GETTING STARTED

1. Steps to Graduate Admissions
   http://www.unl.edu/gradstudies/prospective/steps/
   UNL Graduate Studies
   1100 Seaton Hall
   Lincoln, NE 68588-0619
   (402) 472-2878 or (800) 742-8800 ext. 2878

2. Enroll in courses
   myred.unl.edu
   Distance students should enroll in courses as soon as possible as space may be limited in some courses.
   To enroll in classes, you’ll need your eight-digit NU ID Number that you received from Graduate Studies upon acceptance to UNL. To find distance courses when using Class Search in MyRED, choose “Distant Delivery” as the location in the Advanced Search Criteria section.

   Courses listed in this catalog are subject to change. The most up-to-date list of courses is available in MyRED. For instructions, please refer to http://www.unl.edu/regrec/registration-tips-and-techniques.

3. Purchase your textbooks
   Information about required textbooks for UNL courses can be obtained from the University Bookstore. You are not obligated to purchase your books from this vendor.
   University Bookstore
   Lower Level–Nebraska Union
   Lincoln, NE 68588-0460
   (402) 472-7300 or (800) 735-6835
   Fax: (402) 472-7385
   E-mail: nutext@unl.edu
   www.unebraska.bkstr.com

4. Know where and how to access your course
   Access to high speed Internet and e-mail are required for all distance courses. Some courses have specific computer and equipment requirements. These requirements are listed under the college headings throughout this course catalog.
   UNL distance courses are delivered through Blackboard, an online learning management system. Blackboard can be accessed at my.unl.edu.

5. Pay tuition balance
   View your bill and due dates at myred.unl.edu. For instructions, please refer to http://studentaccounts.unl.edu/accessing-your-bill-myred.
   Tuition and Fees
   http://studentaccounts.unl.edu/

ACADEMIC CALENDAR
   http://registrar.unl.edu/academic-calendar-1

TECHNICAL AND COMPUTER SUPPORT
   Information Services Computer Help Center
   www.unl.edu/helpdesk
   (866) 472-3970 (toll free)
   (402) 472-3970 (local)
   E-mail: helpdesk@unl.edu

LIBRARY SERVICES
   University Libraries
   Charlene Maxey-Harris
   Chair, Research & Instructional Services
   (402) 472-8700
   E-mail: cmaxeyharris2@unl.edu
   http://libraries.unl.edu
AGRICULTURAL SCIENCES & NATURAL RESOURCES

casnr.unl.edu

To enroll in courses with suppressed class numbers (****), contact the department for permission and they will provide you with the class number.

• Agricultural Economics (AECN): (402) 595-2346
• Agricultural Leadership, Education, and Communication (ALEC): (402) 472-2807
• Agricultural Sciences (AGRI): (402) 472-2201
• Agronomy & Horticulture (AGRO & HORT): (402) 472-1560
• Animal Sciences (ASCI): (402) 472-3571
• Entomology (ENTO): (402) 472-2123
• Veterinary & Biomedical Sciences (VBMS): (402) 472-2952

Computer Requirements

Agronomy and Horticulture
• Minimum 56K modem access to Internet
• Some courses require CD-Rom or free player plugins
• Blackboard access

Entomology
Courses may use a combination of the following:
• Internet: 56K modem required, high speed Internet connection recommended
• CD-ROM
• DVD player
• E-mail
• Blackboard access
• Adobe Reader
• RealPlayer and possibly similar programs
• PowerPoint
• Microsoft Word

Agribusiness Entrepreneurship

Business Management for Agricultural Enterprises

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Class #</th>
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<tr>
<td>EAEP 888</td>
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<tr>
<td>AGRO 888</td>
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<td>ENTR 888</td>
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<tr>
<td>HORT 888</td>
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</tbody>
</table>

Instructor: David Lambe

Research a specific agricultural enterprise. Develop and present a business plan using materials from the primary area of interest.

Agricultural Economics

Environmental Law

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AECN 856</td>
<td>3</td>
<td>18055</td>
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</tbody>
</table>

Instructor: J. David Aiken

Administrative law, risk assessment, environmental impact review, Clean Air Act, Clean Water Act, non-point pollution control, wetlands regulations, pesticide and toxic substance regulation, solid and hazardous waste regulation, drinking water protection, land use regulation, energy policy, and international environmental law.

Ag Leadership, Education and Communication

Overview to Program Planning

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Class #</th>
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</thead>
<tbody>
<tr>
<td>ALEC 800</td>
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</table>

Instructor: Lloyd Bell

Prerequisite: Permission

Theoretical and applied considerations for identifying content, design, implementation, and evaluation of educational programs that varies in length from several hours to several months. Designed for individuals interested in developing and/or improving program planning skills.
Advanced Teaching Strategies
ALEC 805 700 3 credits  Class # ****
Instructor: Lloyd Bell
Time: Thursdays, 4:00-6:50 p.m. CST
Prerequisite: Permission
Adobe connection required.
Contemporary and innovative teaching strategies, emphasizing learner-centered instruction, suitable to teaching in college and postsecondary institutions, outreach programs public schools, and other settings. Students participate in active learning as they apply learning theory in practice, prepare and demonstrate teaching methods, and plan for instruction in discipline areas of their choice.

Environmental Leadership
ALEC 810 700 3 credits  Class # 2183
NRES 813 700 3 credits  Class # 2184
Instructor: Courtney Quinn
Major leaders in conservation and ecology that emphasizes agricultural and cultural issues and relationships with the environment.

Leadership & Motivation
ALEC 877 700 3 credits  Class # 2187
Instructor: Staff
Classic and contemporary motivation theories applied to leadership in organizations and communities.

Organization of the Agricultural Mechanics Program
ALEC 908 700 2-3 credits  Class # 2613
Instructor: Dann Husmann
Philosophy, objectives, procedures, and techniques used in organizing the program of agricultural mechanics instruction for secondary and post-high school students and adults. Determining units of instruction, evaluating student effort, procedures in shop instruction, selection of equipment, and integration into the vocational agriculture program.

Program Development in Occupational Education
ALEC 913 700 3 credits  Class # ****
Instructor: Lloyd Bell
Prerequisite: Permission
Philosophy and objectives of occupational education. Techniques of program development, choosing instructional areas, determining sequences, planning time distributions, integrated course of study and meeting individual needs, youth activities.

Doctoral Seminar in Leadership Studies
ALEC 995 700 3 credits  Class # ****
Instructor: Staff
Prerequisite: Permission.
Outcome-based scholarly activities with a faculty mentor. Working on either an individualized or small group basis, students develop, execute, and report one or more projects addressing the interaction between research and practice.

Agricultural Sciences

Master of Applied Science Project
AGRI 897 700 1-6 credits  Class # 1594
AGRO 897 700 1-6 credits  Class # 1648
HORT 897 700 1-6 credits  Class # 1919
NRES 897 700 1-6 credits  Class # 2664
Instructor: John Markwell
Prerequisite: Admission to Master of Applied Science degree program
Project activity for the Master of Applied Science degree. Design, develop and complete a project that requires synthesis of the course topics covered in the primary area of emphasis.
Agronomy

Crop Genetic Engineering
AGRO 811 700 1 credit  Class # 17549
Instructor: Deana Namuth Covert
Dates: 9/12/2014 – 10/17/2014
Basic steps required to produce genetically engineered crops. Genetic engineering procedures used to develop current crops and innovations that will lead to future products. Genetic engineering process and predicting how changes in different steps of the process influence the final crop. Application of genetic engineering technology to plan the development of new genetically engineered crops.

Self-Pollinated Crop Breeding
AGRO 815A 700 1 credit  Class # 1633
ENTO 815A 700 1 credit  Class # 1834
Instructor: P. Stephen Baenziger
Dates: 8/26/2014 – 9/25/2014
Self-pollinated plant breeding theory and methods. Pedigree, bulk, single seed descent, back-crossing methods and inbreeding theory.

Germplasm and Genes
AGRO 815B 700 1 credit  Class # 1635
ENTO 815B 700 1 credit  Class # 1836
Instructor: P. Stephen Baenziger
Obtaining germplasm and genes from cultivated plants, wild relatives of cultivated plants, and the biosphere. Origination of crops, mutation genetics, biotechnology as a source of genes, chromosomal engineering and plant reproduction.

Cross Pollinated Crop Breeding
AGRO 815D 700 1 credit  Class # 2153
ENTO 815D 700 1 credit  Class # 2154
Instructor: Thomas Hoegemeyer
Cross-pollinated breeding theory and methods. Genes in populations, recurrent selection methods, creating populations, hybrid production practices, and population improvement theory.

Agricultural Biochemistry
AGRO 818 700 2 credits  Class # 2181
BIOC 818 700 2 credits  Class # 2180
Instructor: John Markwell
Prerequisite: Undergraduate major in life sciences or related area, and a course in biochemistry
A Web-based course. Biochemical underpinnings of agricultural production and processing systems. Agricultural biotechnology; bioenergetics; kinetics and enzyme regulation; interaction of biomolecules with light, photosynthesis and the balance between anabolism and catabolism in microbes, plants and animals.

Business Management for Agricultural Enterprises
AGRO 888 700 3 credits  Class # 2659
EAEP 888 700 3 credits  Class # 2663
ENTR 888 700 3 credits  Class # 6065
HORT 888 700 3 credits  Class # 2655
Instructor: David Lambe
Research a specific agricultural enterprise. Develop and present a business plan using materials from the primary area of interest.
Graduate Degree Project Credits

AGRO 894  700  1-6 credits  Class # ****
HORT 894  700  1-6 credits  Class # ****

Instructor: Mark Lagrimini
Prerequisites: Department consent required. Admission to Master of Agronomy or Horticulture degree program.
Design, develop and complete a project that requires synthesis of the course topics covered in the primary area of emphasis. Project activity for the nonthesis option II MS degree.

Independent Study

AGRO 896  700  1-6 credits  Class # ****

Instructor: Mark Lagrimini
Prerequisites: Department consent required.
Individual or group projects in research, literature review, extension of course work under supervision and evaluation of a departmental faculty member.

Masters Applied Science Project

AGRO 897  700  1-6 credits  Class # 1648
AGRI 897  700  1-6 credits  Class # 1594
HORT 897  700  1-6 credits  Class # 1919
NRES 897  700  1-6 credits  Class # 2664

Instructor: John Markwell
Prerequisite: Admission to Masters of Applied Science degree program
Project activity for the Master of Applied Science degree. Design, develop and complete a project that requires synthesis of the course topics covered in the primary area of emphasis.

Masters Thesis

AGRO 899  700  1-10 credits  Class # ****

Instructor: Mark Lagrimini
Prerequisite: Department consent required.

Biological Chemistry

Agricultural Biochemistry

BIOC 818  700  2 credits  Class # 2180
AGRO 818  700  2 credits  Class # 2181

Instructor: John Markwell
Prerequisite: Undergraduate major in life sciences or related area, and a course in biochemistry
A Web-based course. Biochemical underpinnings of agricultural production and processing systems. Agricultural biotechnology; bioenergetics; kinetics and enzyme regulation; interaction of biomolecules with light, photosynthesis and the balance between anabolism and catabolism in microbes, plants and animals.

Entomology

Insect Ecology

ENTO 806  700  3 credits  Class # 2827
BIOS 806  700  3 credits  Class # 17570

Instructor: Stephen Danielson
Interrelationships of biotic and abiotic factors as they influence insect development, behavior, distribution and abundance.

Insects as Educational Tools for the Classroom

ENTO 810  700  3 credits  Class # 12928

Instructor: Douglas Golick
Insect diversity, insect structure and function, insect ecology and behavior, and the beneficial and detrimental roles of insects. Integration of the study of insects into the classroom to enhance science education.
Self-Pollinated Crop Breeding

ENTO 815A  700  1 credit  Class # 1834
AGRO 815A  700  1 credit  Class # 1633
Instructor: P. Stephen Baenziger
Dates: 8/26/2014 – 9/25/2014

Self-pollinated plant breeding theory and methods. Pedigree, bulk, single seed descent, back-crossing methods and inbreeding theory.

Germplasm and Genes

ENTO 815B  700  1 credit  Class # 1836
AGRO 815B  700  1 credit  Class # 1635
Instructor: P. Stephen Baenziger

Obtaining germplasm and genes from cultivated plants, wild relatives of cultivated plants, and the biosphere. Origination of crops, mutation genetics, biotechnology as a source of genes, chromosomal engineering and plant reproduction.

Cross Pollinated Crop Breeding

ENTO 815D  700  1 credit  Class # 2154
AGRO 815D  700  1 credit  Class # 2153
Instructor: Thomas Hoegemeyer

Cross-pollinated breeding theory and methods. Genes in populations, recurrent selection methods, creating populations, hybrid production practices, and population improvement theory.

Insecticide Toxicology

ENTO 820  700  3 credits  Class # ****
Instructor: Blair Siegfried
Prerequisite: Department consent required. 12 hrs biological sciences; 4 hrs organic chemistry.

Principles of toxicology, insecticide classification, mode of action, metabolism and consequences of insecticide use.

Management of Agronomic Crop Insects

ENTO 825  700  3 credits  Class # 12929
Instructor: Robert Wright
Prerequisite: An introductory entomology course.

Identification, biology, ecology and management of insect pests of agronomic crops such as corn, soybeans, sorghum, wheat, and alfalfa. Integrated Pest Management (IPM) strategies employed to maintain pests below damaging levels while minimizing the use of traditional insecticides.

Master’s Degree Project

ENTO 888  700  4 credits  Class # 1838
Instructor: Robert Wright, Stephen Danielson, Thomas Weissling

Application of graduate course work for the non-thesis MS degree program.

Independent Study in Entomology

ENTO 896  700  1-6 credits  Class # ****
Instructor: Stephen Danielson
Prerequisites: Department consent required.

Individual or group projects in research, literature review, or extension of course work under supervision and evaluation of a department faculty member. Independent study contracts for ENTO 896 must be filed with department.

Independent Study in Entomology

ENTO 896  701  3 credits  Class # 12931
Instructor: Helena Puche

Individual or group projects in research, literature review, or extension of course work. Independent study contracts for ENTO 896 must be filed with department.
Presentation Methods

ENTO 915 700 3 credits Class # ****
Instructor: Douglas Golick, Lana Johnson
Prerequisites: Permission.
Special Fee: $50

This course prepares entomology graduate students to give scientific and public presentations. It includes instruction in preparing posters and on-screen shows, image editing, finding entomological resources in libraries and on the internet, insect photography, and public speaking. Students develop a portfolio of their work, and they make two 12- and one 30-minute presentations to their classmates.

Entrepreneurship

Business Management for Agricultural Enterprises

ENTR 888 700 3 credits Class # 6065
AGRO 888 700 3 credits Class # 2659
EAEP 888 700 3 credits Class # 2663
HORT 888 700 3 credits Class # 2655
Instructor: David Lambe

Research a specific agricultural enterprise. Develop and present a business plan using materials from the primary area of interest.

Food Science Technology

Food Microbiology

FDST 805 700 3 credits Class # ****
BIOS 845 700 3 credits Class # ****
Instructor: Andrew Benson; Robert Hutkins
Prerequisite: Department consent required.

Nature, physiology, and interactions of microorganisms in foods. Introduction to food-borne diseases, the effect of food processing systems on the micro flora of foods, principles of food preservation, food spoilage, and foods produced by microorganisms. Food plant sanitation and criteria for establishing microbial standards for food products.

Doctoral Dissertation

FDST 999 700 1-10 credits Class # ****
Instructor: Staff
Prerequisite: Permission

Forensic Science

Principles of Forensic Photography

FORS 802 700 1 credit Class # 2635
Instructor: Larry Barksdale
NOTE: Students supply own digital camera

Concepts, techniques, analysis and interpretation of photographic evidence.

Bloodstains as Evidence

FORS 804 795 1 credit Class # 2637
Instructor: Larry Barksdale

Documentation and interpretation of geometric bloodstains calculating probable origins, and collecting blood as a source of DNA evidence.

Horticulture

Business Management for Agricultural Enterprises

HORT 888 700 3 credits Class # 2655
AGRO 888 700 3 credits Class # 2659
EAEP 888 700 3 credits Class # 2663
ENTR 888 700 3 credits Class # 6065
Instructor: David Lambe

Research a specific agricultural enterprise. Develop and present a business plan using materials from the primary area of interest.
### Graduate Degree Project Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Class #</th>
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<tr>
<td>HORT 894</td>
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<tr>
<td>AGRO 894</td>
<td>1-6</td>
<td>****</td>
</tr>
</tbody>
</table>

Instructor: Mark Lagrimini

Prerequisites: Department consent required. Admission to Master of Agronomy or Horticulture degree program.

Design, develop and complete a project that requires synthesis of the course topics covered in the primary area of emphasis. Project activity for the nonthesis option II MS degree.

### Independent Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Class #</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 896</td>
<td>1-5</td>
<td>2867</td>
</tr>
</tbody>
</table>

Instructor: Mark Lagrimini

Prerequisite: Department consent required.

Individual or group projects in research and literature review under supervision and evaluation of a departmental faculty member.

### Master’s Applied Science Project

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Class #</th>
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<tbody>
<tr>
<td>HORT 897</td>
<td>1-6</td>
<td>1919</td>
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<td>AGRI 897</td>
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<td>1594</td>
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<tr>
<td>AGRO 897</td>
<td>1-6</td>
<td>1648</td>
</tr>
<tr>
<td>NRES 897</td>
<td>1-6</td>
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</tr>
</tbody>
</table>

Instructor: John Markwell

Prerequisite: Admission to Master of Applied Science degree program

Project activity for the Master of Applied Science degree. Design, develop and complete a project that requires synthesis of the course topics covered in the primary area of emphasis.

### Natural Resources

#### Environmental Leadership

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Class #</th>
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<tbody>
<tr>
<td>NRES 813</td>
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<td>2184</td>
</tr>
<tr>
<td>ALEC 810</td>
<td>3</td>
<td>2183</td>
</tr>
</tbody>
</table>

Instructor: Courtney Quinn

Major leaders in conservation and ecology that emphasizes agricultural and cultural issues and relationships with the environment.

#### Laboratory Earth: Climate Research Applications

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Class #</th>
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</thead>
<tbody>
<tr>
<td>NRES 830</td>
<td>3</td>
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</table>

Instructor: Russanne Low

Climate-change issues serve as a context to develop research questions and design a discrete, locally oriented research project through which they define a problem, analyze data, and develop conclusions to potentially impact decision-making in their community. Designed for science educators.

#### Masters Applied Science Project

<table>
<thead>
<tr>
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<th>Class #</th>
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</thead>
<tbody>
<tr>
<td>NRES 897</td>
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<tr>
<td>HORT 897</td>
<td>1-6</td>
<td>1919</td>
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</table>

Instructor: John Markwell

Prerequisite: Admission to Masters of Applied Science degree program

Project activity for the Master of Applied Science degree. Design, develop and complete a project that requires synthesis of the course topics covered in the primary area of emphasis.

#### Special Topics in Natural Resources: Earth & Geospatial Technological Applications

<table>
<thead>
<tr>
<th>Course</th>
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<th>Class #</th>
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</thead>
<tbody>
<tr>
<td>NRES 898</td>
<td>1-6</td>
<td>2819</td>
</tr>
</tbody>
</table>

Instructor: Russanne Low

Current issues in natural resource sciences.
Veterinary & Biomedical Science

Seminar
VBMS 909 700 1-4 credits Class # ****
Instructor: Donna Bode
Prerequisite: Department consent required
Time: Mondays, 4:00-4:50 p.m. CST

AG*IDEA

www.gpidea.org

The Great Plains Interactive Distance Education Alliance (IDEA) is a multi-state alliance of universities which share courses in order to offer fully online programs. The following distance programs are offered at UNL through the alliance:
• Advanced Horticulture Graduate Certificate
• Community Development Concentration within the Master of Applied Science
• Floriculture & Nursery Production Management Graduate Certificate
• Food Safety and Defense Graduate Certificate
• Grassland Management Graduate Certificate
• Ornamentals, Landscape & Turf Graduate Certificate

For information on the Great Plains IDEA programs listed above contact:
Diane Wasser
(402) 472-6251
Dwasser1@unl.edu
The Master of Science in Architecture degree offers a Specialization in Interior Design. The Specialization in Interior Design within the Master of Science Degree in Architecture is a post professional, scholarly research based curriculum. This 36 credit hour program of study is designed for those students who have successfully completed a CIDA accredited (formerly FIDER) undergraduate degree in interior design or closely related field.

To enroll in courses with suppressed class numbers (**), contact the department for permission to register and they will provide you with the class number.

Architecture & Interior Design (ARCH & IDES): (402) 472-4065

For more information contact:
Dr. Betsy Gabb
(402) 472-9245
Fax: (402) 472-3806
E-mail: bgabb1@unl.edu or
Graduate Admissions Coordinator
(402) 472-4065
Fax: (402) 472-3806

Computer Policy — Interior Design
All students in the College of Architecture’s Interior Design program (UNL and UNO) are required to lease, purchase or have ready access to a laptop computer that meets or exceeds the specifications listed below. Students in the Interior Design program are restricted to the PC platform. This notebook computer is an integral tool in architectural education.

MUST HAVE:
• Microsoft Windows ME, 2000, XP or Mac OS X
• Microsoft Office for Windows ME, 2000, XP or Mac OS X
• Internet Explorer 6.0 or Firefox 1.0
• 56K modem (min), high speed connection preferred (firewall-free)

NICE TO HAVE:
• 1 GHz processor
• 20GB Hard Drive
• 256MB of Ram
• Sound card and speakers
• External microphone
• Web cam

Architecture

Masters Thesis
ARCH 899 700 1-10 credits  Class # 3124
Instructor: Staff
Projects to place special emphasis upon a major field of interest. Design problem or written thesis.

Interior Design

Branding
IDES 820 700 3 credits  Class # 17668
Instructor: Staff
Prerequisites: Acceptance into the IDES, ARCH or LARC professional program or into the MS in Architecture programs.
An examination of the relationship between the Brand and the Branded Environment and the emotional connections created.

History of Interiors and Designed Objects
IDES 845 700 3 credits  Class # 3148
Instructor: DiAnna Hemsath
History and development of interiors and furnishings from prehistoric times to the present day, emphasizing the eighteenth, nineteenth, and twentieth centuries. Interiors and furnishings focused on the West yet considered within a global context.

The Changing Workplace
IDES 858 700 3 credits  Class # 3119
Instructor: Christine Kenline
Survey and integration of theory, methods, research and findings from the social, behavioral, and managerial sciences as they relate to the design of work environments. Factors effecting change in the contemporary workplace.
Selected Topics in Interior Design

IDES 898 700 1-6 credits  Class # 3125
Instructor: Staff
Individual investigation of a topic in interior design.

Gerontology

Issues in Aging: Management/ Administration of Aging Programs

GERO 835 700 3 credits, Call # 9951
Instructor: Hannah Elliott
For students in gerontology and in other fields who are interested in a humanistic approach to understanding significant issues which affect the lives of older people.

Issues in Aging: Senior Housing

GERO 835 701 3 credits, Call # 9953
Instructor: Karen Shaffer
For students in gerontology and in other fields who are interested in a humanistic approach to understanding significant issues which affect the lives of older people.

Issues in Aging: Politics and Aging

GERO 835 702 3 credits, Call # 17728
Instructor: Christopher Kelly
For students in gerontology and in other fields who are interested in a humanistic approach to understanding significant issues which affect the lives of older people.

Psychology of Adult Development and Aging

GERO 846 700 3 credits, Call # 9947
Instructor: Samuel Holley, Jr.
Major social and psychological changes that occur as a function of aging. Both normal and abnormal patterns of developmental change including their implications for behavior.

COLLEGE OF ARTS & SCIENCES
ascweb.unl.edu
The College of Arts and Sciences is the oldest and largest college at the University of Nebraska-Lincoln. Its departments and programs — from Physics and Astronomy to Sociology to Center for Great Plains Studies — are united in their diversity by a commitment to the value of the liberal arts education. The faculty and staff are internationally recognized scholars, innovative researchers and award-winning teachers, and dedicated to sharing their knowledge and ideas with students.

Biological Sciences

Insect Ecology

BIOS 806 700 3 credits  Class # 17570
ENTO 806 700 3 credits  Class # 2827
Instructor: Stephen Danielson
Interrelationships of biotic and abiotic factors as they influence insect development, behavior, distribution and abundance.

Food Microbiology

BIOS 845 700 3 credits  Class # ****
FDST 805 700 3 credits  Class # ****
Instructor: Robert Hutkins, Andrew Benson
Prerequisite: Permission
Nature, physiology, and interactions of microorganisms in foods. Introduction to food-borne diseases, the effect of food processing systems on the micro flora of foods, principles of food preservation, food spoilage, and foods produced by microorganisms. Food plant sanitation and criteria for establishing microbial standards for food products.

Communication

Research Problems Other Than Thesis

COMM 996 700 1-6 credits  Class # 3627
Instructor: Jordan Soliz
Prerequisite: Department consent required
English

Place Conscious Teaching
ENGL 992B  900  1-6 credits  Class # 5399
Instructor: Robert Brooke

Theory and practice of teaching writing, literature, and rhetoric in connection with local place, region, and community.

Mathematics

Mathematics for High School Teachers II
MATH 808  700  3 credits  Class # 5097
Instructor: Staff

Analysis of the connections between college mathematics and high school algebra and geometry.

Algebra for Algebra Teachers
MATH 810T  700  3 credits  Class # 5734
Instructor: Michelle Homp
Prerequisites: Admission to the MAT or MScT program in mathematics or to a graduate program in the College of Education and Human Sciences.

The integers. The Euclidean algorithm, the Fundamental Theorem of Arithmetics, and the integers mod n. Polynomials with coefficients in a field. The division algorithm, the Euclidean algorithm, the unique factorization theorem, and its applications. Polynomials whose coefficients are rational, real or complex. Polynomial interpolation. The habits of mind of a mathematical thinker. The conceptual underpinnings of school algebra.

Psychology

Motivation and Emotion
PSYC 862  700  3 credits  Class # 4853
Instructor: Manda Williamson

Major problems and methods involved in the study of motivation and emotion including theoretical considerations.

Human Sexuality and Society
PSYC 871  700  3 credits  Class # 4854
Instructor: Rosemary Esseks

Interdisciplinary approach to human sexuality in terms of the psychological, social, cultural, anthropological, legal, historical, and physical characteristics of individual sexuality and sex in society. Open to advanced students planning careers in the professions in which knowledge of human behavior and society is important (e.g., helping professions, medicine, law, ministry, education, etc.).
COLLEGE OF BUSINESS ADMINISTRATION

Online MBA Program
http://mba.unl.edu/program-information/online/

The MBA program at the University of Nebraska-Lincoln is offered in a convenient, online format.

Enrollment Process
MBA courses are available to students who have been admitted to the UNL Distance MBA program. Prior to enrolling in these courses, you should contact:

Kerri Hiatt
Distance MBA Programs
Phone: (402) 472-9033
E-mail: khiatt3@unl.edu

Consult mba.unl.edu/distance/current/schedule.aspx for all course information.

COLLEGE OF EDUCATION & HUMAN SCIENCES

http://cehs.unl.edu/cehs/cehs_index.shtml

Child, Youth and Family Studies
• M.S. in Child, Youth and Family Studies, specializations in Family & Community Services; Family and Consumer Sciences Education; Family Financial Planning; Human and Family Services Administration; International Family Studies and Youth Development
• Graduate Certificate in Family Financial Planning
• Graduate Certificate in Financial & Housing Counseling
• Graduate Certificate in Youth Development, specializations in Youth Development Specialist and Youth Program Management and Evaluation

Educational Administration
• M.Ed. with area of study in P-12 Education Leadership
• MA with area of study in Higher Education Leadership
• Ed.D. in Educational Administration, focus in P-12 Education (joint program with UNO)
• Ph.D. or Ed.D. in Educational Studies, specialization in Educational Leadership and Higher Education, (Ph.D. requires 6 credit hours of on-campus attendance)
• Graduate Certificate in Community College Leadership
• Six-year Certificate in Educational Administration and Supervision, Superintendent of Schools
• Graduate Endorsement Programs
  - P-8 Principal
  - 7-12 Principal
  - Curriculum Supervisor
  - Supervisor of Special Education

Educational Psychology
• Graduate Certificate in Mixed Method Research

Nutrition and Health Sciences
• M.S. in Nutrition and Health Sciences, specialization in Dietetics. (Application to this program is open only to Registered Dietitians (RD) or those eligible to take the registration examination.)

Special Education and Communication Disorders
• Master’s Degrees and/or Endorsements
  - Autism | Severe Disabilities
  - Deaf Education
  - Early Childhood Special Education
  - Mild-Moderate Disabilities
  - Supervisor of Special Education
  - Visual Impairment (P-12) (requires brief on-site instruction in summer)
- Graduate Certificate in Autism/Severe Disabilities
- Graduate Certificate in Early Childhood Special Education
- Graduate Certificate in Intellectual, Sensory and Developmental Disabilities

Teaching, Learning & Teacher Education
• M.A. in German Language Education

Textiles, Merchandising and Fashion Design
• M.A. in Textiles, Merchandising and Fashion Design, major in Textile History, emphasis in Quilt Studies (a hybrid program requiring one semester of on-campus attendance)
• M.A. in Textiles, Merchandising and Fashion Design, major in Merchandising
• Graduate Certificate in Quilt Studies

It is critical for your success that you plan your proposed course work with a faculty member’s support and approval.

Department Admission Contacts:

   Child, Youth and Family Studies
   Lisa King
   Phone: (402) 472-7787
   E-mail: lking2@unl.edu

   Educational Administration
   Cindy DeRyke
   Phone: (402) 472-3728
   E-mail: cderyke1@unl.edu

   Educational Psychology
   Allison Jones
   Phone: (402) 472-1050
   E-mail: ajones3@unl.edu

   Nutrition and Health Sciences
   Lori Beals
   Phone: (402) 472-3666
   E-mail: lbeals2@unl.edu

   Special Education and Communication Disorders
   Jill England
   Phone: (402) 472-2141
   E-mail: jengland2@unl.edu

   Teaching, Learning, & Teacher Education
   Shari Daehling
   Phone: (402) 472-3098
   E-mail: sdaehling1@unl.edu

Textiles, Merchandising and Fashion Design

Textile History/Quilt Studies
Dr. Patricia Crews
Phone: (402) 472-6342
E-mail: pcrews1@unl.edu

Merchandising
Dr. Rita Kean
Phone: (402) 472-5473
Email: rkean1@unl.edu

Distance classes use online technology. Even though the classes do not “meet” at a scheduled time and place, you are expected to maintain progress with class assignments and interact with the Instructor and other students for a quality learning experience. You must have a computer and high speed Internet access. You must include your current e-mail address when registering.

Class numbers
To enroll in courses with suppressed class numbers (****), contact the department for permission to enroll and they will provide you with the class number.

Child, Youth, & Family Studies (CYAF): (402) 472-7787
Education and Educational Psychology (EDUC & EDPS): (402) 472-2223
Educational Administration (EDAD): (402) 472-3726
Nutrition (NUTR): (402) 472-3716
Special Education and Communication Disorders (SPED): (402) 472-2145
Teaching, Learning, & Teacher Education (TEAC): (402) 472-2231
Textiles, Merchandising and Fashion Design (TMFD): (402) 472-2911

Consult myred.unl.edu for the most current course schedule and class number information.

Computer Requirements
In order to access video and other forms of multimedia that are incorporated into distance courses, high speed internet connection is required.
**Child, Youth, and Family Studies**

**Family Professionals as Consumers of Research**
CYAF 866 700 3 credits  Class # 7081  
Instructor: Yolanda Mitchell

Elements of conducting and reporting research and various research designs. Quantitative and qualitative methodologies. Skills required to effectively evaluate the quality of research reports and how to apply findings to practices in education, counseling, and family policy.

**Special Topics in Family and Cultural Diversity: Immigrants**
CYAF 895 700 3 credits  Class # 7044  
Instructor: Yan Xia

Current topics related to diverse populations, e.g., religion, sexual orientation, ethnicity. Topics vary.

**Community Internships in Child, Youth and Family Studies**
CYAF 897D 700 1-6 credits  Class # 6279  
Instructor: Cody Hollist  
Prerequisite: Department consent required.

Fieldwork in agencies serving children, youth and families.

**Doctoral Dissertation**
CYAF 999 700 1-24 credits  Class # 7510  
Instructor: Catherine Huddleston-Casas  
Prerequisites: Admission to doctoral degree program and permission of supervisory committee chair.

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**Educational Administration**

**Cross-Cultural Leadership Studies**
EDAD 801 700 3 credits  Class # 16983  
Instructor: Kent Mann

For those interested in exploring leadership and leadership issues from a cross-cultural perspective. Students construct their understanding of different cultural perspectives on leadership through readings, interviews, and field trips. Provides students with a valuable perspective on their own and other cultural perspectives through the comparison of cultural viewpoints. Native American understanding of leadership.

**Practicum in Educational Administration and Supervision**
EDAD 811 700 3 credits  Class # 6292  
Instructor: Kent Mann, Mary Lehmanowsky-Bakewell  
Prerequisite: Department consent required.

May be repeated for credit. Rating and supervision of teachers; principles and procedures in the development of school policies; selection and promotion of teachers; courses of study and professional ethics.

**Administrative Theory in Educational Organizations**
EDAD 830 700 3 credits  Class # 7017  
Instructor: Staff

Introduction to classic and contemporary administrative theory as applied to educational organizations. The theoretical nature of the course content is relevant to those with an interest in a broad variety of educational institutions. General organizational theory, organizational models, historical schools of administrative theory, authority, power, motivation, and leadership. Frequently students are involved in studying problems of practice as a means of testing theory.
**Higher Education in America**
EDAD 832  700  3 credits  Class # 7019
Instructor: Staff
Prerequisites: 12 hrs. in education; 1 yr. American History and permission.
History and development of America’s colleges and universities and a study of some recent trends and problems in higher education.

**Education Law**
EDAD 837  700  3 credits  Class # 6295
Instructor: John Mackiel
Evolution, principles, and practice of education law in relation to local, state, and national units of organization. Education law of Nebraska.

**School Culture and Student Behavior**
EDAD 852  700  3 credits  Class # 5769
Instructor: Kent Mann
School culture and student behavior in P-12 schools. Personalized teaching and learning environments that address student diversity, needs and interests.

**Special Education Law**
EDAD 858  700  3 credits  Class # 16984
Instructor: Staff
Body of law that pertains to the organization, administration, and implementation of special education programs in PreK-12 schools. Substantive and procedural rights of disabled students, and the authority and responsibility of states and school districts that are grounded in state and federal law.

**Independent Study**
EDAD 896  700  1-6 credits  Class # 6298
Instructor: Staff
Selected topic with the direction and guidance of a staff member.

**Master’s Thesis**
EDAD 899  700  1-10 credits  Class # 6300
Instructor: Staff
Prerequisite: Department consent required.

**System-Level School Improvement**
EDAD 901  700  3 credits  Class # 5779
Instructor: Jody Isernhagen
Knowledge and skills required for system-level leaders to bring about school improvement and enhance student achievement. Creating systems that engage the public, performing in complex political environments, and delivering needed services to schools and classrooms.

**Data for Action Planning**
EDAD 902  700  3 credits  Class # 6234
Instructor: Jody Isernhagen
EDAD 902 requires developing an initial school improvement plan.
Assessment theory and types of assessments used to measure student performance relative to a school improvement goal. Relationships between profile data and baseline data, locally developed classroom assessments, and post data pertaining to school improvement goals and action plans.

**Issues in Community Relations**
EDAD 903  700  3 credits  Class # 6305
Instructor: Mary Lehmanowsky-Bakewell
Principles of community relations and public relations; development of school and community understanding; collaboration of educators and community agents and agencies; communication tools and evaluation.

**Issues in System Level Administration**
EDAD 906  700  3 credits  Class # 6228
Instructor: John Mackiel
Prerequisite: Master’s degree or equivalent.
Selected system level issues faced by pre-K to grade 12 school administrators.
Educational Leadership in Community Colleges
EDAD 912B 700 3 credits Class # 16977
Instructor: Deryl Hatch

Issues facing community college leaders and the knowledge, skills, and competencies necessary to provide effective leadership in the community college setting. Case studies of community colleges, combined with the literature on community college leadership, and active learning opportunities to examine current practices and develop a personal philosophy of leadership.

Administrative Issues in Higher Education
EDAD 921 700 3 credits Class # 6303
Instructor: Katherine Wesley
Special fee: $30.00

Introduction to contemporary issues in the administration of higher education with a focus on the scholarly literature, a comparative analysis of administration in types of institutions, leadership and planning, institutional and environmental issues, and selected topics.

The Community/Junior College
EDAD 923 700 3 credits Class # 6902
Instructor: Katherine Wesley

Designed particularly for those interested in upper secondary and college levels. Junior college movement; relationship of movement to provisions for an adequate educational program; functions of the junior college; legal status and basis for extension of junior college; problems of organization, administration, and curriculum.

Law and Higher Education
EDAD 925 700 3 credits Class # 6305
Instructor: Staff

Examination of legal principles applicable to higher education institutions. Overview of the legal system, higher education institutions as legal entities, authority for governance and administration, faculty rights and responsibilities, student rights and responsibilities, institutional and personal liability, and other selected issues.

Law and Higher Education
EDAD 925 700 3 credits Class # 6305
Instructor: Staff

Examination of legal principles applicable to higher education institutions. Overview of the legal system, higher education institutions as legal entities, authority for governance and administration, faculty rights and responsibilities, student rights and responsibilities, institutional and personal liability, and other selected issues.

Seminar in Adult and Continuing Education
EDAD 929 700 3 credits Class # 7045
EDPS 929 700 1-6 credits Class # 7046
Instructor: Richard Torraco

Global Issues in Higher Education
EDAD 932 700 3 credits Class # 16980
Instructor: Elizabeth Niehaus

Selected issues affecting global educational policies and practices.

Strategic Planning
EDAD 933 700 3 credits Class # 5788
Instructor: Staff

System theory, practice and problem solving. The strategic planning process in higher education. Models of strategic planning. EDAD 933 requires the student to analyze their respective institution's planning process and plan, and to participate in a simulation activity that reinforces the principles and practices of strategic planning.

Seminar in Educational Administration:
Leadership in Education Organizations
EDAD 966 700 3 credits Class # 16982
Instructor: Marilyn Grady

Education administration problems with an analysis of research and literature pertaining to these problems.
### Seminar in College Student Development
EDAD 980 700 3 credits  Class # 16976  
Instructor: Corey Rumann  
Current knowledge, theories, and practices, and related issues in the area of college student development.

### Introduction to Research
EDAD 981 700 3 credits  Class # 16978  
Instructor: Emily Cross  
A written report is required. Investigation and analysis of current problems in education administration and supervision.

### Dissertation Proposal Development
EDAD 988 700 3 credits  Class # 16979  
Instructor: Staff  
Intended for students who are working on the development of their dissertation proposal. Component parts of the dissertation proposal. Students from all areas of Teachers College and the University of Nebraska who are in the process of developing their proposal will find this course to be of use. Typically the course should be taken after the research tools have been completed.

### Field Studies in Education
EDAD 991 700 1-3 credits  Class # 6311  
Instructor: Staff  
Prerequisite: Department consent required.  
Identification and solutions of problems associated with program planning; organizational, administrative, and instructional procedures within an institutional setting. Designing, implementing, and evaluating new or modified patterns of operation and teaching within a public school, postsecondary institution, or adult education agency.

### Workshop Seminar: Introduction to Doctoral Education
EDAD 993 700 1 credit  Class # 7047  
Instructor: Brent Cezda  
Prerequisite: Department consent required.  
Students will work singly or in groups on practical educational problems which are of special focused interest but which are not included in other professional education courses.

### Doctoral Seminar
EDAD 995 700 3 credits  Class # 7025  
Instructor: Staff  
Prerequisite: Department consent required.  
Students are immersed in outcome-based scholarly activities with a faculty mentor. Working on either an individualized or small group basis, students develop, execute and report one or more projects addressing the interaction between research and practice. Intended primarily for doctoral students, although non-doctoral graduate students may be admitted with special permission of the Instructor.

### Seminar: Internship in Educational Administration
EDAD 998 700 1-6 credits  Class # 6315  
Instructor: Staff  
Prerequisite: Department consent required.  
Opportunity for educational administrators to gain an understanding of administering changes or innovations, and to obtain supervised field experience. Consideration will be given antecedents of change, change models, the role of government, forces that restrict or stimulate change, tools to implement change, and evaluation.
Seminar: Internship in Educational Administration
EDAD 998 701 3 credits  Class # 7392
Instructor: John Mackiel
Prerequisite: Department consent required.
Opportunity for educational administrators to gain an understanding of administering changes or innovations, and to obtain supervised field experience. Consideration will be given antecedents of change, change models, the role of government, forces that restrict or stimulate change, tools to implement change, and evaluation.

Doctoral Dissertation
EDAD 999 700 1-24 credits  Class # 6317
Instructor: Staff
Prerequisite: Department consent required.

Educational Psychology

Statistical Methods
EDPS 859 700 3 credits  Class # 6355
EDPS 859 796 3 credits  Class # 7015
Instructor: Charles Ansorge
Prerequisite: Contact the Instructor for further information. Special fee: $15.00
Computation and interpretation of measures of central position, variability and correlation; introduction to sampling, probability, and tests of significance.

Survey Methods in Educational Research
EDPS 900D 700 3 credits  Class # 6832
Instructor: Ronald Shope
Principles and applications of survey research. Use of appropriate sampling techniques and applications of survey methods to the study of relative incidence, distribution, and interrelations of educational, sociological, and psychological variables.

Seminar in Adult and Continuing Education
EDPS 929 700 1-6 credits  Class # 7046
EDAD 929 700 3 credits  Class # 7045
Instructor: Richard Torraco

Seminar in Qualitative Research
EDPS 935 700 3 credits  Class # 6823
Instructor: Ronald Shope
Seminar intended for doctoral-level students who have completed an initial qualitative research methodology course and who want to increase their skills in qualitative research. Data collection and analysis strategies and the application of those strategies to research problems.

Seminar in College Student Development
EDPS 977 700 3 credits  Class # 16975
EDAD 980 700 3 credits  Class # 16976
Instructor: Corey Rumann
Current knowledge, theories, and practices, and related issues in the area of college student development.

Nutrition

Nutrition: A Focus on Life Stages
NUTR 859 700 3 credits  Class # 7031
Instructor: Staff
Nutritional needs throughout the life span including pregnancy, lactation, growth and aging. Approaches to nutrition education for different ages.

Special Education

Characteristics of Exceptional Persons
SPED 800 700 3 credits  Class # 6574
Instructor: Staff
Etiology, growth and development, and characteristics of persons who differ from the norm.
Teaching Students with Disabilities in the Secondary School

SPED 807  700  3 credits  Class # 6581
Instructor: Suzanne Kemp

Information about the mildly/moderately disabled secondary-level student; including characteristics, assessment, models for programs, social skill training, behavior management, working with parents, and curriculum modification.

Autism Spectrum Disorders (ASDs): Effective Assessment and Intervention

SPED 809  700  3 credits  Class # 7035
Instructor: Ellin Siegel
Time: T 6:00-8:50 PM CDT
Prerequisite: SPED 400/800 or equivalent
SPED 809 requires observation in schools and applied assignments.

Designed for educators of children and youth with Autism Spectrum Disorders (ASDs) in school settings. Assessment strategies to identify characteristics of ASDs focused on individual needs and strengths-based outcomes. Knowledge and skills regarding evidence-based practices and individualized educational programs.

Assessment Techniques for Diverse Learners

SPED 812  700  3 credits  Class # 6936
Instructor: James Nelson

The role of general education teachers in the primary purposes of assessment of learners with diverse needs. Knowledge and experience with interpreting norm-referenced test information as related to planning educational programs. Use of assessment information for instructional planning and evaluation. Testing accommodations and classroom grading.

Behavior Management

SPED 818  700  3 credits  Class # 7067
Instructor: John Maag
Criminal history background check required.

Introduction to behavior management. Analyze students’ behaviors, define and target behaviors, record and graph behaviors, and develop interventions based on positive reinforcement for improving students’ academic and social behaviors. Introduction to functional assessment, how to use reinforcement to decrease inappropriate behaviors, and guidelines for using punishment ethically and its relative effectiveness. For post baccalaureate students obtaining an initial teaching endorsement in mild/moderate disabilities.

Characteristics of Emotional and Learning Disorders

SPED 843  700  3 credits  Class # 6582
Instructor: Reece Peterson
Time: W 6:00-8:50 PM CDT
Prerequisite: SPED 400/800

Learning, academic, behavioral, social-emotional and language characteristics of students who are classified as having disabilities for purposes of special education. Definitions, classification systems, assessment and verification criteria, and medications for students with learning and emotional disabilities.

Introduction to Eye Anatomy of Students with Visual Impairments

SPED 847  700  3 credits  Class # 17786
Instructor: Staff

Structure and function of the visual system, conditions that effect visual ability, and the functional and environmental implications of low vision. Strategies for enhancing visual ability in children with visual impairments and children who have additional disabilities.
Preschool Children with Disabilities in a Classroom
SPED 862 700 3 credits Class # 6839
Instructor: Christine Marvin
Time: Th 6:00-8:50 PM CT
Special Fee: $10
Criminal history background check required.

Selection, design and implementation of developmentally appropriate, activity-based interventions for preschool-age children with disabilities. Ecological assessments. Instructional factors, such as classroom environments, activity planning, selection, use and modification of strategies, home-school communications, and consulting to staff in inclusive settings.

Psychology and Sociology of Deafness
SPED 872 700 3 credits Class # 6585
Instructor: Malinda Eccarius

Education of the hearing impaired including history of, professional roles in, and educational programming within this field. Social/psychological theories as related to the hearing impaired. Patterns of social/emotional development, psychological characteristics, issues of family stress and social adaptation and discussion of counseling techniques.

Language Arts and Literacy for the Hearing Impaired
SPED 874 700 3 credits Class # 6586
Instructor: Malinda Eccarius

Assessment instruments, curricula and instructional methods for developing language and literacy in classrooms for hearing impaired children, preschool through grade 12. Methods for coordinating speech and/or language and/or auditory training program in the classroom with that in the speech and/or language therapy program.

Directed Field Experience: Behavior Disorders
SPED 896B 700 1-6 credits Class # ****
Instructor: Reece Peterson
Prerequisite: Permission. Obtain call number from the Instructor.
Special fee: $10.00
Criminal history background check required.

Directed Field Experience: Deaf/Hard of Hearing
SPED 896D 700 1-6 credits Class # ****
Instructor: Malinda Eccarius
Prerequisite: Permission. Obtain call number from the Instructor.
Criminal history background check required.

Directed Field Experience: General Special Education: Early Childhood: Deaf
SPED 896E 700 1-6 credits Class # ****
Instructor: Christine Marvin; Malinda Eccarius
Prerequisite: Permission. Obtain call number at program office
Criminal history background check required.

Specialized Instruction for Students with Severe and Multiple Disabilities
SPED 882 700 3 credits Class # 6588
Instructor: Ellin Siegel
Time: W 5:00-7:50 PM CT
Criminal history background check required.

Selection, design, and implementation of best practice instruction for students with severe disabilities, multiple disabilities, or deaf-blindness.

Independent Study in Special Education
SPED 895 700 1-3 credits Class # 6590
Instructor: Kari Stempson; Sherri Jones

Special research or reading project under direction of a staff member in the department.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directed Field Experience: Severe Disabilities</td>
<td>SPED 896P</td>
<td>700</td>
<td>1-6 credits Class # ****</td>
<td>Instructor: Ellin Siegel, Prerequisite: Permission. Obtain call number from the Instructor. Criminal history background check required.</td>
</tr>
<tr>
<td>Directed Field Experience: Early Childhood Special Education</td>
<td>SPED 896Q</td>
<td>700</td>
<td>1-6 credits Class # ****</td>
<td>Instructor: Christine Marvin, Prerequisite: Permission. Obtain call number from the Instructor. Criminal history background check required.</td>
</tr>
<tr>
<td>Directed Field Experience: Visual Impairments</td>
<td>SPED 896V</td>
<td>700</td>
<td>1-6 credits Class # ****</td>
<td>Instructor: Kari Stempson; Sherri Jones, Prerequisite: Obtain call number from the Instructor. Criminal history background check required.</td>
</tr>
<tr>
<td>Student Teaching: Exceptional Learners: Behavior Disorders</td>
<td>SPED 897B</td>
<td>700</td>
<td>1-9 credits Class # ****</td>
<td>Instructor: Reece Peterson, Special Fee: $10, Prerequisite: By application only. Note: See “Admission to Student Teaching” in the UNL Undergraduate Bulletin. Student teaching, background check required.</td>
</tr>
<tr>
<td>Student Teaching: Exceptional Learners: Deaf/Hard of Hearing</td>
<td>SPED 897D</td>
<td>700</td>
<td>1-9 credits Class # ****</td>
<td>Instructor: Malinda Eccarius, Prerequisite: By application only. Note: See “Admission to Student Teaching” in the UNL Undergraduate Bulletin. Student teaching, background check required.</td>
</tr>
<tr>
<td>Student Teaching: Exceptional Learners: Early Childhood Special Education</td>
<td>SPED 897Q</td>
<td>700</td>
<td>1-9 credits Class # ****</td>
<td>Instructor: Christine Marvin, Prerequisite: By application only. Note: See “Admission to Student Teaching” in the UNL Undergraduate Bulletin. Student teaching, background check required.</td>
</tr>
<tr>
<td>Student Teaching: Exceptional Learners: Visual Impairments</td>
<td>SPED 897V</td>
<td>700</td>
<td>1-9 credits Class # ****</td>
<td>Instructor: Kari Stempson; Sherri Jones, Prerequisite: By application only. Note: See “Admission to Student Teaching” in the UNL Undergraduate Bulletin. Obtain the call number from the Instructor. Student teaching, background check required.</td>
</tr>
<tr>
<td>Language Study of Teachers of Deaf and Hard of Hearing</td>
<td>SPED 956</td>
<td>700</td>
<td>3 credits Class # 7060</td>
<td>Instructor: Malinda Eccarius; Petra Brylow, Theoretical and practical aspects of American Sign Language (ASL) structure. Issues relevant to the use of sign language in education, written English as a second language, classroom discourse, and educational interpreting. Socio-lingual aspects of sign language among deaf and hearing individuals.</td>
</tr>
<tr>
<td>SLPA 956</td>
<td>700</td>
<td>3 credits Class # 6547</td>
<td>Instructor: Malinda Eccarius; Petra Brylow, Theoretical and practical aspects of American Sign Language (ASL) structure. Issues relevant to the use of sign language in education, written English as a second language, classroom discourse, and educational interpreting. Socio-lingual aspects of sign language among deaf and hearing individuals.</td>
<td></td>
</tr>
<tr>
<td>Research Other Than Thesis</td>
<td>SPED 996A</td>
<td>700</td>
<td>1-12 credits Class # ****</td>
<td>Instructor: Kari Stempson; Sherri Jones, Prerequisite: Obtain call number at program office.</td>
</tr>
<tr>
<td>Readings in Special Education</td>
<td>SPED 996B</td>
<td>700</td>
<td>1-12 credits Class # ****</td>
<td>Instructor: Kari Stempson; Sherri Jones, Prerequisite: Permission. Obtain call number at program office.</td>
</tr>
</tbody>
</table>
UNK/UNO SPECIAL EDUCATION COURSES

UNK SPED classes are available to UNL students. Courses can be found on the UNK website at webeasi.unk.edu. Look for department abbreviations TE, TESE, and SPED. UNL SPED classes are also available to UNO students. Courses can be found on the UNO website at mycampus.unomaha.edu.

UNL students interested in these classes need to contact their UNL adviser to determine acceptability for their program of study. An Intercampus Registration form may be used by graduate students in good standing at UNL.

Speech, Language Pathology and Audiology

Language Study of Teachers of Deaf and Hard of Hearing (DHH)

SLPA 956  700  3 credits  Class # 6547
SPED 956  700  3 credits  Class # 7060
Instructor: Malinda Eccarius; Petra Brylow


Teaching, Learning & Teacher Education

Inquiry into Teaching and Learning

TEAC 800  700  3 credits  Class # 6698
Instructor: Delwyn Harnisch

Contemporary educational research from multiple theoretical perspectives.

Curriculum Inquiry

TEAC 801  700  3 credits  Class # 6699
Instructor: Thomas McGowan

The relationship between curriculum theory and/or research to educational practices.

Contemporary Children’s Literature: Principles and Practices

TEAC 802  700  3 credits  Class # 12935
Instructor: Kathryn Phillips

Contemporary literature for children, all forms and genres; development of meaningful and creative learning activities for children; professional readings and research related to children’s literature.

Student Teaching Seminar: Secondary Education

TEAC 803B  900  3 credits  Class # 7003
Instructor: Stephen Swidler
Prerequisites: Parallel enrollment in TEAC 897

Professional development experiences including inquiry-driven projects, on-line discussions and standards-driven professional portfolios.

Studies in Teaching English as a Second Language: Acquisition

TEAC 813A  700  3 credits  Class # 6701
Instructor: Staff

Preparation for teaching K-12 learners whose language of nurture is not English.

Special Topics in Teaching English as a Second Language

TEAC 813E  700  3 credits  Class # 19613
Instructor: Staff

Preparation for teaching K-12 learners whose language of nurture is not English.
Teaching English Language Learners (ELLs) in Content Areas

TEAC 813M 700 3 credits Class # 7506
Instructor: Jane Miller; Nancy Engen-Wedin

Theory and pedagogy in the teaching of English Language Learners (ELLs) in course content areas at all levels of K-12 education. Identify and design linguistically and culturally responsive instruction for English learners in the disciplines (e.g. language arts, science, mathematics, social sciences).

Higher Education in America

TEAC 832 700 3 credits Class # 7020
EDAD 832 700 3 credits Class # 7019
Instructor: Staff
Prerequisite: 12 hrs. in education; 1 year American History and permission.

History and development of America’s colleges and universities and a study of some recent trends and problems in higher education.

Learning Models in Education: Unified Learning Model

TEAC 856A 700 3 credits Class # 6959
Instructor: David Brooks

Introduction to current theoretical models of learning pertaining to schooling. Learner characteristics and applications to traditional classroom settings.

Teaching with Technology, Survey of Instructional Technology

TEAC 880A 700 3 credits Class # 6712
Instructor: Lynne McKnight Herr

Survey and analysis of the application of technology to improve teaching. Research and related literature on learning, teaching, and curriculum. Critical application of technology and the development of teaching strategies.

Modern Programming Tools

TEAC 882A 700 3 credits Class # 7484
Instructor: David Brooks

Task-oriented practicum for the demonstration of fluency with advanced technology and the application of instructional design to the development of educational resources. Supervised task-centered experiences.

Teacher as Scholarly Practitioner

TEAC 888 700 3 credits Class # 6713
Instructor: Susan Wunder
Prerequisite: Department consent required.

Seminar on the principles of practitioner inquiry and development of a proposal for an inquiry project.

Master’s Seminar

TEAC 889 700 3 credits Class # ****
Instructor: Susan Wunder
Prerequisite: Department consent required.

Working with a faculty mentor on either an individual or small-group basis, the student plans, conducts, and reports a summative work project.

Independent Study

TEAC 895 795 1-6 credits Class # ****
Instructor: Susan Wunder
Prerequisite: Department consent required.

Selected topic with the direction and guidance of a staff member.

Master's Thesis

TEAC 889 700 1-10 credits Class # ****
Instructor: Susan Wunder
Prerequisite: Department consent required.

Independent Study arranged with Advisor.
**Portfolio in Instructional Technology Competencies**

TEAC 959 700 1-12 credits  Class # ****
Instructor: Allen Steckelberg

Portfolio components represent a significant contribution to the solution of an instructional problem and reflect broadly the major competencies of instructional technology: problem definition, learner analysis, media selection and message design, production, and evaluation.

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**Portfolio in Instructional Technology Competencies**

TEAC 959 701 1-12 credits  Class # ****
Instructor: David Brooks

Portfolio components represent a significant contribution to the solution of an instructional problem and reflect broadly the major competencies of instructional technology: problem definition, learner analysis, media selection and message design, production, and evaluation.

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**Doctoral Seminar**

TEAC 995 700 3 credits  Class # ****
Instructor: Susan Wunder
Prerequisites: Department consent required.

Outcome-based scholarly activities, individualized or small group basis. Development, execution and reporting on one or more projects addressing the interaction between research and practice. Intended primarily for doctoral students, although non-doctoral graduate students may be admitted with special permission of the instructor.

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**Individual Research Projects**

TEAC 997 700 1-6 credits  Class # ****
Instructor: Susan Wunder
Prerequisites: Department consent required.

Individual research under faculty supervision.

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**Doctoral Dissertation**

TEAC 999 700 1-24 credits  Class # ****
Instructor: Susan Wunder
Prerequisites: Department consent required.

Prerequisite: Admission to doctoral degree program and permission of supervisory committee chair.

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**Textiles, Merchandising and Fashion Design**

**History of Quilts in the Western World**

TMFD 818 700 3 credits  Class # 17033
Instructor: Barbara Caron

Influence of social, political, artistic and technological developments on quiltmaking traditions.

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**Independent Study: Textiles**

TFMD 896A 700 1-5 credits  Class # ****
Instructor: Patricia Crews
Prerequisite: Department consent required.

Individual projects in research, literature review, or creative production.

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**Advanced Problems: Design: Aesthetics and the Quilt**

TFMD 905D 700 1-6 credits  Class # 20864
Instructor: Michael James
Research Other Than Thesis
TFMD 996    700    1-6 credits  Class # ****
Instructor: Patricia Crews
Prerequisite: Department consent required.
Supervised independent professional experience under direction of a practicing professional within the textile and apparel industry, government agencies, museums and/or businesses.

Research Other Than Thesis
TFMD 996    795    1-6 credits  Class # ****
Instructor: Michael James
Prerequisite: Department consent required.
Supervised independent professional experience under direction of a practicing professional within the textile and apparel industry, government agencies, museums and/or businesses.

Internship
TFMD 997    700    1-9 credits  Class # ****
Instructor: Patricia Crews
Prerequisite: Department consent required.
Supervised independent professional experience under direction of a practicing professional within the textile and apparel industry, government agencies, museums and/or businesses.

Internship
TFMD 997    795    1-9 credits  Class # ****
Instructor: Michael James
Prerequisite: Department consent required.
Supervised independent professional experience under direction of a practicing professional within the textile and apparel industry, government agencies, museums and/or businesses.

GREAT PLAINS IDEA
www.gpidea.org
The Great Plains Interactive Distance Education Alliance (IDEA) is a multi-state alliance of universities which share courses in order to offer fully online programs. The following distance programs are offered at UNL through the alliance:
• Graduate Certificate in Family Financial Planning
• Graduate Certificate in Youth Development, specializations in Youth Development Specialist and Youth Program Management and Evaluation
• M.S. in Child, Youth and Family Studies, specializations in Family and Community Services; Family & Consumer Sciences Education; Family Financial Planning; and Youth Development
• M.S. in Nutrition and Health Sciences, Specialization in Dietetics
• M.S. in Textiles, Merchandising and Fashion Design, Specialization in Merchandising
For information on the Great Plains IDEA Dietetics program, contact:
Lori Beals
Phone: (402) 472-3666
E-mail: lbeals2@unl.edu
For information on the other Great Plains IDEA programs contact:
Lisa King
(402) 472-7787
Lking2@unl.edu
PEDAGOGICAL CONTENT COURSES FOR TEACHERS OF HIGH SCHOOL CHEMISTRY

These one-credit hour graduate courses are available for certified teachers who wish to increase both their subject matter expertise as well as their knowledge of how to teach chemistry successfully.

CHEM 869
TLTE 869
A. Structure and Properties of Matter: Water and Solutions
B. Structure and Properties of Matter: Periodicity
D. Structure and Properties of Matter: Bonding and Structure
E. Structure and Properties of Matter: Carbon Chemistry and Polymers
J. Structure and Properties of Matter: Gases and the Atmosphere
K. Chemistry of Life Processes: Biomolecules
L. Structure and Properties of Matter: Condensed States and Materials Science
M. Interactions of Matter and Energy
N. Chemistry of Life Processes: DNA
P. Chemistry of Life Processes: Energy and Metabolism
Q. Chemical Reactions: Equations and their Consequences
R. Chemical Reactions: Acids and Bases
T. Chemical Reactions: Kinetics
U. Chemical Reactions: Oxidation, Reduction and Electrochemistry
V. Equilibrium: Unifying Theme
W. Conservation of Energy and the Increase in Disorder: Thermodynamics
Y. Inquiry and the Nature of Science: Analysis and Instrumentation
Z. Structure of Atoms: Nuclear Chemistry

BIOC 869
K. Chemistry of Life Processes: Biomolecules
N. Chemistry of Life Processes: DNA
P. Chemistry of Life Processes: Energy and Metabolism
T. Chemical Reactions: Kinetics

BIOS 869
K. Chemistry of Life Processes: Biomolecules
N. Chemistry of Life Processes: DNA
P. Chemistry of Life Processes: Energy and Metabolism

These courses are entirely self-paced. The minimum completion time is five weeks, meaning that no credit will be issued in less than five weeks. Students must complete the courses in 6 months.

All of these courses are available for credit either in Teaching, Learning, & Teacher Education (TEAC 869) or Chemistry (CHEM 869). Credit from these courses may be included in an approved memorandum of courses for master’s degrees in education. However, these courses do not apply toward a master’s degree in chemistry, biochemistry or biological science. Credit for 3-4 of the courses may be taken in Biochemistry (BIOC 869) or Biological Sciences (BIOS 883).

To enroll in one of these courses, you must be admitted to Graduate Studies at the University of Nebraska–Lincoln as a non-degree or degree seeking student. Go to http://www.unl.edu/gradstudies/prospective/steps for further information and the appropriate forms.

For additional information, please contact Dr. David Brooks at dbrooks1@unl.edu, (402) 472-2018, or 123A Henzlik Hall, Lincoln, NE 68588-0355.
The College of Engineering offers a Master of Engineering degree (MEng) with a concentration in engineering management. Courses are delivered completely online and are available in an accelerated 10-week format. The flexibility in scheduling is ideal for the busy professional. This non-thesis program is designed for working professionals.

**Accelerated Schedule**

To better serve you, we offer our online courses in a modular format rather than the traditional semester format.

For a list of business courses that can be taken as part of the Master of Engineering, Engineering Management, please visit [http://mba.unl.edu/distance/current/schedule.aspx](http://mba.unl.edu/distance/current/schedule.aspx)

**Class Numbers**

To enroll in courses with suppressed class numbers (*****), contact the department for permission to enroll. They will provide you with the class number.

**For information contact:**

(402) 472-3495

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**Industrial & Management System Engineering**

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**Analysis of Engineering Management**

IMSE 805 700 3 credits  Class # 8028

Instructor: Robert Williams
Prerequisites: Department consent required.

General concepts and principles of engineering management applied to cases.

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**Analysis of Engineering Management**

IMSE 806 700 3 credits  Class # 8087

Instructor: Jeffrey Woldstad

HIXSON-LIED COLLEGE OF FINE AND PERFORMING ARTS

http://arts.unl.edu/music

Music Education

Workshop Seminar
MUED 890 700 1 credit Class # 8778
Instructor: Rhonda Fuelberth
Dates: 11/19/2014 – 11/21/2014

JOURNALISM & MASS COMMUNICATIONS

www.unl.edu/journalism

http://online.unl.edu/Graduate/Programs/Journalism-Mass-Communications-Masters.aspx

For information on the Master of Arts in Journalism and Mass Communications, contact: (402) 472-3041 or 3042.

To enroll in courses with suppressed class numbers (**), contact the College of Journalism & Mass Communications for permission to enroll and to obtain the class number, (402) 472-3041 or (402) 472-3042.

It is required that all students enrolled in journalism graduate programs have computer and high speed Internet capability with access to e-mail. Additionally, students are required to have a headset/microphone combination for their computer. A camera for their computer is optional. The computer systems outlined will enable you to connect to classmates and faculty outside the classroom and to take advantage of the rich resources of the Internet.

Some courses are synchronous, requiring you to virtually attend class on a specific day and time.

Computer requirements include:
• PC: Windows®XP or newer, processor, 2600Mhz minimum, 1GB RAM, Flash 9, high speed broadband, USB Camera and headset with microphone, Windows Media Player v9
• Mac: OS 10.3 or newer, G4 processor 1000Mhz minimum, 1GB RAM, Flash 9, high speed broadband, USB Camera and headset with microphone

For specific computer information, contact:
Luther Hinrichs
(402) 310-1095
Fax: (402) 472-8597
E-mail: lhinrichs1@unl.edu
**Advertising**

**Strategic Communications: Advertising Issues and Strategies**
ADPR 830  700  3 credits  Class # 9808  
Instructor: Staff

Seminar for graduate students who do not have the equivalent of an undergraduate degree in advertising. Business of advertising and promotion, and the processes and planning involved in strategic promotional communication. Current issues and strategies faced by advertising practitioners, the importance of branding, integrated marketing communications and promotion. Creation of a strategic marketing plan.

**Digital Insight & Analytics**
ADPR 834  700  3 credits  Class # 19530  
Instructor: Valerie Jones

A study of the digital communication landscape. Course explores how various channels of digital communication can be used to analyze audiences, connect with them and ultimately build brands.

**Public Relations Theory and Strategy**
ADPR 850  700  3 credits  Class # 9717  
Instructor: Ming Wang  
Times: Tuesdays, 6:15 – 9:15 PM CT  
Special Fee: $15

Philosophies and theories that underlie the discipline and profession of public relations. Critical and supportive perspectives used to gain insight into the history and direction of public relations.

**Advertising and Public Relations Research**
ADPR 881  700  3 credits  Class # 9876  
Instructor: Staff

Research in the planning, development and evaluation of advertising. The research process, use of secondary sources of information and how to analyze data from these sources. The planning and execution of primary research. Survey techniques.

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**Special Topics in Advertising: Advanced Public Relations Writing**
ADPR 891  700  3 credits  Class # 9852  
Instructor: Staff

Topics vary each term. ADPR 491/491X/891 may be repeated up to three times so long as the topics are different. 12 hours max special topics hours at all levels (100, 200, 300, 400) per degree.

**Special Topics in Advertising: Social Media: Theory & Practice**
ADPR 891  701  3 credits  Class # 17941  
Instructor: Staff

Topics vary each term. ADPR 491/491X/891 may be repeated up to three times so long as the topics are different. 12 hours max special topics hours at all levels (100, 200, 300, 400) per degree.

**Special Topics in Advertising: International Public Relations**
ADPR 891  702  3 credits  Class # 18273  
Instructor: Dane Kiambi  
Time: Th 5:30-8:20 PM CT

Topics vary each term. ADPR 491/491X/891 may be repeated up to three times so long as the topics are different. 12 hours max special topics hours at all levels (100, 200, 300, 400) per degree.

**Journalism**

**Independent Study**
JGRD 896  700  1-3 credits  Class # 9798  
Instructor: Staff  
Prerequisites: Department consent required. Permission of major adviser required.

**Master’s Thesis**
JGRD 899  700  1-6 credits  Class # ****  
Instructor: Laurie Lee  
Prerequisite: Department consent required.
Multi-platform Journalism
JGRD 902  700  3 credits  Class # 16856
Instructor: Staff

Skills and technologies involved with multi-platform journalism and management.

Professional Project
JGRD 992  700  1-6 credits  Class # ****
Instructor: Laurie Lee
Prerequisites: Department consent required.

Development of thesis topic may come from JGRD 992. JGRD 992 is designed for increasing competency in professional practice and depending on goals, may be concentrated in ADVT, BRDC, or NEWS. Translation of social, political, and economic affairs to mass audiences in both print and electronic media.

Mass Media Law
JOMC 886  700  3 credits  Class # 9850
Instructor: John Bender

Legal basis for freedom of speech and press. Limitations imposed upon rights by statute, common law and court decisions. Resolving conflicts between those rights and other constitutional rights. Enhancing critical-thinking and writing skills. Roles, rights, and responsibilities of mass media in a free society through analysis of cases.

Government Controls of Information
JOUR 814  700  3 credits  Class # 16862
Instructor: Staff
Time: M 5:30-8:20 PM CT

Laws, regulations, and practices by which federal, state, and local government enhance or retard access to information about the executive, legislative, and judicial branches.