 1931, to be supervised by a Committee on Graduate Studies. In 1942, the Graduate Division was established. The degree of 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 Division. In 1960, the Board of Regents authorized a year of graduate study in Education beyond the Master's degree. In 1966, the Graduate Faculty replaced the Graduate Council.

Recognizing the growing importance of graduate education, the Board of Regents, in October, 1962, 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.

The Graduate College at the University of Nebraska at Omaha was established to provide an opportunity for advanced study and independent investigation in a limited number of fields of learning for qualified students:

1. To work toward a Master of Arts, Master of Science, Master of Business Administration, or Education Specialist degree.

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

3. To provide for professional advancement and scholarly objectives.

Consistent with these objectives, numerous opportunities are provided for advanced students to design and conduct original research or investigation to discover facts, methods or values. Working with the guidance of a major advisor, the student must exercise his own initiative to master and apply the principles of methodical study and evaluation, utilizing the existing literature in his chosen field of study. To enable the student to attain these objectives, the Graduate College provides workshops, institutes, seminars, research and special problems courses, and the supervision of theses or special projects.

Throughout the Graduate College promotes the spirit of free investigation in the various fields of knowledge, and at the same time serves to unite the various branches of the University in the common task of advancing human knowledge and providing for society intelligent, capable leadership.

ADMINISTRATION

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 of the College serves as Chairman of the Graduate Faculty.

A member of a department offering courses for graduate credit, upon recommendation of the Dean of the College in which he teaches and of the Dean of the Graduate College, with concurrence of the appropriate Department Head, shall be nominated for membership in the Graduate Faculty by the Academic Standards and Curriculum Committee of the Graduate College if:

(1) To work toward a Master of Arts, Master of Science, Master of Business Administration, or Education Specialist degree.

(2) To earn graduate credit for the issuance or renewal of certificates for teachers and administrators.

(3) To provide for professional advancement and scholarly objectives.

Consistent with these objectives, numerous opportunities are provided for advanced students to design and conduct original research or investigation to discover facts, methods or values. Working with the guidance of a major advisor, the student must exercise his own initiative to master and apply the principles of methodical study and evaluation, utilizing the existing literature in his chosen field of study. To enable the student to attain these objectives, the Graduate College provides workshops, institutes, seminars, research and special problems courses, and the supervision of theses or special projects.

Throughout the Graduate College promotes the spirit of free investigation in the various fields of knowledge, and at the same time serves to unite the various branches of the University in the common task of advancing human knowledge and providing for society intelligent, capable leadership.
W. C. B. LAMBERT .................................. Political Science
Ph.D., Washington University, 1950; Professor

RICHARD L. LANE .................................. English
Ph.D., University of Arkansas, 1968; Associate Professor

WILLIAM B. LE MAR .................................. Engineering
M.E., Yale University, 1947; Registered Professional Engineer; Associate Professor

WALTER W. LINSTROMBERG .................. Chemistry
Ph.D., University of Missouri, 1958; Professor

JOHN W. LUCAS .................................. Business Administration
M.B.A., Ohio State University, 1956; Professor; Head of Department; Dean, College of Business Administration

S. R. LUNT .................................. Biology
Ph.D., University of Utah, 1964; Assistant Professor

KULIP SINGH MALI .................................. Economics
Ph.D., Indiana University, 1956; Associate Professor

DONALD MANSON .................................. Speech
Ph.D., Pennsylvania State University, 1966; Assistant Professor

D. N. MARQUARDT .................................. Chemistry
Ph.D., State University of Iowa, 1940; Professor and Head of Department

ANSON D. MARSTON .................................. Engineering
M.S.C.E., University of Wisconsin, 1926; E.E., Iowa State University, 1921; Registered Professional Engineer; Professor and Dean, College of Engineering and Technology

KATHLEEN MCKENNEY .................................. Special Education
Professional Diploma, Columbia University, 1957; Assistant Professor

JOHN G. MCILMUL .................................. Physics
M.A., University of Nebraska, 1942; Professor and Head of Department

O. D. MENARD .................................. Political Science
Ph.D., University of Nebraska, 1964; Associate Professor

JOYCE MINTIER .................................. Business Administration
Ed.D., University of Indiana, 1957; Professor

WOODROW L. MOST .................................. Foreign Languages
Ph.D., Laval University, 1933; Professor and Head of Department

KIRK E. NAYLOR .................................. Education
Ph.D., University of Kansas, 1956; Professor and President

G. A. NEWKIRK .................................. English
Ph.D., University of Denver, 1950; Associate Professor

M. GENE NEWPORT .................................. Management
Ph.D., University of Illinois, 1963; Professor

JOHN M. NEWTON .................................. Psychology
Ph.D., Ohio State University, 1958; Professor and Head of Department

B. GALE OLESON .................................. Counseling and Guidance
Ph.D., University of Wyoming, 1953; Professor; Head, Department of Counseling and Guidance; Director Academic Testing and Counseling

ROBERT C. O'REILLY .................................. Education
Ed.D., University of Kansas, 1952; Professor; Assistant Dean, Graduate College

D. T. PEDRINI .................................. Psychology
Ph.D., University of Texas, 1950; Professor

JAMES B. PETERSON .................................. Music
Ph.D., State University of Iowa, 1953; Professor and Head of Department

WILLIAM R. PETROWSKI ....................... History
Ph.D., University of Wisconsin, 1956; Assistant Professor

DONALD J. PFLASTERER ............................ Education
M.Ed., University of Nebraska, 1952; Associate Professor; Dean of Student Personnel

LEONARD PRESTWICH .................................. Marketing
Ph.D., Ohio State University, 1957; Professor

GEORGE R. RACHFORD ............................ Education
Ed.D., Indiana University, 1956; Professor; Vice President, Campus Development

M. N. REDDY .................................. Engineering
Ph.D., Oklahoma State University, 1965; Associate Professor

AROLD J. RETAILLICK ............................ Geography
Ph.D., Clark University, 1950; Professor

EDITH RASMUSSEN .................................. Biology
Ph.D., Cornell University, 1941; Associate Professor

HARRY W. REYNOLDS, JR. ........................ Political Science
Ph.D., University of Pennsylvania, 1954; Associate Professor

ROY M. ROBBINS .............................. History
Ph.D., University of Wisconsin, 1929; Professor

WILLIS P. ROSES .................................. Government & Business
J.D., University of Utah, 1951; Ph.D., Ohio State University, 1959; C.P.C.U.; Professor

PHILIP H. VOGT .................................. Sociology
M.S., Washington University, 1935; Professor

RALPH M. WARDLE .................................. English
Ph.D., Harvard University, 1940; The Jefferson Professor of English Literature and Head of Department

FLOYD T. WATKINS .................................. Education
Ed.D., Columbia University, 1960; Professor

WAYNE WHEELER .................................. Sociology
Ph.D., University of Missouri, 1959; Professor and Director of Urban Studies

RICHARD L. WIKOFF .................................. Psychology
Ph.D., Oklahoma State University, 1955; Assistant Professor

RAYMOND A. ZIEBARTH ............................ Secondary Education
Ph.D., University of Minnesota, 1963; Professor and Head of Department
INDEX—Continued

Matriculation fee, 24
Mentally retarded, major, 33
Non-residents of Nebraska, 25
Officers of the University, 7
Organization of Graduate College, 13
Organizations, student, 14, 15
Physics, courses in, 60
Political Science minor courses in, 60-62
Procedures, Regulations, 15
Psychology, Master of Arts, 27
Master of Science Educational and Industrial Psychology, 30, 31
courses in, 62-64
Quality of Work, 21
Reading, major, 32
Refunds, 24, 25
Regents, Board of, 7
Registration, procedure, 17
dates for, see calendar, 4, 5
fees, 23, 24
Residence requirements, 21, 25
School Administration, 32
courses in, 46, 47
School Psychologists, 37
Scholarships, 14
Secondary Education, major, 31
courses in, 44, 45
Sociology, Applied, 29
courses in, 64-66
Spanish minor
courses in, 53, 54
Special students, 16
Special Education, courses in, 47-50
Specialist in Education Degree, 35-37
Speech Pathology, Master of Arts, 26
Master of Science, 31, 33
courses in, 47
Speech & Drama, courses in, 67, 68
Thesis,
Submission date—see calendar,
4, 5
Binding fee, 24
Examination, 19
Time limit for Master's degree, 20
Transcripts of undergraduate & graduate credits for admission, 15
Transfer of credit, 22
Tuition, 23, 24
University Regulations, 12
Withdrawal, 22
Workshops, in education, 22
Dramatic Theory and Criticism (II) - 3 hours

For advanced students of dramatic literature. The course will explore the important dramatic theories and criticism from Aristotle to contemporary drama.

PREREQ: Speech 229 or permission of instructor

Thesis - 1-3 hours each

Independent research project written under the supervision of an advisor.