COURSE DESCRIPITIONS

COURSE FREQUENCY KEY:
F = Fall/Storm Lake
I = Interim
S = Spring/Storm Lake
AN = As needed
ALT F = Alternate Fall
ALT I = Alternate Interim
ALT S = Alternate Spring
ALT 3 S = Alternative every third spring
ALT 3 F = Alternative every third fall

BVU Professional & Online Studies students consult specific location schedules for frequency of course offerings

Graduate students consult graduate schedule for course offerings

BUENA VISTA UNIVERSITY COURSES (OBVU)

0BVU 100 First-Year Seminar F 3 CR
The first-year seminar is a small-section course that focuses on the exercise and development of basic academic skills within the context of a specific discipline-oriented topic. The goal of the course is to enhance critical thinking while sharpening ability in the skill areas of writing, reading, and speaking. The course is also intended to assist students in the transition to life within a learning community, and to facilitate understanding of the privileges, responsibilities, and expectations that accompany membership in such a community. Registration in this course in the first fall semester of enrollment is required of all students who enter Buena Vista University as first-year college students. The course is a three-credit course and is offered only on a graded (A, B, C, D, F) basis and may not be repeated.

0BVU 120 Computer Applications F, S 3 CR
A laboratory experience through which students will gain basic computer application proficiencies. Applications such as word processing, spreadsheet management, database management and presentation management will be covered. Must earn a grade of “C” or better to complete foundation requirements. Gen. Ed Foundations.

ACCOUNTING (ACCT)

ACCT 205 Financial Accounting F, S 3 CR
An introduction to financial accounting that includes the purpose of each financial statement, fundamentals of transaction analysis, accrual accounting, accounting for a merchandising entity, inventory systems and cost flow assumptions, internal controls over cash, reporting and analyzing receivables, long-lived assets, liabilities, stockholders’ equity and investments, and financial statement analysis.

ACCT 206 Managerial Accounting F, S 3 CR
A study of the use of accounting information for managerial decision-making that includes determining the cost of cost objects, ABC costing, CVP relationships, budgets, responsibility, standard costs and performance evaluation, incremental analysis, capital budgeting, and pricing decisions. Prerequisite: ACCT 205.

ACCT 300 Accounting Information Systems ALT S 3 CR
A study of how accounting information systems are incorporated into the profit and nonprofit entities of today. It emphasizes a conceptual framework for the accountant’s responsibility for the design, operation, and control of accounting information systems applications. Prerequisite: ACCT 206.

ACCT 301 Intermediate Accounting I F 4 CR
A study of accounting of the more complex and advanced type; valuation of balance sheet, income statement and analysis of retained earnings; account analysis and definition. Prerequisite: ACCT 206.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 302</td>
<td>Intermediate Accounting II</td>
<td>S</td>
<td>4 CR</td>
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<tr>
<td></td>
<td>A continuation of ACCT 301. Prerequisite: ACCT 301.</td>
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<tr>
<td>ACCT 306</td>
<td>Intermediate Accounting I</td>
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<td>3 CR</td>
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<tr>
<td></td>
<td>A study of accounting of the more complex and advanced type; valuation of balance sheet, income statement and analysis of retained earnings; account analysis and definition. Prerequisite: ACCT 206. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
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<tr>
<td>ACCT 307</td>
<td>Intermediate Accounting II</td>
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<td>3 CR</td>
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<td></td>
<td>A continuation of ACCT 306. Prerequisite: ACCT 306. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
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<tr>
<td>ACCT 308</td>
<td>Intermediate Accounting III</td>
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<td>3 CR</td>
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<td></td>
<td>A continuation of ACCT 307. Prerequisite: ACCT 307. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
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<tr>
<td>ACCT 309</td>
<td>Cost Accounting</td>
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<td>A study of fundamental cost accounting concepts, budgets, inventory costing and management issues, relevant information in non-routine decision making, pricing decisions, and an introduction to strategic analysis. Prerequisite: ACCT 206.</td>
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<tr>
<td>ACCT 310</td>
<td>Accounting for Managers</td>
<td>AN</td>
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<td>An introduction to accounting as the means for recording, summarizing, and communicating events of the business enterprise. Basic accounting fundamentals and concepts which underlie the preparation, analysis, and interpretation of financial statements will be explored. The use of accounting information by business management in planning and controlling operations will also be emphasized. Exposure will be given to such topics as budgeting, performance evaluation, relevant decision making, cost behavior, and cost accumulation techniques.</td>
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<tr>
<td>ACCT 403</td>
<td>Advanced Accounting</td>
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<td>4 CR</td>
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<td></td>
<td>A study of advanced accounting techniques and theory. Prerequisite: ACCT 302.</td>
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<tr>
<td>ACCT 405</td>
<td>Auditing</td>
<td>S</td>
<td>3 CR</td>
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<td>A study of what constitutes a strong internal control system for insuring quality financial information. Also includes a study of the collection of evidence and preparation of the auditor’s opinion on the quality of reported financial information. Introduces the student to auditing as a profession in both private and public settings. Prerequisite: ACCT 302 or ACCT 308.</td>
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<tr>
<td>ACCT 413</td>
<td>Advanced Accounting I</td>
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<td>3 CR</td>
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<tr>
<td></td>
<td>A study of advanced accounting techniques and theory. Prerequisite: ACCT 302 or ACCT 308. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
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<tr>
<td>ACCT 414</td>
<td>Advanced Accounting II</td>
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<td>3 CR</td>
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<td></td>
<td>A continuation of ACCT 413, includes governmental and not-for-profit accounting. Prerequisite: ACCT 413. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
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<td>ACCT 415</td>
<td>Individual Federal Income Tax</td>
<td>F</td>
<td>3 CR</td>
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<td></td>
<td>A study of the basics of federal individual tax. Includes tax research and computer applications for the preparation of returns. Prerequisite: ACCT 205.</td>
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<tr>
<td>ACCT 416</td>
<td>Corporate Federal Income Tax</td>
<td>S</td>
<td>3 CR</td>
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<tr>
<td></td>
<td>A study of the basics of corporate income tax law. Includes tax research and computer applications for the preparation of returns. Prerequisite: ACCT 205.</td>
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</table>
ACCT 428 Governmental/Nonprofit Accounting AN 3 CR
This course is intended to provide comprehensive coverage of accounting and financial reporting standards for governmental and not-for-profit organizations. Includes budgetary, fund, not-for-profit, healthcare, and college accounting. Prerequisite: ACCT 302 or ACCT 307.

ACCT 430 Current Accounting Issues AN 3 CR
A study of the ethical responsibilities an accountant has to the public, exposure to some of the research tools and computer programs currently used by the professional accountant and discussion of current domestic and international accounting issues. Prerequisite: ACCT 304.

ACCT 465 Auditing and Attestation AN 3 CR
A systematic study program, successful examination strategies, and an intensive review of auditing concepts to prepare students for the Auditing & Attestation part of the CPA examination. Prerequisite: ACCT 405.

ACCT 466 Financial Accounting and Reporting AN 3 CR
A systematic study program, successful examination strategies, and an intensive review of financial accounting to prepare students for the Financial Accounting & Reporting part of the CPA examination. Prerequisite: ACCT 403.

ACCT 495 Accounting Internship Variable CR
The business internship is an intensive work experience which is related to the student’s academic major. Students will be placed in selected businesses which are willing to help students become involved in day-to-day operations. P/NC grading. Repeatable for credit. Prerequisite: Accounting major with 70 credit hours and consent of instructor.

ACADEMIC ENRICHMENT (AEXL)
AEXL courses are offered from the Center for Academic Excellence and are considered developmental courses. See pages 19 for listing of courses available.

ART (ART)

ART 100 Art Survey F, S 3 CR
The course is designed to provide the student with a basic understanding of the history of art and the principles involved in understanding, appreciating and the criticism of the visual arts. Does not apply for major or minor credit in art. Gen. Ed. Explorations - Arts.

ART 201 Art Foundations I F 3 CR
The course is designed to cause students to see, respond, and think of themselves as artists. Art Foundations deals with problems of value as they occur in drawing with a variety of non-color materials. Additional work in dimensional expression is included. Gen. Ed. Explorations - Arts.

ART 202 Art Foundations II S 3 CR
The course is directed toward the study of color theory and its application. Problems of color illusion and psychology will be addressed, as well as an introduction to drawing and painting with colored mediums. Gen. Ed. Explorations - Arts.

ART 279 Photography F, S* 3 CR
See MDST 279 for description.
ART 300 Methodology of Art Criticism and Analysis 3 CR
This course is designed to introduce students to the study of art criticism and analysis. Through a combination of readings, writing assignments and viewing works of art, various aspects of art historical methodologies, fields, theories and practices will be explored. This course seeks to solidify the ability of the student to apply what is learned in art historical writings toward the critical analysis of works of art that they may see throughout their lifetime. Gen. Ed. Explorations - Arts.

ART 301 Prehistoric and Medieval Art History F 3 CR
The course will consider the art of developing cultures and trace its evolution through prehistoric and primitive, ancient, classical, and medieval periods. Gen. Ed. Explorations - Arts.

ART 302 European Renaissance Art History S 3 CR
The course will consider stylistic developments in European art during the Renaissance period. Gen. Ed. Explorations - Arts.

ART 303 Baroque to Modern Art History F 3 CR
The course will consider stylistic developments in European art from the close of the Renaissance period through Dada and Surrealism. Gen. Ed. Explorations - Arts.

ART 304 Modern Art History S 3 CR
The course will consider the stylistic developments in art from American colonial times until the present day. Special emphasis is placed on world trends in art since 1945. Gen. Ed. Explorations - Arts.

ART 310 Painting ALT F,S 3 CR
Introductory level oil and/or acrylic painting. The class deals with subject matter selection, technique, color mixing and application, and critique. Prerequisites: ART 201 and ART 202 or permission of the instructor.

ART 320 Sculpture S 3 CR
Introductory level problems in three dimensions. The class will study various processes for the production of and expression in sculptural form. Prerequisites: ART 201 and ART 202 or permission of the instructor.

ART 331 Ceramics: Intro to Wheel Throwing F 3 CR
This course is an introduction to functional ceramics. The class will consider techniques of wheel throwing, trimming, decorating, glazing, and firing of ceramic materials. Prerequisites: ART 201, ART 202 or permission of the instructor.

ART 332 Ceramics: Basic Handbuilding & Sculptural Forms S 3 CR
This course is an introduction to fine arts ceramics. The class will consider techniques of handbuilding, mold-making for ceramics, glazing, clay preparation, and firing. Prerequisites: ART 201, ART 202 or permission of the instructor.

ART 340 Printmaking: Intaglio ALT F,S* 3 CR
Introductory level problems in art printmaking. The course will acquaint the student with the processes of intaglio, collograph, and monoprint production. Prerequisites: ART 201 and ART 202 or permission of the instructor. * Alternates with ART 341.

ART 341 Printmaking: Lithography ALT F,S* 3 CR
Introductory level problems in art printmaking. The course will acquaint the student with the processes of lithography, relief, and silkscreen production. Prerequisites: ART 201 and ART 202 or permission of the instructor. * Alternates with ART 340.
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<th>Course Code</th>
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<th>Delivery</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 410</td>
<td>Advanced Painting</td>
<td>ALT F, S</td>
<td>3 CR</td>
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<tr>
<td></td>
<td>Advanced problems in painting. The course may be repeated for credit. Prerequisite: ART 310.</td>
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<tr>
<td>ART 420</td>
<td>Advanced Sculpture</td>
<td>S</td>
<td>3 CR</td>
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<td></td>
<td>Advanced problems in sculpture. The course may be repeated for credit. Prerequisite: ART 320.</td>
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<tr>
<td>ART 430</td>
<td>Advanced Ceramics</td>
<td>F, S</td>
<td>3 CR</td>
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<td>This course involves advanced problems in ceramics including glaze calculation and kiln firing procedures. The course may be repeated for credit. Prerequisite: ART 330, ART 331 or ART 332.</td>
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<tr>
<td>ART 440</td>
<td>Advanced Printmaking</td>
<td>ALT F, S</td>
<td>3 CR</td>
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<td></td>
<td>Advanced problems in printmaking in which the student will be expected to develop expert proficiency in the medium. The course may be repeated for credit. Prerequisite: ART 340 or ART 341.</td>
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<tr>
<td>ART 460</td>
<td>Advanced Drawing</td>
<td>S</td>
<td>3 CR</td>
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<td>This course focuses on the study of the human figure through problem-solving. Students will face a variety of drawing situations throughout the course and will be directed to use specific techniques to respond to the situations in order to expand their awareness of technical choices in drawing. This studio course places emphasis on human anatomy and the subsequent rendering of proportion, weight, form and mass of the figure on a two-dimensional surface. Prerequisites: ART 201, ART 202, and one from the following (ART 310, 320, 331, 332, 340, or 341).</td>
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<td>ART 492</td>
<td>Senior Seminar</td>
<td>F</td>
<td>2 CR</td>
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<td>This course is a capstone course for art and graphic design majors which will consider issues such as résumé and portfolio preparation, grant writing, oral and written proposal presentation and other topics pertinent to the student artist’s entry into the marketplace. Considerable emphasis will be placed on contemporary issues in the artistic critical community and the means by which artists may enter that community.</td>
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<td>ART 493</td>
<td>Senior Exhibition</td>
<td>F, S</td>
<td>1 CR</td>
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<td>The preparation, installation, advertising, and presentation of a show of the student artist’s work. Prerequisites: Permission of the instructor and ART 492.</td>
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<tr>
<td>ART 495</td>
<td>Internship</td>
<td>Variable</td>
<td>CR</td>
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<td>The internship is an intensive work experience which is related to the student’s major interest. Students will be placed in selected organizations which are willing to help them become involved in their chosen career path. P/NC grading. Repeatable for credit. Prerequisite: Approval of supervising faculty member.</td>
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<td>ART 497</td>
<td>Senior Directed Research</td>
<td>F, S</td>
<td>1 CR</td>
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<td>A supervised research project that is appropriate for the student’s interest within art history. Prerequisite: Approval of supervising faculty member.</td>
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**ARTS MANAGEMENT (AMGT)**

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<tr>
<th>Course Code</th>
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<th>Delivery</th>
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<tbody>
<tr>
<td>AMGT 425</td>
<td>Issues in Arts Management</td>
<td>ALT S</td>
<td>3 CR</td>
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<td>This course will explore the intersections of art and business by providing an overview of the conceptual and practical structures of arts management for not-for-profit organizations with attention paid to the for-profit marketplace. Emphasis will be on developing arts leaders for communities. Topics will include cultural policy, advocacy, funding sources and strategies, contracts and negotiations, educational outreach, marketing and audience development, programming, and vocational planning. Prerequisite: Junior or senior class standing.</td>
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AMGT 490  Portfolio  F, S  0 CR
A collection of the student’s work across the major in preparation for job searches and demonstration of intellectual and creative growth. Individual presentations of portfolio required. Prerequisite: Senior standing.

AMGT 495  Internship  Variable CR
Intensive work experience that is related to the student’s major interest. Students will be placed in selected organizations that are willing to help them become involved in their chosen career path. P/NC grading. Repeatable for credit. Prerequisite: Approval of supervising faculty member.

ATHLETIC TRAINING
See listings under Exercise Science.

BIOLOGY (BIOL)
INTRODUCTION TO BIOLOGICAL SCIENCE  AN*
BIOL 104  Cancer and Aging  1 CR
BIOL 106  The Brain  1 CR
BIOL 107  Human Genetics  1 CR
BIOL 108  Human Reproduction and Development  1 CR
BIOL 109  Ecology  1 CR
BIOL 110  Infectious Diseases  1 CR
BIOL 112  Evolution  1 CR
BIOL 113  Biology of Birds  1 CR
BIOL 114  Aquatic Biology  1 CR
*Minimum of two courses offered each semester.

BIOL 115  Introduction to Biological Science Lab  AN  1 CR
A laboratory designed for elementary education majors using biological principles and examples of experiments which may be used in the classroom. Gen. Ed. Explorations – Science.

BIOL 120  Life Science with a Human Focus  AN  3 CR
A course designed for the non-science major, focused on the human body as a physical system and how humans influence and are influenced by their environment. Gen. Ed. Explorations – Science.

BIOL 142  Introduction to Human Physiology  S  3 CR
A course designed for athletic training and exercise science human performance majors as a study of the function of the organ systems responsible for maintaining the human body in a dynamic state. Prerequisite: EXSC 140. Gen. Ed. Explorations – Science.

BIOL 163  Biological Principles I  F  4 CR
Fundamental concepts pertaining to evolution, ecology and genetics are developed in this course intended for biology majors. Three lectures plus one two-hour lab. Gen. Ed. Explorations – Science.

BIOL 164  Biological Principles II  S  4 CR
Fundamental concepts pertaining to organismal and cell biology are developed in this course intended for biology majors. Gen. Ed. Explorations – Science.

BIOL 200  Research Experience  S  1 CR
As a member of small research team, sophomore biology majors will participate in an ongoing study. In addition they will conduct a literature review of a topic of interest and
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<th>Course Code</th>
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<tbody>
<tr>
<td>BIOL 210</td>
<td>Zoology</td>
<td>ALT S</td>
<td>4 CR</td>
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<td>A study of representatives of the animal kingdom, their structure, life processes, distribution, development, adaptation, and classification. Three lectures plus one two-hour laboratory period. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.</td>
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<td>BIOL 222</td>
<td>Botany</td>
<td>ALT F</td>
<td>4 CR</td>
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<td>A study of the anatomy, physiology, reproduction, and development of plants. Life cycles and characteristics of the monera, protista, and fungi are also considered. Three lectures plus one two-hour laboratory period. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.</td>
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<td>BIOL 240</td>
<td>Microbiology</td>
<td>F</td>
<td>4 CR</td>
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<td>The study of micro-organisms in their relationship to agriculture, sanitation, and disease, with emphasis upon laboratory technique. Three lectures plus one three-hour laboratory period. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.</td>
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<td>BIOL 260</td>
<td>Genetics</td>
<td>S</td>
<td>4 CR</td>
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<td>Principles of heredity in animals and plants with applications to human disease, agriculture, biochemistry, and evolution. Synthesis of classical Mendelian and modern molecular perspectives is emphasized. Three lectures plus one two-hour laboratory period. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.</td>
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<td>BIOL 270</td>
<td>Evolution</td>
<td>F</td>
<td>3 CR</td>
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<td>BIOL 280</td>
<td>Human Anatomy</td>
<td>F</td>
<td>4 CR</td>
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<td></td>
<td>A survey of human anatomy including dissection of a human cadaver in the laboratory. This course is designed primarily for biology majors, athletic training majors, and pre-professional students. Prerequisite: BIOL 164.</td>
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<tr>
<td>BIOL 300</td>
<td>Research Experience</td>
<td>S</td>
<td>1 CR</td>
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<td>As the leader of a small research team, individuals who are in their third curricular year in biology will conduct a project of their own design. They will gather data, record data, and wisely utilize the assistance of their team members. P/NC grading. Prerequisite: BIOL 200.</td>
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<td>BIOL 305</td>
<td>Cell Biology</td>
<td>S</td>
<td>4 CR</td>
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<td>A study of biological organization and function at the cellular level. Cellular anatomy, metabolism, and reproduction are emphasized. Three lectures plus one two-hour laboratory period. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.</td>
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<tr>
<td>BIOL 311</td>
<td>Embryology</td>
<td>AN</td>
<td>3 CR</td>
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<td>This is a study of germ cell maturation, fertilization, early development, organogenesis, and physiological adaptations of fetuses, with emphasis on humans. Three lectures. Prerequisite: BIOL 280.</td>
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<tr>
<td>BIOL 320</td>
<td>Immunology</td>
<td>AN</td>
<td>3 CR</td>
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<td>This is an introduction to the fundamentals of immunology. Topics include the history of immunology, structure and function of the lymphoid system, antibodies and antigens, and cellular and humoral immune responses. In addition, aspects of histocompatibility, cancer biology, and vaccine technology topics will be considered. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.</td>
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</table>
BIOL 325  Endocrinology  AN  3 CR
An introduction to the fundamentals of endocrinology. Topics include the anatomy, histology, and physiology of the endocrine organs, hormone synthetic pathways, the regulation of hormone secretion, and the physiological action of hormones. 
*Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.*

BIOL 330  Histology  AN  4 CR
Study of microscopic structure and functions of cells, tissues, and organs. Laboratory devoted to cellular morphology and microtechniques. Three lectures plus one three-hour laboratory period. *Prerequisite: BIOL 280.*

BIOL 335  Virology  AN  4 CR
A study of animal viruses with an emphasis on viral replication, pathogenesis, and epidemiology. Three lecture hours plus two laboratory hours. *Successful completion of either BIOL 240 or BIOL 260 is recommended before taking this course. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.*

BIOL 340  Parasitology  AN  4 CR
A study of representative parasitic protozoa, helminthes, and arthropods with consideration of the interaction of host and parasite. Three lectures plus one three-hour laboratory period. *BIOL 210 is highly recommended. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.*

BIOL 360  Ecology  AN  4 CR
Study of the relationship between organisms and their environment, interrelations in the species, population and community. Three lecture periods and one four-hour laboratory. *BIOL 210 is highly recommended. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.*

BIOL 366  Mammalogy  AN  4 CR
Study of the taxonomy, ecology, and anatomical or physiological adaptations of mammals with special emphasis given to mammals of Iowa. Three lecture periods and one two-hour laboratory. *BIOL 210 is highly recommended. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.*

BIOL 370  Animal Behavior  AN  4 CR
An introduction to ethology, the study of behavior as a characteristic of an organism. Course includes evolution and development of behavior, learning, communication, biological rhythms, and social behavior. Lab consists of behavioral observations of a species. *BIOL 210 is highly recommended. Prerequisites: BIOL 163 and BIOL 164, or consent of instructor.*

BIOL 380  Human Physiology  S  4 CR
Critical study of the biochemical and biophysical processes responsible for maintaining the organism in its dynamic state. *Prerequisites: CHEM 152; BIOL 164.*

BIOL 385  Neuroscience  AN  4 CR
An investigation into principles of brain function from neurons to behaviors within the context of current technological advances in studies of brain function. Students will participate in a lab focusing on current methods in neuroscience research. Three lecture hours plus one two-hour laboratory period. *Successful completion of BIOL 380 is recommended before taking this course. Prerequisites: BIOL 163 and BIOL 164, or consent of the instructor.*

BIOL 390  Molecular Biology  S  4 CR
An investigation of the importance and effects of DNA, RNA, and proteins within the context of a class project. Emphasis is placed on active learning, the development of
laboratory skills, and genuine discovery. *Successful completion of BIOL 260 or BIOL 305 is recommended before taking this course.* Prerequisites: BIOL 163 and BIOL 164, or consent of the instructor.

### BIOL 400 Research Experience S 1 CR
Students will analyze the data gathered during the research project, conduct statistical analysis where appropriate, and organize it for presentation (either written, public or both). P/NC grading. Prerequisite: BIOL 300.

### BIOL 495 Internship Variable CR
This course involves an internship in which the student works closely with a professional in his/her field. P/NC grading. Repeatable for credit. Prerequisite: Approval of supervising faculty member.

### BIOL 496 Field Studies AN 0-3 CR
A travel experience in which the student participates in a trip that involves a biological emphasis or completes an approved course at a field station. P/NC grading.

### BIOL 498 Senior Capstone Seminar F 1 CR
Designed as a final course in biology. This seminar considers philosophical perspectives of science and the role of the scientist in society. Repeatable for credit.

### BUSINESS ECONOMICS
See listings under Economics.

### BUSINESS EDUCATION (BUED)

#### BUED 320 Technical Applications in Business AN 1 CR
This web-based course familiarizes business education majors with a number of the commonly used software programs employed in the 5-12 business curriculum. Prerequisite: OBVU 120.

### CHEMISTRY (CHEM)

#### CHEM 110 Everyday Chemistry AN 3 CR
This course is designed to introduce the non-science major to the concepts and basic principles of chemistry by contextually integrating today’s technological issues and the chemical principles imbedded within them. *Gen. Ed. Explorations - Science.*

#### CHEM 151 General and Inorganic Chemistry F 4 CR
A study of chemical elements and compounds, their structure and properties. An introduction to the natural laws, theories, and principles of matter as affected by temperature, pressure, and concentration. Three lectures and one three-hour laboratory period. *Gen. Ed. Explorations – Science.* Prerequisite: MATH 100 or equivalent.

#### CHEM 152 Inorganic Chemistry and Qualitative Analysis S 4 CR
The lectures of CHEM 151 are continued to include equilibrium, kinetics, pH, and nuclear chemistry. The laboratory work is chiefly semi-micro systematic separation and identification of inorganic anions and cations. Three lectures and one three-hour laboratory period. Prerequisite: CHEM 151.

#### CHEM 261 Organic Chemistry I F 5 CR
First in a two-semester sequence introducing the chemistry of carbon compounds. Emphasis on structure, spectroscopic analysis, synthesis, reaction mechanisms, and properties. Laboratory emphasizes technique and synthesis. Four lectures and one three-hour laboratory period. Prerequisite: CHEM 152.
CHEM 262  Organic Chemistry II  S  5 CR
Continuation of CHEM 261. Course covers major functional groups of biological interest and carbohydrates. Laboratory continues organic synthesis and includes qualitative analysis of organic compounds. Four lectures and one three-hour laboratory period. Prerequisite: CHEM 261.

CHEM 263  Organic Chemistry II  S  4 CR
Continuation of CHEM 261 concurrent lecture with existing course, CHEM 262 (5 hours), but with no laboratory. Prerequisite: CHEM 261.

CHEM 300  Chemistry Research  F, S  Variable CR
Individuals will participate in a chemistry research project, directed by a member of the chemistry faculty. Research findings will be presented in written form, and orally in chemistry seminar (CHEM 498). Participants will be encouraged to present their research at other on-campus events, and at off-campus meetings. Repeatable for credit. Prerequisite: CHEM 262, or consent of instructor.

CHEM 311  Quantitative Analysis  F  4 CR
Introduction to the theory and practice of standard techniques of chemical analysis, especially in the areas of gravimetry, titration, electrochemistry, and chromatography. Three lectures and one three-hour laboratory period. Prerequisite: CHEM 262.

CHEM 321  Spectroscopy  ALT S  2 CR
Presents the basic theories underlying spectroscopy while incorporating modern viewpoints of practical utility in spectroscopy research. One lecture and one three-hour laboratory period. Prerequisite: CHEM 311.

CHEM 322  Chemical Separations  ALT S  2 CR
Theory and practice of chromatography and extractions as applied to organic, inorganic, biochemical, and environmental problems. GC, HPLC, ion exchange, size exclusion, affinity chromatography, SPE and SPME methods will be studied. One lecture and one three-hour laboratory period. Prerequisite: CHEM 311.

CHEM 353  Physical Chemistry I  F  3 CR
A study of the laws and principles of chemistry, including thermodynamics and equilibrium. Three lectures and one three-hour laboratory period. Same as PHYS 353. Prerequisites: CHEM 311, PHYS 211 and MATH 160.

CHEM 354  Physical Chemistry II  ALT S  3 CR
A calculus study of physical chemistry, including kinetics, electrochemistry, the quantum theory, etc. Three lectures and one three-hour laboratory period. Prerequisites: CHEM 351 and MATH 161.

CHEM 355  Physical Chemistry Laboratory  ALT S  2 CR
Illustrates principles of physical chemistry, techniques of measurement, and analysis and interpretation of data. Two 3-hour laboratory. Prerequisite: CHEM 353.

CHEM 380  Advanced Chemical Synthesis  AN  3 CR
Advanced synthetic techniques from organic, inorganic, and biochemical fields are reviewed and implemented in a laboratory setting. Prerequisite: CHEM 311.

CHEM 381  Inorganic Chemistry  AN  3 CR
A basic course on theoretical and descriptive inorganic chemistry. Prerequisite: CHEM 353.
CHEM 401 Introductory Biochemistry  S  3 CR
One-semester survey of the chemical aspects of life, beginning with proteins, carbohydrates, lipids, and nucleic acids and continuing to the metabolic pathways of catabolism and anabolism. Emphasizes structure and function and the coverage of topics such as enzyme reactions and replication from a molecular viewpoint. Three lectures. Prerequisites: CHEM 261 and BIOL 164.

CHEM 402 Biochemistry Laboratory  ALT S  2 CR
Isolation, characterization, and properties of biological molecules such as proteins and nucleic acids. One lecture and one three-hour laboratory period. Prerequisite: CHEM 401.

CHEM 495 Chemistry Internship  Variable CR
An intensive, supervised work experience in a discipline-related work environment. Repeatable for credit. P/NC grading. Prerequisite: Approval of supervising chemistry faculty member.

CHEM 498 Chemistry Seminar  F, S  1 CR
Designed for advanced students, this course develops written and oral presentation communication skills and literature research abilities. Students will present results of their research or internship. Prerequisites: CHEM 300 or CHEM 495, senior status or consent of instructor.

CHINESE (CHIN)

CHIN 101 Elementary Chinese I  AN  3 CR
An introduction to the fundamentals of Chinese, including pronunciation, grammar, and culture. No prior experience with the language is required. Gen. Ed. Explorations – Humanities.

CHIN 102 Elementary Chinese II  AN  3 CR
Continuation of CHIN 101 with an emphasis on expanding vocabulary and an increased awareness of Chinese culture. Gen. Ed. Explorations – Humanities. Prerequisites: CHIN 101 or equivalent.

CHIN 250 Experiences in Conversation  AN  1-3 CR
A course intended for students who complete one or two years of a language on campus, and/or go on an international exchange and wish to maintain their language ability but cannot pursue upper division courses in that language. Does not count for major or minor credit.

CHIN 490 International Experience  AN  3-9 CR
Credit may be obtained by students who have the opportunity to study abroad or who can apply living experiences abroad to academic disciplines. Arrangements for academic credit and faculty approval must be made prior to the international experience. The experience will be approved and evaluated on the same basis as an on-campus course. P/NC grading.

COMMUNICATION AND GRAPHIC DESIGN (GDES)

GDES 223 Publication Design and Production  F, S  3 CR
Elements of pure design are studied and applied to the design of newspapers, magazines, and public relations materials. The Lage Macintosh Lab is used to do desktop publishing for real-world clients.
GDES 349  Graphic Design  S  3 CR
A survey of the history and modern practice of graphic design. Laboratory exercises will center on the development of graphics for print in black and white and color. Prerequisite: GDES 223.

GDES 449  Advanced Graphic Design  F  3 CR
This course will consider the problems and practices of graphic presentation in the present day work setting. Emphasis will be placed on advanced preparation for production and computer generated presentation. Prerequisite: GDES 349.

GDES 495  Internship  Variable CR
An intensive, supervised work experience in a discipline related work environment. Repeatable for credit. P/NC grading. Prerequisite: Approval of supervising faculty member.

COMMUNICATION AND PERFORMANCE STUDIES (CPER)

CPER 103  Interpersonal Communication  F, S  3 CR
Focuses on the importance of personal communication in a variety of contexts. Emphasis is on the roles of perception, awareness, language, and culture in the communication process. This is not a course in public speaking. Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundation requirement.

CPER 105  Public Speaking  F, S  3 CR
Focuses on the intellectual and physical techniques of speech in public discourse. Students participate in the art of public speaking through in-class speech situations. Emphasis is on the organization, research, development, and delivery of the public presentation in a variety of contexts. Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundation requirement.

CPER 110  Introduction to the Theatre  F, S  3 CR
An introduction to the theatre as an art form, including theory of theatre, historical development, and present-day means of production; emphasis on the theatre as a building, an institution, and an art; and on the playwright, the director, the actors, and the designers — intended to create intelligent theatre-goers. Gen. Ed. Explorations - Arts.

CPER 190  Stagecraft  AN  3 CR
The techniques of theatrical construction. Emphasis on design, construction, and use of basic and some advanced theatrical and/or scenic elements.

CPER 215  Business and Professional Communication  F, S  3 CR
Focuses on oral presentational skills needed for success in business and the professions, including dyadic, small group, and public forums. Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundation requirement.

CPER 220  Fundamentals of Acting  ALT F  3 CR
A study of acting techniques emphasizing the use of the body and voice to communicate character. Students develop expressiveness, a willingness to take risks, an understanding of the nature of dramatic conflict, and the ability to communicate character motivation through physical and vocal techniques, improvisational theatre games, and scene study. Performance and active participation stressed. Gen. Ed. Explorations - Arts.

CPER 242  Production and Performance  F, S  1 CR
A course designed to give students practical experience in the performance of a stage play. May be repeated until a maximum of four hours are earned.
CPER 250  Introduction to Advertising  F, S*  3 CR
Same as MDST 250.

CPER 260  Oral Interpretation of Literature  AN  3 CR
The theory and practice of preparing and performing literary works from manuscript. Students learn how to analyze and adapt works of fiction and non-fiction for dramatic presentation.

CPER 272  Introduction to Public Relations  F, S  3 CR
Same as MDST 272.

CPER 280  Group Communication  S  3 CR
Theory, research, and laboratory experience in group communication. Analysis of problems in group discussion; examination of decision-making techniques, including consideration of argument construction leading to compliance, and team-building activities. Students apply course concepts by participating in a team project.

CPER 285  Intercultural Communication  S  3 CR
An overview of how people communicate with people from other cultures. Students will learn to communicate more competently with people from other cultures by understanding their own culture and analyzing the ways in which verbal and nonverbal communication vary across cultures. Prerequisite: 45 credit hours or permission of instructor.

CPER 290  Production Design  AN  3 CR
A course designed to give students historical and working knowledge of the elements of production design. Emphasis is placed on analyzing the script for production elements, creating a technical production script and conceptualization of design possibilities.

CPER 300  Fundamentals of Directing  ALT F  3 CR
Designed for the study of the preparation and staging techniques of realistic plays. Director-actor communication, organization of a production staff, pictorial composition and action, and an introduction to stage and lighting design are among the topics emphasized. Each student stages a realistic one-act play. Previous experience and/or coursework in drama recommended.

CPER 320  Introduction to Communication Research  F  3 CR
Surveys contemporary and classical research efforts in communication studies. Contributions from areas such as public relations, media studies, organizational and interpersonal communication are included. Emphasis is placed on learning and evaluating research, argument, design, and measurement. Gen. Ed. Explorations – Social Science. Prerequisite: Junior standing or permission of the instructor.

CPER 330  Messages, Meaning, and Society  F  3 CR
A study in the major approaches to the human creation and transmission of meaning. Examines the levels at which and the manner in which messages transmitted through verbal and nonverbal communication may be persuasive.

CPER 350  Organizational Communication Theory and Practice  ALT S  3 CR
Focuses on communication research, theory, and practice relevant to the organizational context. Topics such as organizational culture, organizational change, communication channels and networks, leadership, power, technology, conflict, and ethics are addressed.

CPER 351  Shakespeare  S  3 CR
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CPER 355</td>
<td>Conflict Management</td>
<td>F</td>
<td>3 CR</td>
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<td>Examines the role of communication in the effective management of conflict. Studies conflict in various contexts: intrapersonal, interpersonal, group, organizational, national, and international. Also introduces basic mediation topics, gendered communication, intercultural communication, and nonverbal communication. <em>Gen. Ed. Explorations – Social Science.</em></td>
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<tr>
<td>CPER 370</td>
<td>Leadership and Communication</td>
<td>S</td>
<td>3 CR</td>
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<td>A survey of issues associated with effective leadership. Emphasis on communication dynamics essential for effective leadership including topics such as styles and types of leadership, leader versus leadership qualities, diversity enhancement, ethics, building credibility, and power and influence among leaders and followers. <em>Prerequisite: Junior standing or permission of instructor.</em></td>
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<tr>
<td>CPER 374</td>
<td>Interviewing</td>
<td>F</td>
<td>3 CR</td>
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<td>In-depth study of various organizational interviews, including employment, performance appraisals, disciplinary, information gathering, counseling, and exit interviews. Interviews are examined from the perspective of both the interviewer and interviewee. <em>Prerequisite: Junior standing or permission of instructor.</em></td>
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<tr>
<td>CPER 376</td>
<td>Public Relations Campaigns</td>
<td>S</td>
<td>3 CR</td>
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<td>Same as MDST 376.</td>
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<tr>
<td>CPER 380</td>
<td>Topics in Communications and Performance Studies</td>
<td>AN</td>
<td>3 CR</td>
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<td>This course focuses on a specific topic of study in communications or in theatre. Topics are selected based on student and faculty interest, as well as current developments in the discipline or the community-at-large and may include, but are not limited to The History of Rhetorical Theory, Consulting and Training, Family Communication, Rhetorical Theory and Film, Children’s Theatre, Theatre for Social Change, Playwriting, Improvisation, and Ensemble Theatre.</td>
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<tr>
<td>CPER 390</td>
<td>Specialty Design</td>
<td>AN</td>
<td>3 CR</td>
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<td>This course looks at the design aspects of properties, costume, sound, and lighting and their application in theatrical productions. Students will research, design, and construct or competently apply these specialty elements.</td>
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<tr>
<td>CPER 395</td>
<td>Plays By and About Women</td>
<td>ALT S</td>
<td>3 CR</td>
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<td>A study of the growth of dramatic literature written by women with special emphasis on developments from the Restoration to the present. Plays are placed within the social and historical context of the status of women during the centuries the class examines. Literary comparisons across countries and cultures will enhance the student’s appreciation of this important literary movement. Same as ENGL 395. <em>Also available for WMST credit. Gen. Ed. Explorations – Humanities.</em></td>
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<tr>
<td>CPER 401</td>
<td>History of the Theatre I</td>
<td>ALT F</td>
<td>3 CR</td>
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<td>A survey of the development of various phases of the theatre, from primitive cultures through the 20th century. Emphasis is on the style and growth of acting, design, architecture, playwriting, and dramatic theory through major periods of world history. First semester: Greek through neo-classical theatre. <em>Gen. Ed. Explorations - Arts</em></td>
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<tr>
<td>CPER 402</td>
<td>History of the Theatre II</td>
<td>ALT S</td>
<td>3 CR</td>
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<td>Continuation of CPER 401 concentrating on the 19th and 20th centuries. <em>Gen. Ed. Explorations - Arts</em></td>
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</tbody>
</table>
**COURSE DESCRIPTIONS**

**CPER 405** Advanced Acting

A study of theories of acting and the application of acting techniques to the performance of play texts. Students develop an understanding of acting from a historical perspective through scene study and analysis of dramatic material from the Ancient Greeks to the present, the practice of physical skills such as fencing and commedia techniques, and the use of the voice for poetic and heightened language. Performance and active participation stressed. **Prerequisite:** CPER 220 or permission of instructor.

**CPER 406** Advanced Directing

Designed for the study and production of complex performance forms including traditional theatre, film and video, and performance art. Possible topics address directing problems such as period and style, differing space configurations, musical theatre, non-realistic theatre forms, film and video, and non-traditional performance. Final project demonstrating the student’s use and understanding of directing techniques culminates the semester. **Prerequisite:** CPER 300 or permission of instructor.

**CPER 411** Dramatic Literature

A study of significant plays representing various periods and styles in the development of drama, from the Golden Age of Greece to the modern era. Production histories, as well as literary values of plays, are examined. Same as ENGL 411. **Gen. Ed. Explorations – Humanities.**

**CPER 442** Human Communication Theory

Designed as the capstone experience. Concentrates on the foundational theories and research that ground and extend our understanding of the communication discipline. **Prerequisite:** Senior standing or permission of instructor.

**CPER 490** Portfolio

A collection of the student’s work across the major in preparation for job searches and demonstration of intellectual and creative growth. Individual presentations of portfolio are required. P/NC grading. **Prerequisite:** Senior standing.

**CPER 495** Internship

An intensive work experience that is related to the student’s major interest. Students will be placed in selected organizations that are willing to help students become involved in their chosen career paths. P/NC grading. Repeatable for credit. **Prerequisite:** Approval of supervising faculty member.

**ACTING STUDIO**

Individual instruction and coaching on various topics relevant to acting and performance. Students should select and enroll in a course after consultation with the instructor. Only one course can be taken in a semester. **Prerequisite:** Permission of instructor.

- CPER 121 Basic Movement Technique
- CPER 122 Basic Vocal Production and Technique
- CPER 221 Monologue Study
- CPER 222 Scene Study
- CPER 321 Musical Theatre
- CPER 322 Non-Realistic Approaches to Acting
- CPER 421 Auditioning Technique
- CPER 422 Acting for Media

**COMPUTER SCIENCE (CMSC)**

**CMSC 160** Programming in Visual BASIC

Introduction to computer programming using Visual BASIC. Emphasis on the fundamentals of structured design, development, testing, implementation, and

**CMSC 180** Discrete Mathematics  
F, S  
3 CR  
A study of mathematical properties of sets and systems that have only a finite number of elements. Topics include iteration, recursion, induction, graph theory, matrices, logic tables, Boolean algebra, and logic circuits. *Prerequisite: 3.5 years of high school mathematics or MATH 145 or equivalent.*

**CMSC 200** Computer Science I  
F, S  
3 CR  
The course covers basic principles of computer science such as machine organization and representation of data, as well as an introduction to high-level programming in a language such as JAVA. *Gen. Ed. Explorations – Science. Prerequisite: Some computer programming familiarity.*

**CMSC 201** Computer Science II  
F, S  
3 CR  
A continuation of Computer Science CMSC 200 with emphasis on data structures and their implementation. *Prerequisite: CMSC 200.*

**CMSC 300** Interfacing the Web  
AN  
3 CR  
Students will learn to create and format web pages using the latest mark-up languages such as DHTML and XML. They will use scripting languages such as Javascript and PHP to create dynamic web sites with interactive forms and connections to data bases. *Prerequisite: CMSC 201.*

**CMSC 305** Artificial Intelligence  
ALT S  
3 CR  
Artificial intelligence is the art and science of creating computer programs that perceive and interact intelligently with their environment. This course explores the logical, philosophical, linguistic, psychological, and engineering foundations of this rapidly evolving field. *Prerequisite: CMSC 201.*

**CMSC 310** Data Structures  
S  
3 CR  
Basic techniques in design and analysis of efficient data management techniques relating to tree and graph processing, memory management, and basic data base management. *Prerequisites: CMSC 201 or MIS 211.*

**CMSC 315** Internet Programming  
AN  
3 CR  
This course is an in depth look at current technologies that are used to program multitiered, client/server, databases-intensive, multi-user, web-based applications, services, and games. The emphasis will be on ‘server side’ programming using Java Servlets and JSP. *Prerequisites: CMSC 201.*

**CMSC 320** Assembly Language and Machine Architecture  
F  
3 CR  
This course covers computer architecture and basic techniques of machine language coding including instruction sets and addressing techniques. *Prerequisite: CMSC 201.*

**CMSC 330** Operating Systems  
ALT F  
3 CR  
Introduction to hardware and software related to system organization. Processors, peripherals, process and memory management, system protection are included. *Prerequisite: CMSC 320.*

**CMSC 340** Theory of Computation  
ALT F  
3 CR  
This course covers topics from the theory of computation, including finite automata, formal languages, Turing machines, computability, and computational complexity. *Prerequisites: CMSC 201 and CMSC 180.*
CMSC 350  Computer Design  ALT S  3 CR
Computer design focuses on topics such as Boolean algebra, logic gates, combination and sequential logic, memory implementations, processors, and microcomputer system organization. Prerequisites: CMSC 320.

CMSC 355  Introduction to Graphics  ALT F  3 CR
This course provides a broad overview of the basic concepts of computer graphics, including both 2D raster graphics and 3D graphics. In addition the general features of graphics hardware and system architectures will be covered. Prerequisites: CMSC 201 and CMSC 180.

CMSC 365  Principles of Programming Languages  ALT F  3 CR
This course deals with characteristics of broad classes of computer languages such as procedural languages, object oriented languages, concurrent languages, and list processing languages. Some programming will be done though the emphasis will be on theory. Prerequisite: CMSC 320.

CMSC 420  Principles of Compiler Design  ALT S  3 CR
This course introduces the fundamental concepts and techniques involved in compiler design. Topics include lexical analysis, parsing, syntax analysis, and code generation and optimization. Prerequisite: CMSC 310 and CMSC 320.

CMSC 460  Software Engineering  S  3 CR
A capstone course emphasizing the design, implementation, testing, and maintenance of major software projects. Projects will be developed by teams of 3-4 students. Prerequisites: CMSC 310, CMSC 330 and senior status.

CMSC 495  Computer Science Internship  Variable CR
An intensive experience with an approved organization for the purpose of obtaining practical experience in the field of computer science. Repeatable for credit. P/NC grading. Prerequisite: permission of the instructor.

CRIMINOLOGY AND CRIMINAL JUSTICE (CRIM)

CRIM 101  Criminal Justice Systems  F  3 CR
An introduction to the field of criminal justice, this course examines the main components of the criminal justice system. It provides the students with a broad overview of the history and functions of the police, courts, and correctional system in the United States. Gen. Ed. Explorations – Social Science.

CRIM 102  Survey of Criminology  S  3 CR
An overview of the discipline of criminology, this course examines major theoretical perspectives, basic assumptions, and definitions. Crime typologies and measurement of crime are an integral part of this course. Gen. Ed. Explorations – Social Science.

CRIM 220  Introduction to Law Enforcement  S  3 CR
As an introduction to law enforcement in society, this course will examine the historical and contemporary role of law enforcement, the politics of law enforcement practice, law enforcement administration and discretion. Prerequisite: CRIM 101.

CRIM 230  Survey of Criminal Courts  S  3 CR
This course will provide a comprehensive understanding of the theory and practice of the United States criminal court system. It will explore the structure and function of the courts as well as the process and politics of the state and federal judicial systems. Prerequisite: CRIM 101.
CRIM 240  **Criminal Law**  AN  3 CR
This course discusses the goals and rationale of criminal law. Students will learn the basic elements of crimes and criminal defenses. An exploration of the fundamental issue of the relationship of the individual to the state is also reviewed. *Prerequisite: CRIM 101.*

CRIM 276  **Topics in Offender Populations**  AN  3 CR
Current issues in adult and juvenile offender populations will be examined. Possible topics include, but are not limited to, the life and times of offenders, offender characteristics and typologies, mental health and substance abuse issues of offenders, offender classification and treatment, offender management in both institutions and the community, special populations, and correctional administration. *Prerequisites: CRIM 101.*

CRIM 290  **Institutional Corrections**  AN  3 CR
The history, organization, and functions of correctional settings are examined. Students will explore the purpose and procedures of these institutions at the local, state, and federal levels. *Prerequisite: CRIM 101.*

CRIM 291  **Community Corrections**  AN  3 CR
This course is an in depth analysis of alternatives to incarceration such as intermediate sanctions and probation. Other programs reviewed include parole, community correctional centers, half-way houses, and restorative justice programs. The prevalence of private interests in community-based corrections is also examined. *Prerequisite: CRIM 101.*

CRIM 343  **Juvenile Justice Systems**  S  3 CR
This course traces the historical, philosophical and legal development of the juvenile justice system in the United States and examines the various stages of the juvenile justice process and critical issues currently facing the system. *Prerequisite: CRIM 101.*

CRIM 350  **Organization and Management in Criminal Justice**  ALT F  3 CR
This course covers contemporary concepts, principles and theories of organization and administration in criminal justice agencies including issues of budgeting, forecasting, human resource management, and project implementation. *Prerequisite: CRIM 101.*

CRIM 371  **Criminal Procedure**  AN  3 CR
Constitutional development of the law of criminal procedure including search and seizure, arrest, interrogation, trial, and post-conviction proceedings are reviewed in this course. *Prerequisite: CRIM 101.*

CRIM 375  **Criminal Investigation**  AN  3 CR
The procedures of crime investigations, the preservation of evidence, and courtroom preparation is studied in this course. *Prerequisite: CRIM 101.*

CRIM 376  **Advanced Topics in Policing**  AN  3 CR
This course will focus on specific issues related to the practice of law enforcement including but not limited to: problem oriented policing, police use of force, racial profiling, and police corruption. *Prerequisite: CRIM 220.*

CRIM 398  **Criminological Research Methods**  S  3 CR
Basic criminological research methods are examined to assist the student in understanding both the qualitative and quantitative paradigms. The development and organization of a research proposal is an integral part of this course. A review of ethical considerations in research design is also discussed. *Prerequisites: CRIM 101 and CRIM 102.*
CRIM 440  Drugs, Crime, and Criminal Justice  ALT S  3 CR
This course looks at the socially constructed nature of drugs and drug policy, focusing on the variety of ways drugs and crime are connected and the socio-historical context of contemporary U.S. drug policy. Prerequisites: CRIM 101 and CRIM 102.

CRIM 470  Criminological Theory  F  3 CR
Major criminological theories are examined and critiqued. Emphasis is placed on connecting theory to practice by focusing on the empirical validity as well as the practical and policy implications of the major theoretical perspectives. New and emerging criminological theories will also be examined. Prerequisite: CRIM 102.

CRIM 476  Seminar in Contemporary Issues in Criminology  AN  3 CR
Current issues in criminology will be explored. Possible topics include, but are not limited to, environmental crime, terrorism, organized crime, economic and corporate crime, victimology, ethical and legal issues, and alternative approaches for dealing with criminological issues. With permission of the instructor, students may repeat this course once. Prerequisites: CRIM 101 and CRIM 102.

CRIM 477  Seminar in Contemporary Issues in Criminal Justice  AN  3 CR
Current issues in criminal justice will be explored. Possible topics include, but are not limited to, treatment interventions in correctional facilities, special populations in criminal justice, comparative criminal justice, policy and planning in criminal justice, and technological advances in criminal justice. With permission of the instructor, students may repeat this course once. Prerequisites: CRIM 101 and CRIM 102.

CRIM 477  Seminar: Criminal Justice in the Community  AN  3 CR
The history of criminal justice in America and its effect on communities. Topics include community oriented policing, citizen involvement in the judicial process, and the evolution of community based corrections. Offered only at specific BVU Professional & Online Studies locations.

CRIM 477  Seminar: Probation & Parole  AN  3 CR
Procedures, practices and personnel which constitute probation, parole and other community-based sanctions, presented in the historical, philosophical, theoretical and legal contexts. Offered only at specific BVU Professional & Online Studies locations.

CRIM 495  Internship  Variable CR
The criminology and criminal justice internship provides students with an opportunity to apply theoretical concepts learned in the classroom to real world practice through supervised experience in criminal justice or a related field. P/NC grading. Repeatable for credit. Prerequisite: Permission of instructor.

CRIM 498  Capstone in Criminology and Criminal Justice  AN  3 CR
A capstone supervised experience independently or in small groups for advanced criminology and criminal justice students. Prerequisite: Permission of instructor.

ECONOMICS (ECON)
ECON 110  Introduction to International Political Economy  AN  3 CR
An exploration of the politics, economics, culture, and history of a particular world region as determined by the instructor. A variety of countries will be examined in these facets, allowing for comparisons of their pasts and prospects for their futures both economically and politically. Repeatable for credit if different topic. Gen. Ed. Explorations – Social Science.
ECON 205 Principles of Microeconomics  

ECON 206 Principles of Macroeconomics  

ECON 301 Microeconomic Theory  
A study of intermediate theory of consumer demand, production and cost; analysis of various market structures and income distribution. *Prerequisites: ECON 205 and ECON 206.*

ECON 302 Macroeconomic Theory  
A study of intermediate theory concerning national income determination models, measurement of Gross National Product, and fiscal policy decisions based on this aggregate theory. *Prerequisites: ECON 205 and ECON 206.*

ECON 306 Managerial Economics  
An advanced course in applied economics. Students explore the economics of management, incentives, advertising, promotion, and organization applied to businesses. The vertical and horizontal boundaries of firms, profit maximizing and cost minimizing decisions, cost relationships and behaviors in firms, economies of scale, economies of scope, and quantitative demand analysis are studied. Managerial responses to government in the marketplace are evaluated. *Prerequisites: ECON 206 and MGMT 206.*

ECON 340 Econometrics  
Review and application of univariate and multiple variable linear regression; ANOVA procedure in research/control/treatment settings; estimation and prediction of cost, revenue, profit and utility functions from relevant data; exploration of data patterns, correlation and covariance examinations; analysis of cross-classification and contingency tables (proportion testing using the $\chi^2$ distribution); and analysis of qualitative, rank, and likert-scale data using non-parametric methods. *Prerequisites: MATH 140, ECON 205 and ECON 206.*

ECON 405 International Economics  
A view of international economic activity including trade theory and policy, exchange rates, and economic growth. *Prerequisites: ECON 205, and ECON 206.*

ECON 420 Money and Credit Institutions  
Same as FNBK 420. *Prerequisites: ECON 205 and ECON 206 and either FNBK 301 or 306.*

ECON 485 Topics in Economics  
Upper level courses with foci and content fitting students and faculty preferences. Prospective offerings include, but are not limited to: economics and law; agricultural finance and policy; public finance and public choice; history of economic thought; general equilibrium and welfare economics; economies of scale, scope, and market regulation; economics of sports. Repeatable for up to 6 credit hours. *Prerequisites: ECON 205 and ECON 206.*

ECON 495 Economics Internship  
The business internship is an intensive work experience which is related to the student’s academic major. Students will be placed in selected businesses which are willing to help
EDUCATION CORE (EDCO)

EDCO 250  Educational Psychology/Human Development  F, S  3 CR
A study of classroom behavior with emphasis on motivation and promotion of learning. Introduces development of children, the nature and theories of learning, instructional strategies based on students’ learning needs, motivational processes in the classroom and assessment of student learning. Prerequisite: PSYC 100.

EDCO 260  Directed Observation  F, S  1 CR
An initial field experience in a classroom setting for a minimum of 15 hours per semester. Taken in conjunction with EDCO 250 where students relate clinical experiences to the concepts of the course. The directed observation allows participant observers to make connections between theoretical concepts and actual classroom practices, focusing on child development theories and foundations. P/NC grading.

EDCO 261  Directed Observation  0 CR
Students who have completed a minimum of 15 credit hours of verified observation/interaction in an appropriate classroom setting and who have not received credit for this experience as part of other coursework can apply to have this course added to their transcript for no credit. Students must demonstrate an understanding of classroom interaction and must provide sufficient documentation and other evidence to verify a satisfactory initial classroom experience. Qualified students must apply for and submit appropriate documentation to the director of field experiences (or appropriate Center personnel for consideration). P/NC grading. Note: The portfolio item for EDCO 260 must be completed.

EDCO 279  Structure and Philosophy of American Education  F, S  2 CR
A comprehensive overview of the foundations of education in the United States. This course is an interdisciplinary attempt (incorporating the historical, political, economic, legal, social, philosophical and curricular foundations) to provide pre-service teachers with an understanding of the teaching profession, its historical development and the issues and controversies confronting American education today. The topics covered in this course provide beginning educators with a broad picture of education and schooling in the U.S. and give them the basis to make informed decisions in a complicated educational environment. Also discussed will be legal responsibilities of the teaching profession.

EDCO 280  Structure and Philosophy of American Education  3 CR
A comprehensive overview of the foundations of education in the United States. This course is an interdisciplinary attempt (incorporating the historical, political, economic, legal, social, philosophical and curricular foundations) to provide pre-service teachers with an understanding of the teaching profession, its historical development, and the issues and controversies confronting American education today. The topics covered in this course provide beginning educators with a broad picture of education and schooling in the U.S., and give them the basis to make informed decisions in a complicated educational environment. Also discussed will be legal responsibilities of the teaching profession. Offered only at specific BVU Professional & Online Studies locations.

EDCO 281  Legal Issues and Professional Ethics  1 CR
Legal responsibilities of the teaching profession are explored. This course is offered only to those students who transfer in coursework equivalent to EDCO 279 Structure and Philosophy of American Education without the legal component being addressed.
EDCO 290 Supervised Participation  
F, I, S  
2 CR
A clinical experience in an appropriate classroom setting for a minimum of 80 hours. Supervised Participation provides students with an opportunity to demonstrate practical applications of education theory in actual classroom settings. Students will focus on implementation and use of a variety of instructional strategies, individual and group motivation, and working with diverse learners. This field experience also provides students with opportunities to observe and to begin developing skills in reflective teaching. P/NC grading. Prerequisite: Admittance to the Teacher Education Program.

EDCO 291 Supervised Participation  
1 CR
A 40-hour clinical experience in an appropriate classroom setting. Students perform duties typically assigned to a teacher aide. Course limited to those students who have completed sufficient previous experiences and can provide documentation and other evidence that would verify those experiences to have included a minimum of 60 hours in an appropriate classroom in an aiding capacity. Qualified students must apply for and submit appropriate documentation to the director of field experiences (or appropriate personnel) for consideration. P/NC grading.

EDCO 292 Supervised Participation  
0 CR
Students who have completed a minimum of 80 hours of verified experience in an appropriate classroom setting and who have not received credit for this experience as part of other coursework can apply to have this course added to their transcripts for no credit. Students must demonstrate an understanding of the classroom environment and must provide sufficient documentation and other evidence to verify a satisfactory classroom experience at the pre-student teaching level. Qualified students must apply for and submit appropriate documentation to the director of field experiences (or appropriate personnel) for consideration. P/NC grading.

EDCO 300 Exceptional Learner  
3 CR
Law requires special students to be integrated into regular classes whenever possible. This course provides a foundation for teachers, particularly those planning to teach in regular classrooms, to serve the emotional, academic and social needs of exceptional students. The course includes an overview of the special education process, its historical development, and basic strategies for creating inclusive classrooms. Offered only at specific BVU Professional & Online Studies locations.

EDCO 301 Exceptional Learner  
2 CR
F, S
Law requires special students to be integrated into regular classes whenever possible. This course provides a foundation for teachers, particularly those planning to teach in regular classrooms, to serve the emotional, academic and social needs of exceptional students. The course includes an overview of the special education process, its historical development and basic strategies for creating inclusive classrooms.

EDCO 369 Human Relations  
F, S  
2 CR
A study of the issues related to cultural pluralism, individual and group learning, exceptionality, second language acquisition, and human motivation in education. Satisfies State of Iowa requirements in human relations.

EDCO 370 Human Relations  
3 CR
A study of the issues related to cultural pluralism, individual and group learning, exceptionality, second language acquisition, and human motivation in education. Satisfies State of Iowa requirements in human relations. Offered only at specific BVU Professional & Online Studies locations.
**EDCO 390**  
**Instructional Technology**  
3 CR  
An introductory course in the selection, production and effective use of instructional media in educational programs. Emphasis is on in-school production of materials to meet local needs. *Offered only at specific BVU Professional & Online Studies locations.*

**EDCO 401**  
**Classroom Management and Evaluation Techniques**  
F, S  
3 CR  
A study of the comprehensive research-based framework on cognition and learning in relation to classroom applications and management. The practical framework will provide K-12 educators with a basis to improve the quality of teaching and learning in any content area. The premise of this course will be to explore how educators organize curriculum and instruction in order to optimize effective management issues. In addition, this course will examine a full array of assessment procedures (observation strategies, formal and informal assessment strategies) as well as current trends and issues of assessment and evaluation of student performance.

**EDUCATION (EDUC)**

**EDUC 305**  
**Preschool and Kindergarten Curriculum Development and Organization**  
3 CR  
This course explores current trends in curriculum for preschool children. Issues influencing the planning, development and implementation of early childhood curricula are examined. Preparation to plan, organize, and operate public and non-public/private programs for young children, including working with families and other social agencies, obtaining and administering funds, staffing, providing for health and safety, and curriculum decisions is included. *Offered only at specific BVU Professional & Online Studies locations.*

**EDUC 317**  
**Foundations of Reading/Language Arts**  
F  
3 CR  
A study of the six language arts: listening, speaking, reading, writing, viewing, and visually representing; authentic assessment; teaching strategies that connect curriculum goals and students’ experiences; key considerations in learning and teaching reading/language arts (the role of theories and research, the impact of language and culture, the goal of communicative competence, the language-rich classroom, motivational strategies, classroom organization, individual differences); effective methods/programs including, but not limited to, reading recovery, guided reading, the whole language approach, and Title I. The range of research encompasses research traditions from the fields of social sciences and other paradigms appropriate for informing practice.

**EDUC 318**  
**Reading Instruction with Multicultural Literature**  
S  
3 CR  
This course will provide a multicultural literacy program which will include specific cultural background information. It will enable future teachers to develop understanding, knowledge, skills, and attitudes critical for interacting with elementary children from diverse cultures and backgrounds. Elementary reading strategies and lessons will be designed using multicultural literature.

**EDUC 330**  
**Guidance and Instructional Methods in Preschool and Kindergarten Education**  
3 CR  
This course will discuss the role of the teacher in guiding young children in their learning activities. Planning and implementing early childhood programs will be emphasized. Basic assumptions underlying curriculum for young children to prepare students to improve teaching practices are reviewed and direction provided for evaluation and effective decision making on future programs and materials. *Offered only at specific BVU Professional & Online Studies locations.*
EDUC 332  *Children’s Fiction and Nonfiction*  
**S**  
3 CR  
A study of folk and modern literature suited to elementary and middle school students. It includes the use of literature to enhance learning and to promote literacy; the development of an appreciation for childhood literature and for the connections to students’ everyday lives; technology and media based information; and nonprint materials.

EDUC 335  *Oral Communication for Reading Teachers*  
**Online**  
2 CR  
Oral communication is the building and the sharing of meaning through the use of spoken and unspoken symbols in a variety of communication contexts. This course presents a study of the language differences among diverse learners with an emphasis on developing strategies for facilitating the learning of standard English by all learners. This course is cross-listed as SEDU 335.

EDUC 342  *Written Communication for Elementary Education Reading Teachers*  
**Online**  
2 CR  
This course reflects an examination of the unique needs in written communication for students of diverse languages and backgrounds with an emphasis on developing strategies for facilitating the learning of standard English by all learners.

EDUC 360  *Elementary Health and Physical Education*  
**F, S**  
3 CR  
A study of the theory and practice of health and wellness, games and sports, and rhythms and self-testing activities for kindergarten through sixth grade.

EDUC 365  *Reading in the Content Areas*  
**S**  
3 CR  
Adapting and applying reading techniques to the content areas at the K-12 level. The application activities of EDUC 365 will focus on reading techniques and content appropriate to the K-8 level. This course is cross-listed as SEDU 365.

EDUC 371  *Analysis and Correction of Reading Difficulties*  
**S**  
3 CR  
An introduction to the diagnosis and remediation of reading difficulties. Commonly used authentic assessment tools and standardized tests in reading will be examined. Teaching techniques/strategies will focus on the identification of problem areas in reading, the development of appropriate remedial programs, and the communication of the results of ongoing assessment to all stakeholders. *Prerequisite: EDUC 317 or SEDU 365.*

EDUC 380  *Language Development for Reading Teachers*  
**Online**  
3 CR  
This course includes an examination of the development of communication and language styles and processes across the lifespan. Students will explore a variety of theoretical beliefs of language development, as well as language’s basic building blocks. Students will learn to recognize the existence of language development and usage problems, to improve their ability to provide appropriate strategies to enhance development, and to enhance their ability to differentiate between language differences and disorders for the language referral process. Course participants will explore variations related to cultural and linguistic development in order to provide effective instruction in reading and writing. This course is cross-listed as SEDU 380.

EDUC 392  *Elementary Math and Science*  
**F**  
3 CR  
A study of instructional strategies that promotes students’ development of critical thinking, problem solving and performance skills in mathematics and science; characteristics and benefits of authentic assessment; teaching practices that promote understanding of concepts, principles, and themes of science as well as the processes of science; the role of investigation and collaboration; a constructivist approach to teaching and learning; teaching strategies that encourage students to think mathematically.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 393</td>
<td>Elementary Math</td>
<td>3 CR</td>
<td>A study of instructional strategies that promotes students’ development of critical thinking, problem solving, and performance skills in mathematics; a constructivist approach to teaching and learning; teaching strategies that encourage students to think mathematically. <em>Offered only at specific BVU Professional &amp; Online Studies locations.</em></td>
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<tr>
<td>EDUC 394</td>
<td>Elementary Science</td>
<td>3 CR</td>
<td>A study of instructional strategies that promotes students’ development of critical thinking, problem solving, and performance skills in science; characteristics and benefits of authentic assessment; teaching practices that promote understanding of concepts, principles, and themes of science as well as the processes of science; the role of investigation and collaboration; a constructivist approach to teaching and learning. <em>Offered only at specific BVU Professional &amp; Online Studies locations.</em></td>
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<tr>
<td>EDUC 400</td>
<td>Home, School, and Community Relations</td>
<td>3 CR</td>
<td>Procedures for developing home-community-school relationships to promote the education of each child in reaching his or her maximum potential. Emphasis on preschool-kindergarten level. <em>Offered only at specific BVU Professional &amp; Online Studies locations.</em></td>
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<tr>
<td>EDUC 403</td>
<td>Elementary Music Methods</td>
<td>ALT F</td>
<td>3 CR</td>
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<td>EDUC 405</td>
<td>Field Experience/Methods</td>
<td>F, S</td>
<td>0 CR</td>
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<tr>
<td>EDUC 410</td>
<td>Elementary Curriculum/Social Studies</td>
<td>F</td>
<td>3 CR</td>
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<td>EDUC 425</td>
<td>Adolescent Growth &amp; Development</td>
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<td>3 CR</td>
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<td>EDUC 426</td>
<td>Methods &amp; Materials for Teaching Middle School</td>
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<td>EDUC 428</td>
<td>Student Teaching in Preschool</td>
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<td>3 CR</td>
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EDUC 429  Kindergarten Student Teaching (K)  F, S  6 CR
A supervised field experience which includes observation, participation in class activities, and student teaching at the kindergarten level. (No courses will be taken concurrently with student teaching).

EDUC 430  Elementary Student Teaching (1-3)  F, S  6 CR
A supervised field experience which includes observation, participation in class activities, and student teaching at the primary level. (No courses will be taken concurrently with student teaching).

EDUC 440  Elementary Student Teaching (4-6)  F, S  6 CR
A supervised field experience which includes observation, participation in class activities, and student teaching at the intermediate level. Note: All elementary education majors are required to complete 12 credit hours of student teaching (429 or 430 and 440), with the exception of those completing the special education (K-6) endorsement or persons completing a secondary education certification program. In such cases, students will complete, for example, 6 hours of student teaching in regular elementary and 6 hours of student teaching in special education (K-6), or 6 hours of elementary student teaching and 6 hours of secondary student teaching. (No courses will be taken concurrently with student teaching.)

EDUC 442  Reading Instructional Strategies  F  3 CR
This course, designed to be taken concurrently with the practicum course, expands the range of research-based strategies and instructional technology that will allow the student to design and deliver effective instruction across the curriculum. The student will also evaluate and select materials appropriate for learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. Materials developed in this course will be implemented and evaluated in practicum course. This course is cross-listed with SEDU 454.

EDUC 443  Reading Practicum  F  2 CR
The student will participate in supervised observation and practice in teaching reading strategies and developing reading materials for students with reading difficulties. Forty hours are required in this placement with twenty hours to be spend working with one or more students and twenty hours in working with colleagues and with parents in support of reading and writing development. A diagnostic individual case study and the development of reading activities, lesson plans and assessments will be the major assignments for this reading practicum. The student will be placed in a specific reading or regular classroom setting. Prerequisites: EDUC 371 and a grade of “C” or better in both EDUC 317 and EDUC 371. This course is cross-listed with SEDU 455.

EDUC 451  K-8 Art Methods  ALT F  3 CR
The theory of contemporary art education, teaching methods, and training in the use of media suitable for work with elementary children. This course is designed for art majors/minors.

EDUC 460  Elementary Student Teaching  F, S  6-12 CR
(K-8, Art, Music, Exercise Science)
A supervised field experience which includes observation, participation in class activities, and student teaching in K-6 art, music or exercise science.

SECONDARY EDUCATION (SEDU)
SEDU 333  Young Adult Fiction and Nonfiction  S  3 CR
A survey of books for middle school and high school students with special attention to their reading interests, developmental needs and abilities. Includes adult titles for adolescents and materials for gifted and reluctant readers.
SEDU 335  Oral Communication for Reading Teachers  Online  2 CR
Oral communication is the building and the sharing of meaning through the use of spoken and unspoken symbols in a variety of communication contexts. This course presents a study of the language differences among diverse learners with an emphasis on developing strategies for facilitating the learning of standard English by all learners. This course is cross-listed as EDUC 335.

SEDU 342  Written Communication for Secondary Reading Teachers  Online  2 CR
This course reflects an examinations of the connections between reading, writing, and speaking for the teaching of the skills and processes necessary for writing in various forms including narrative, expressive, persuasive, informational, and descriptive prose with an emphasis on text structures and mechanics such as grammar, usage, and spelling.

SEDU 365  Reading in the Content Areas  S  3 CR
Adapting and applying reading techniques to the content areas at the K-12 level. The application activities of SEDU 365 will focus on reading techniques and context appropriate to the 5-12 level. This course is cross-listed as EDUC 365.

SEDU 380  Language Development for Reading Teachers  Online  3 CR
This course includes an examination of the development of communication and language styles and processes across the lifespan. Students will explore a variety of theoretical beliefs of language development, as well as language’s basic building blocks. Students will learn to recognize the existence of language development and usage problems, to improve their ability to provide appropriate strategies to enhance development, and to enhance their ability to differentiate between language differences and disorders for the language referral process. Course participants will explore variations related to cultural and linguistic development in order to provide effective instruction in reading and writing. This course is cross-listed as EDUC 380.

SEDU 400  Reading Strategies for Secondary Teachers  1 CR
This course explores and develops skills which will assist in adapting and applying a variety of reading techniques to the problems associated with reading in the content areas at the secondary school level. Reading Strategies for Secondary Teachers is required for students seeking a major in secondary education and having a content major in a certifiable teaching area other than English/Language Arts. It may not be used as a substitute for SEDU 365 in the secondary content area major of English/Language arts nor in the reading endorsement program. This web-based course is designed for independent work through an interaction between the student and the instructor on an individual basis. This course is to be taken prior to or concurrent with the methods course. (Not required for secondary language arts major or other individuals who have completed SEDU 365).

SEDU 401  Methods of Teaching Secondary Art  ALT F  3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary art classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, and opportunities to practice instructional skills through such approaches as micro teaching.
SEDU 402  Methods of Teaching Secondary Business  ALT F  3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary business classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, and opportunities to practice instructional skills through such approaches as micro teaching.

SEDU 404  Post Baccalaureate Certification Secondary Field Experience/Methods  0 CR
This 10-hour clinical experience promotes the integration of methods and field experiences. It will be taken in conjunction with the secondary methods course.

SEDU 405  Field Experience/Methods  F, S  0 CR
This 10-hour clinical experience promotes the integration of methods and field experiences. It will be taken in conjunction with secondary methods courses. P/NC grading.

SEDU 411  Methods of Teaching Secondary English/Language Arts  ALT F  3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary English/language arts classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, use of reading strategies to improve learning, and opportunities to practice instructional skills through such approaches as micro teaching.

SEDU 412  Methods of Teaching Secondary Foreign Language  ALT F  3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary foreign language classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area and opportunities to practice instructional skills through such approaches as micro teaching.

SEDU 421  Methods of Teaching Secondary Mathematics  ALT F  3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary mathematics classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, and opportunities to practice instructional skills through such approaches as micro teaching.
SEDU 431 Methods of Teaching Secondary
Health/Physical Education ALT F 3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary health/physical education classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, and opportunities to practice instructional skills through such approaches as micro teaching. This course will also address the administration of physical education within the school.

SEDU 432 Methods of Teaching Secondary Science ALT F 3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary science classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, and opportunities to practice instructional skills through such approaches as micro teaching.

SEDU 441 Methods of Teaching
Secondary Social Science ALT F 3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary social science classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, and opportunities to practice instructional skills through such approaches as micro teaching.

SEDU 442 Methods of Teaching
Secondary Music - Vocal ALT F 3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary vocal music classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area, and opportunities to practice instructional skills through such approaches as micro teaching.

SEDU 443 Methods of Teaching
Secondary Music - Instrumental ALT F 3 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary instrumental music classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the
subject area, and opportunities to practice instructional skills through such approaches as micro teaching.

SEDU 448 Post Baccalaureate Certification General Secondary Methods  2 CR
The intent of this course is to help students translate educational theory into best practices in order to teach effectively in a secondary classroom. Particular attention will be given to the following topics: awareness of and development of a broad range of learning resources and instructional strategies that are appropriate to diverse classrooms, use of assessment strategies and technology as a means to enhance student learning, awareness of the standards and resources of the professional organization, consideration of curricular and ethical issues relative to teaching the subject area and opportunities to practice instructional skills through both micro teaching and field-based classrooms. This course includes a ten-hour field component to promote the integration of methods and field experiences and to link theory to practice. Students enrolled in this course must also complete a one-hour methods course specific to their discipline. The requirement for secondary methods is not met until both methods components are complete.

SEDU 451 Post Baccalaureate Certification Secondary Methods in Art  1 CR
This course will address the standards and resources of the professional organization(s) that represent the teaching of art at the secondary level, consideration of curricular and ethical issues specific to art, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary art classroom.

SEDU 452 Post Baccalaureate Certification Secondary Methods in Business  1 CR
This course will address the standards and resources of the professional organization(s) that represent the teaching of business at the secondary level, consideration of curricular and ethical issues specific to business, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary business classroom.

SEDU 454 Reading Instructional Strategies  F  3 CR
This course, designed to be taken concurrently with the practicum course, expands the range of research-based strategies and instructional technology that will allow the student to design and deliver effective instruction across the curriculum. The student will also evaluate and select materials appropriate for learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. Materials developed in this course will be implemented and evaluated in the practicum course. This course is cross-listed with EDUC 442.

SEDU 455 Reading Practicum  F  2 CR
The student will participate in supervised observation and practice in teaching reading strategies and developing reading materials for students with reading difficulties. Forty hours are required in this placement with twenty hours to be spent working with colleagues and with parents in support of reading and writing development. A diagnostic individual case study and the development of reading activities, lesson plans and assessment will be the major assignments for this reading practicum. The student will be placed in a specific reading or regular classroom setting. Prerequisites: EDUC 371 and a grade of “C” or better in both EDUC 317 and EDUC 371. This course is cross-listed with EDUC 443.
SEDU 461  Post Baccalaureate Certification Secondary Methods in English/Language Arts  1 CR
This course will address the standards and resources of the National Council of Teachers of English and the International Reading Association that represent the teaching of English/Language Arts at the secondary level, consideration of curricular and ethical issues specific to English/Language Arts, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary English/Language Arts classroom.

SEDU 462  Post Baccalaureate Certification Secondary Methods in Foreign Language  1 CR
This course will address the standards and resources of the professional organization(s) that represent the teaching of foreign language at the secondary level, consideration of curricular and ethical issues specific to foreign language, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary foreign language classroom.

SEDU 471  Post Baccalaureate Certification Secondary Methods in Mathematics  1 CR
This course will address the standards and resources of the professional organization(s) that represent the teaching of mathematics at the secondary level, consideration of curricular and ethical issues specific to mathematics, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary mathematics classroom.

SEDU 481  Post Baccalaureate Certification Secondary Methods in Health/Physical Education  1 CR
This course will address the standards and resources of the professional organization(s) that represent the teaching of health/physical education at the secondary level, consideration of curricular and ethical issues specific to health/physical education, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary health/physical education classroom.

SEDU 482  Post Baccalaureate Certification Secondary Methods in Science  1 CR
This course will address the standards and resources of the professional organization(s) that represent the teaching of science at the secondary level, consideration of curricular and ethical issues specific to science, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary science classroom.

SEDU 490  Secondary Student Teaching  F, S  5-12 CR
A supervised field experience which includes observation, participation in class activities, and student teaching at the secondary level. (No courses will be taken concurrently with student teaching.)
SEDU 491  Post Baccalaureate Certification Secondary  
Methods in Social Science  
This course will address the standards and resources of the professional organization(s) that represent the teaching of social science at the secondary level, consideration of curricular and ethical issues specific to social science, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary social science classroom.

SEDU 492  Post Baccalaureate Certification Secondary  
Methods in Music - Vocal  
This course will address the standards and resources of the professional organization(s) that represent the teaching of vocal music at the secondary level, consideration of curricular and ethical issues specific to vocal music, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary vocal music classroom.

SEDU 493  Post Baccalaureate Certification Secondary  
Methods in Music - Instrumental  
This course will address the standards and resources of the professional organization(s) that represent the teaching of instrumental music at the secondary level, consideration of curricular and ethical issues specific to instrumental music, exposure to the classroom resources and instructional strategies available in the field, and a review of the assessment approaches specific to the discipline. Students will be required to demonstrate learned knowledge through the development of course materials that could be used in the secondary instrumental music classroom.

SEDU 498  Post Baccalaureate Certification Secondary  
Student Teaching (12 weeks)  
F, S  
A supervised field experience which includes observation, participation in class activities, and student teaching at the secondary level. (No courses will be taken concurrently with student teaching.)

SPECIAL EDUCATION (SPED)
SPED 205  Characteristics of Students with Mild/Moderate Disabilities  
F  
An introduction to the field of special education with an emphasis on understanding the impact mild/moderate handicaps may have on an individual. Group discussions, guided exercises, and simulations are employed. Understanding the psychological, physical, and social aspects of individuals with exceptionalities in a family, community, and society is emphasized.

SPED 285  Career Development and Transition  
ALT F  
This course deals with the role of career education for students with disabilities and the development and implementation of career education curricula. Emphasis is given to strategies and planning for transition, particularly to post-secondary settings.

SPED 321  Diagnosis and Assessment  
S  
This course is an extensive survey of the most common educational assessment procedures and devices for identifying special problems in cognitive and behavioral development. Students will be expected to demonstrate knowledge of screening and assessment procedures, as well as competencies in the proper selection and use of formal, informal, and alternative assessment strategies.
SPED 352 Professional Practices in Special Education  S  3 CR  
This course deals with communication and cooperation among educators, parents, community agencies, and others in the development of individualized educational programs for students with disabilities. Legal and ethical issues are also addressed.

SPED 391 Supervised Participation in Special Education  1 CR  
This field experience includes 40 credit hours in an appropriate special education classroom setting. The student would perform duties typically assigned to a teacher aide. The course is limited to students who have completed sufficient previous experiences and can provide documentation verifying those experiences to have included a minimum of 60 credit hours working in an appropriate special education classroom in an aiding capacity. Qualified students must apply for and submit appropriate documentation to the education coordinator or appropriate personnel for consideration. P/NC grading.

SPED 392 Supervised Participation in Special Education  0 CR  
This field experience is intended for students who have completed a minimum of 80 credit hours of verified experience in an appropriate classroom setting and who have not received credit for this experience as part of other course work. The student can apply to have this course added to their transcript for no credit. Students must demonstrate an understanding of the classroom environment and must provide sufficient documentation and other evidence to verify a satisfactory classroom experience at the pre-student teaching level. Qualified students must apply for and submit appropriate documentation to the education coordinator or appropriate personnel for consideration. P/NC grading.

SPED 396 Supervised Participation in Special Education  F, I, S  2 CR  
This field experience involves a minimum of 80 hours working with a teacher of exceptional children in an education setting. Students have the opportunity to participate in a wide variety of educationally related experiences with children who represent differing categories of disabilities. P/NC grading. Students must also complete EDCO 290.

SPED 401 Methods and Teaching Strategies for Students with Mild/Moderate Disabilities  S  2 CR  
This course examines generic educational procedures for and the development of curricula and materials for students with mild/moderate disabilities. It includes discussion of current best teaching practices and behavior management strategies. Prerequisite: SPED 205.

SPED 402 Teaching in a K-8 Special Education Program  S  1 CR  
This course focuses specifically on teaching strategies utilized with K-6 learners with mild/moderate disabilities. Specific emphasis is given to educational program development as articulated in IEPs and lesson modifications to support learners with mild/moderate disabilities in regular classrooms.

SPED 403 Teaching in a 5-12 Special Education Program  S  1 CR  
This course focuses specifically on teaching strategies utilized with 7-12 learners with mild/moderate disabilities. The course focuses on compensatory educational strategies and educational program development to meet the needs of the secondary learner with mild/moderate disabilities as well as strategies to assist exceptional students within the regular classroom.

SPED 405 Field Experience/Methods (K-8)  F, S  0 CR  
This 10-hour clinical experience promotes the integration of methods and field experiences. It will be taken in conjunction with SPED 402. P/NC grading.
SPED 406  Field Experience/Methods (5-12)  F, S  0 CR
This 10-hour clinical experience promotes the integration of methods and field experiences. It will be taken in conjunction with SPED 403. P/NC grading.

SPED 447  Student Teaching – Special Education – Mild/Moderate (K-8)  F, S  6 CR
A 7-week minimum student teaching experience in an approved classroom/program serving students with mild/moderate disabilities.

SPED 448  Student Teaching – Special Education – Mild/Moderate (5-12)  F, S  6 CR
A 7-week minimum student teaching experience in an approved classroom/program serving students with mild/moderate disabilities.

ENGLISH (ENGL)

ENGL 050  Basic Written Communication  F  3 CR
English 50 presents writing as a process and focuses on the mechanics of written expression, combining sentences, and paragraph building. May not be taken P/NC option. Must earn a grade of “C” or better.

ENGL 100  Written Communication I  F, S  3 CR
English 100 emphasizes writing as a process of learning and focuses on student skills in the preparation, organization, and development of articulate short essays. Appropriate documentation within essays will be included. May not be taken P/NC option. Must earn a grade of “C” or better. Gen. Ed. Foundations.

ENGL 200  Written Communication II  F, S  3 CR
English 200 is a continuation of English 100 emphasizing appropriate documentation of opinion in persuasive essays designed to satisfy the needs of a variety of writing situations. May not be taken P/NC option. Must earn a grade of “C” or better. Gen. Ed. Foundations.

ENGL 215  Measuring Jack’s Beanstalk: Fairy Tales and Critical Thinking  ALT S  3 CR
The fairy tale has been examined by psychiatrists and psychologists, by educators, historians, sociologists, feminists, and cultural critics. One concern shared by nearly all of these folks is how the fairy tale might function as propaganda—as a tool to train the attitudes of even the youngest children. What values, morals, ideologies and prejudices are “hidden” in the innocent-seeming fairy tale? We will look at a variety of fairy tales and find out what the critics have had to say. No prerequisites; students from all disciplines welcome.

ENGL 220  Introduction to Literature: Early Literary Classics  F, S  3 CR
An introduction to literary study, focusing on major classics from Western Literature (exclusive of British and American) from its beginnings to 1850. Gen. Ed. Explorations – Humanities.

ENGL 250  American Literature  F, S  3 CR
A one-semester survey of American literature, from its colonial roots to the present, emphasizing literary movements, historical context, and cultural diversity. Gen. Ed. Explorations – Humanities. Prerequisite: ENGL 220 or permission of the instructor.
ENGL 261  British Literature, Beginnings to 1750  F  3 CR  
A study of the literature of Anglo-Saxon Britain from 450 to 1750, emphasizing the types and techniques of literature and the historical backgrounds of the periods. Gen. Ed. Explorations – Humanities. Prerequisite: ENGL 220 or permission of the instructor.

ENGL 262  British Literature, 1750 to Present  S  3 CR  
A continuation of ENGL 261. The Romantic era (Blake, Wordsworth, etc.) to the present. Gen. Ed. Explorations – Humanities. Prerequisite: ENGL 220 or permission of the instructor.

ENGL 300  Advanced Composition  F, S  3 CR  
A course devoted primarily to expository writing in academic, professional, and reflective genres. The course is designed to advance students’ independent, collaborative, and service writing and is intended for all students looking forward to professional careers.

ENGL 320  Creative Writing  F, S  3 CR  
An introduction to the theory and practice of creative writing, with an emphasis on short fiction and poetry. Students will produce a portfolio of original work.

ENGL 331  Introduction to Linguistics  S  3 CR  
A structural linguistics approach to the study of human language and its origins, development, varieties, and function in society. Emphasis is placed on the history, phonetics, phonology, syntax, and morphology of Indo-European languages, including standard English and its dialects. Secondary emphases are placed on sociolinguistics (language change) and psycholinguistics (language and behavior). The course is designed to help students understand the organizational structures and uses of language.

ENGL 332  Modern English Grammar  ALT F  3 CR  
A pedagogical approach to grammar, emphasizing analysis of, and critical thinking about, the forms and functions of language structures. Both constitutive rules (describing how grammar operates) and regulative rules (prescribing standard American usage) will be studied. The course integrates orientations from both structural linguistics and transformational grammar. Reed-Kellogg diagrams and phrase structure trees will be employed as means of visualizing analysis. The goal of the course is to enable students to articulate what they already know about the English language, to add to that knowledge, and to be able to teach others. Prerequisite: ENGL 331 or permission of instructor.

ENGL 340  Introduction to Literary Theory  S  3 CR  
An introduction to the major approaches in contemporary literary theory, including feminist, Marxist, psychoanalytic, post-structuralist, and post-colonial. Prerequisite: ENGL 220.

ENGL 350  Shakespeare  S  3 CR  
The study of selected plays by Shakespeare, combined with examples of the most important critical and interpretive thought; attention to the Bard’s life, era and theatre; designed to benefit future teachers of English, as well as students merely wishing to gain an appreciative knowledge of Shakespeare’s poetic and dramatic art. Same as CPER 351. Gen. Ed. Explorations – Humanities.

ENGL 370  Literary Movement  AN  3 CR  
An intensive study of literature from a single period in literary history, such as the Middle Ages, Renaissance, British or American Romantic Period, Victorian Age, or Postmodernist Era, focusing upon common characteristics of the literature produced during a specific period or “movement.” Subject will be announced each time the
course is given. May be repeated for a total of six credit hours. **Prerequisite:** ENGL 220 or permission of instructor.

**ENGL 376 Modern Continental Literature**  
**S**  
3 CR  
A study of Continental literature from the mid-19th through the 20th century. The course focuses on analysis of the forces and thought that influenced the works and the similarities and differences from country to country and historical period to period. Emphasis is placed on narrative structures and form. **Prerequisite:** ENGL 220 or permission of instructor.

**ENGL 395 Plays By and About Women**  
**ALT S**  
3 CR  
Same as CPER 395. **Gen. Ed. Explorations – Humanities.** **Prerequisite:** ENGL 220 or permission of instructor.

**ENGL 411 Dramatic Literature**  
**ALT F**  
3 CR  
A study of significant plays representing various periods and styles in the development of drama, from the Golden Age of Greece to the modern era. Production histories, as well as literary values of plays, are examined. Same as CPER 411. **Gen. Ed. Explorations – Humanities.**

**ENGL 425 Literary Genre**  
**AN**  
3 CR  
An intensive study of a single genre by British and/or American authors: poetry, the novel, the short story, or drama. Specific attention will be given to similarities and dissimilarities in technique, style and form, as well as to content. Repeatable for credit if different topic up to 6 credit hours. **Prerequisites:** ENGL 220 and either ENGL 250, 261 or 262.

**ENGL 430 Major Figures**  
**AN**  
3 CR  
An intensive study of the work produced by one, two, or several British or American writers, e. g. Chaucer and Milton, Hawthorne and Melville, Hemingway, Faulkner, or Eliot. Specific writers will be announced each time the course is offered. Repeatable for credit if different topic for up to 6 credit hours. **Prerequisites:** ENGL 220 and either ENGL 250, 261, or 262.

**ENGL 440 Advanced Creative Writing**  
**AN**  
3 CR  
An intensive study of creative writing in a particular genre or genres (i.e., fiction, poetry, dramatic writing, creative non-fiction), with genres offered according to the discretion of the instructor, in which students can fine tune their creative writing skills and work toward the completion of a major project. **Prerequisites:** ENGL 320 or permission of the instructor.

**ENGL 485 Literature By and About Women**  
**AN**  
3 CR  
An intensive study of women authors from the Greek poet Sappho to the present. All genres—poetry, novel, short story, essays, letters, biographies—will be considered, as well as works by authors from around the world. **Prerequisites:** WMST 110, ENGL 220 and ENGL 370 or permission of the instructor.

**ENGL 490 Major Portfolio**  
**F**  
1 CR  
A selection of your best work across your years at BVU and across disciplines. All work from Senior Seminar (ENGL 491) must be included. Also included will be a table of contents, your resume, an evaluation of your experience in the English Program, and any letters of reference or recognition you may wish to include. A graduation requirement. A **co-requisite with ENGL 491, to be registered concurrently.**

**ENGL 491 Senior Seminar**  
**F**  
3 CR  
A senior capstone course offered to English and English education majors. Emphasis is placed on literary theories and criticism, as well as on aesthetics. Various theorists may
be considered, from Plato to Postmodernists. In-depth analysis of specific works from specific theories will be expected. A final project will include a paper and presentation to the entire English Department and an external assessor. Both paper and presentation should demonstrate a solid background in literary terms and discourse. Taken concurrently with ENGL 490. Prerequisite: Completion of all other English major requirements.

ENGL 495 Internship Variable CR
An intensive, supervised work experience, over Interim or a semester, in a discipline-related work environment. Such internships may include working in a publishing house, teaching English in a foreign setting, or working on a foreign newspaper. All require the guidance of an English faculty supervisor. Repeatable for credit. Grading is P/NC. Prerequisites: Approval of faculty sponsor, GPA 3.0 and minimum of sophomore standing.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)
ESOL 155 Integrated ESOL F, S Variable CR
This course is designed for international exchange students who require specific English skills or need a combination of additional reading, writing, listening, or speaking skills. Some students learn most effectively when all of the above skills are presented in an integrated approach. Repeatable for credit. Prerequisite: Permission of ESOL director.

ESOL 160 Speaking for International Students I F, S 3 CR
An introduction to spoken English language both academic and informal language. Students improve their spoken English skills through conversation, pronunciation practice, drills, prepared speeches, and other activities. Prerequisite: Permission of ESOL director.

ESOL 161 Speaking for International Students II F, S 3 CR
This course is a continuation of ESOL 160 and is designed to provide additional instruction in speaking skills to improve conversational and formal speaking skills. Prerequisite: Permission of ESOL director.

ESOL 170 Listening for International Students I F, S 3 CR
An introduction to listening and note taking in an academic environment. Students will listen and take notes to various lectures of American Academic English with lectures increasing in difficulty. Prerequisite: Permission of ESOL director.

ESOL 171 Listening for International Students II F, S 3 CR
This course is a continuation of ESOL 170 and is designed to provide additional instruction in formal presentational and lecture formats in order to improve students’ listening skills. Prerequisite: Permission of ESOL director.

ESOL 180 Reading/Writing for International Students I F, S 3 CR
An introduction to reading and writing American Academic English. Students will read a book(s) and write journals about the material. There is paragraph development, essay writing, and a 3-5 page research paper. Prerequisite: Permission of ESOL director.

ESOL 181 Reading/Writing for International Students II F, S 3 CR
This course is a continuation of ESOL 180 and is designed to provide additional instruction to improve reading and writing skills. Prerequisite: Permission of ESOL director.
ENVIRONMENTAL SCIENCE (ENVS)

ENVS 100 The Biological Environment S 3 CR

ENVS 101 The Physical Environment F 3 CR
The course reviews the environmental impact of human activity on the quality of air, water and land from a primarily chemical and physical perspective. Climate change, global warming, ozone depletion, and pollution will be studied. Since many problems arise from our insatiable demand for energy, energy consumption, energy conservation, and renewable sources of energy are treated early on. Gen. Ed. Explorations – Science.

ENVS 105 Stream Conservation/Fly Fishing ALT F 3 CR
The biological and chemical attributes of streams and their influence on insect and fish populations is the focus of this course. Rehabilitation of streams through subtle means or significant construction activity will be studied. The connection between a conservation ethic and sport is demonstrated through the techniques, equipment, and activity of fly fishing. Gen. Ed. Explorations – Science.

ENVS 201 Conservation Ecology ALT S 3 CR
Historically high extinction rates are the most pressing issue in natural resource management. This course is a survey of the biodiversity crisis and its causes, and efforts to achieve a sustainable relationship between biotic resources and human activities. Gen. Ed. Explorations – Science.

ENVS 301 Human Ecology ALT S 3 CR
Human ecology is the study of how human societies relate to and depend upon the ecosystems that support them. Sustainability of human population and human activities will be the predominant theme of the course. Ecosystem services including clean water, air, soil, and biodiversity will be considered in the context of human impacts on the environment. Prerequisite: ENVS 100 and 101 or consent of instructor.

ENVS 302 Historical Geology ALT S 3 CR
The climate, environment, and flora and fauna of past geologic times will be studied. Emphasis will be placed on the role of life in altering the biosphere and on the role of geological processes in altering biogeography and in selectively preserving and destroying the fossil record. Prerequisite: ENVS 100, GENS 300 Geology recommended.

ENVS 310 Topics in Environmental Science Variable (2 or 3 CR)
Prerequisite: ENVS 100 and 101

Global Climate Change 2 CR
Historic patterns of global climate suggest oscillations of temperature and associated affects upon flora and fauna of the world. Such patterns and their comparison to current climatic change will be the focus of this course. Factors contributing to current global warming will be studied.

Remote Sensing and Geographic Information Systems 2 CR
Technology presently enables the collection of vast amounts of global information. This course will consider how to store, organize, retrieve and present such information.
**Water Quality Analysis**  2 CR
Chemical and biological indicators are now widely gathered for natural bodies of water. The actual collection of such samples, their analysis and the meaning of such data will be the topic of this course. Students will conduct tests of local lakes and streams.

**Environmental Political Theory**  2-3 CR
Various viewpoints will be offered on how environmental issues either have or have not gained a place in political decisions.

**Environmental Policy and Regulation**  2-3 CR
National, state and county governmental agencies have oversight for the creation, protection and management of natural resources. This course will focus on government jurisdiction and regulation of these entities.

**Saving Wild Places**  2 CR
Preservation of natural areas is a complex undertaking. The problems of designating, protecting and managing such preserves will be the topic of this course.

**Environmental Literature**  2-3 CR
Writers frequently have used nature as a topic. Various genres will be surveyed. The influence of such literature in shaping the environmental consciousness of society will be studied.

**Environmental Chemistry**  3 CR
Environmental problems associated with the atmosphere, pesticides, toxic industrial materials and the contamination of natural waters will be studied from a chemical viewpoint. Students will also work in small groups on a variety of real-life environmental projects. Prerequisites: CHEM 151 or GENS 101 is recommended.

**Agriculture and the Environment**  2-3 CR
Agriculture occupies approximately 50% of habitable lands, consumes 70% of water used by humans, and wastes two thirds of that water. Agricultural practices alter weather and climate. Globalization of food and agriculture has altered people’s relationships to the land. The course will examine the sustainability of agricultural practices in an ecosystem context.

**ENVS 400 Supervised Project**  3 CR
A supervised research project that is appropriate for the student’s background and interest within environmental science. P/NC grading. Prerequisites: Junior standing, approval of supervising faculty and ENVS 100 and 101.

**ENVS 495 Internship**  Variable CR
An intensive work experience related to environmental issues. Students will be placed in a selected work experience in industry, government, or private agency. Repeatable for credit. P/NC grading. Prerequisites: Junior standing, approval of supervising faculty, and ENVS 100 and ENVS 101.

**ENVS 498 Senior Capstone Seminar**  1 CR
This seminar is meant to be taken as a final course in environmental science. It will consider the connections between the various disciplines which are part of environmental science. Students may elect to take a senior seminar in social science or science as an alternative to this course. Prerequisites: Junior standing, approval of supervising faculty, and ENVS 100 and ENVS 101.
EXERCISE SCIENCE (EXSC)

EXSC 100 Individual Sport  AN  1 CR
Instruction and practice in the fundamental skills and knowledge of the history, rules, strategy, and games of individual sports.

EXSC 140 Functional Human Anatomy  F, S  2 CR
A study of the essential features of human anatomy with special reference to structure of the skeletal, muscular, nervous, and circulatory systems as they pertain to human movement. Includes lecture and laboratory.

EXSC 160 Athletic Training Observation  F, S  0 CR
Orientation to a variety of intercollegiate sports, participation in the controlled setting of the athletic training room and in field settings under the supervision of full-time staff. Enroll concurrently with EXSC 170.

EXSC 170 Fundamentals of Athletic Training  F, S  3 CR
Instruction and practice in fundamental athletic training skills. Includes a historical perspective of athletic training as a career and familiarizes the student with basic terminology of athletic injuries, injury prevention, taping and immediate care of athletic injuries. Includes lecture and laboratory. Lab fee.

EXSC 173 Introductory Techniques in Athletic Training  S  2 CR
This course is designed to present the practical study of procedures for injury prevention and acute athletic injury management. Topics include the application of taping, splinting, padding, and environmental evaluation techniques. This course also involves an introduction to palpable anatomy as it relates to injury evaluation. Lab fee.

EXSC 180 Lifetime Health Management  F, S  3 CR
A study of those health-related components necessary to maintain physical fitness. An emphasis is on the knowledge and self-assessment of muscular strength, muscular endurance, body composition, cardiovascular health, stress management, and how they relate to a healthy lifestyle.

EXSC 181 Lifetime Leisure Activities  F  2 CR
Practice in the fundamental skills and knowledge of the history, rules, strategy, and general methods of play and teaching lifetime leisure activities. Examples of activities presented are golf, tennis, and archery.

EXSC 182 Teaching Team Sports  S  2 CR
Practice in the fundamental skills and knowledge of the history, rules, strategy, general methods of play and teaching team sports and games. Examples of activities presented are softball, soccer, and volleyball.

EXSC 190 Physiological Principles of Conditioning  F  3 CR
An introductory study into the fundamental principles of conditioning and their application to conditioning for specific skill or sport. Emphasis is on the training of the body’s energy systems.

EXSC 192 Introduction to Sport Management  F, S  3 CR
This is an introductory course in the area of sports management. The course will cover different career possibilities in the sport management field. The course will also cover basic issues in sports administration.

EXSC 200 History, Philosophy and Ethics of Sport  F  3 CR
This course will study the history of modern sport, the philosophical foundation of sport, and the ethical and moral issues in the sport industry. Students will develop a
personal philosophy outlining their ethical values when confronted with difficult issues or decisions that often arise in the world of sport.

EXSC 202  **Public and Community Health**  S  3 CR
Designed to enrich the student’s understanding of public and community health programs, school health, self care, and hygiene in relation to the environment.

EXSC 205  **Clinical Experiences in Athletic Training I**  F  1 CR
This course is the first in a series of six which focuses around the supervised clinical experiences with procedures for the prevention, evaluation, management, and rehabilitation of athletic injuries. Coursework relates to the development of taping, bracing, and bandaging skills, risk management and injury prevention techniques, use and fitting of protective equipment, utilization of an emergency action plan, wound care, and management of environmental concerns. **Prerequisite:** Formal acceptance to the ATEP and completion of EXSC 173.

EXSC 210  **Coaching Volleyball**  F  2 CR
This course covers rules, offensive and defensive strategies, and techniques of volleyball.

EXSC 211  **Coaching Basketball**  F  2 CR
This course covers rules, offensive and defensive strategies, and techniques of basketball.

EXSC 212  **Coaching Baseball and Softball**  S  2 CR
This course covers rules, offensive and defensive strategies, and techniques of baseball and softball.

EXSC 213  **Coaching Wrestling**  S  2 CR
This course covers rules, strategies, and techniques of wrestling.

EXSC 214  **Coaching Soccer**  AN  2 CR
This course covers rules, offensive and defensive strategies, and techniques and practices of soccer.

EXSC 215  **Coaching Football**  S  2 CR
This course covers rules, offensive and defensive strategies, and techniques of football.

EXSC 216  **Coaching Track, Field and Cross Country**  S  2 CR
This course covers rules and techniques of track and field.

EXSC 240  **Dance and Rhythms**  ALT F  2 CR
A course designed to introduce the student to dance and basic elementary movement. This course will cover several different areas of dance including square, folk, and modern.

EXSC 251  **First Aid and Injury Prevention**  F, S  3 CR
Standard First Aid and CPR/AED for the professional rescuer are presented along with basic care and prevention of athletic injuries. These are presented in lecture and laboratory format.

EXSC 272  **Therapeutic Modalities in Athletic Training**  S  3 CR
This course is designed to provide students with underlying theories that support the use of physical agents and electrotherapeutic modalities. Basic principles of tissue trauma, wound healing, pain theories, and pain management will be explored. Students will demonstrate a mastery of clinical application of the following contemporary therapeutic...
modalities: cryotherapy, thermotherapy, electrotherapy, ultrasound, traction, intermittent compression, and massage. **Prerequisites: EXSC 140 and 170.**

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<tr>
<td>EXSC 273</td>
<td><strong>Therapeutic Exercise and Reconditioning</strong></td>
<td>3 CR</td>
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<td>This course will provide the athletic training student with a foundation of the most current trends in injury rehabilitation. A systematic approach to exercise development and evaluation, techniques, indications, contraindications, and exercise progression will be detailed. Students will be exposed to the specificity of exercise for the physically active, the use of exercise in prevention, rehabilitation, and recondition of the physically active. In addition, psychosocial issues as they are related to injury to the physically active will be addressed. <strong>Prerequisite: EXSC 272.</strong></td>
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<td>EXSC 291</td>
<td><strong>Current Health Issues</strong></td>
<td>3 CR</td>
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<td>Course designed to acquaint the prospective teacher with current health topics that are relative to teaching and working with school age children. Topics will include consumer health and substance abuse.</td>
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<td>EXSC 301</td>
<td><strong>Liability in Sport</strong></td>
<td>3 CR</td>
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<td>This course will take an in-depth look at the law and liabilities associated with physical activities. This course will include a basic overview of the law associated with negligence. It will also include examining several case studies and discuss risk management planning.</td>
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<tr>
<td>EXSC 304</td>
<td><strong>Clinical Experiences in Athletic Training II</strong></td>
<td>1 CR</td>
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<td>This course focuses around the supervised clinical experiences with procedures for the prevention, evaluation, management, and rehabilitation of athletic injuries. Coursework relates to competencies and clinical proficiencies in therapeutic modalities. <strong>Prerequisites: Formal acceptance to the ATEP and EXSC 205.</strong></td>
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<td>EXSC 305</td>
<td><strong>Clinical Experiences in Athletic Training III</strong></td>
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<td>This course focuses around the supervised clinical experiences with procedures for the prevention, evaluation, management, and rehabilitation of athletic injuries. Coursework relates to the competencies and clinical proficiencies associated with assessment and evaluation of the lower body. <strong>Prerequisites: Formal acceptance to the ATEP and EXSC 304.</strong></td>
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<td>EXSC 306</td>
<td><strong>Clinical Experiences in Athletic Training IV</strong></td>
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<td>This course focuses around the supervised clinical experiences with procedures for the prevention, evaluation, management, and rehabilitation of athletic injuries. Coursework relates to competencies and clinical proficiencies associated with assessment and evaluation of the upper body. <strong>Prerequisites: Formal acceptance to the ATEP and EXSC 304.</strong></td>
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<td>EXSC 310</td>
<td><strong>Nutrition</strong></td>
<td>3 CR</td>
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<td>A course to introduce the basic nutritional aspects of health, fitness, and human physical performance. Topics presented include the body’s nutrient needs, the nutrient density concept, diet planning, energy balance, dietary supplements, ergogenic aid, and the relationship between fitness, exercise, and nutrition.</td>
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<td>EXSC 321</td>
<td><strong>Adapted Physical Education</strong></td>
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<td></td>
<td>Deals with the methods used in teaching students unable to participate in regular physical education and those special students who are mainstreamed in regular physical education classes.</td>
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<th>Course Code</th>
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<tr>
<td>EXSC 333</td>
<td><strong>Lower Extremity Evaluation</strong></td>
<td>3 CR</td>
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</table>
|             | This course provides the student with information and basic skills used to evaluate athletic orthopedic injuries and other special problems of the lower body in a clinical
and on field setting. Skill acquisition will be developed in palpation methods, range of motion assessments, manual muscle exams, neurological evaluations, and special tests. 

*Prerequisite: Formal acceptance to the ATEP.*

**EXSC 334 Upper Extremity Evaluation ALT F 3 CR**

This course provides the student with information and basic skills used to evaluate athletic orthopedic injuries, general medical conditions, and other special problems of the upper body in a clinical and on field setting. Skill acquisition will be developed in palpation methods, range of motion assessments, manual muscle exams, neurological evaluations, and special tests. *Prerequisite: Formal acceptance to the ATEP.*

**EXSC 335 Selected Topics in General Medicine and Pharmacology F 1 CR**

This course is designed to provide the student with information related to general medical conditions and pharmacological issues commonly seen in active populations. Skill acquisition for proper evaluation, treatment, or referral of general medical conditions will be developed. Students will receive instruction on the recognition, physiological effects, and management of common medications.

**EXSC 341 Advanced Sport Management S 3 CR**

This is an upper-level sport management class that will focus on guidelines for planning and supervising buildings, budget procedures, and policy development. Also included in this course will be personal selection, public relations, and long range planning.  

*Prerequisite: EXSC 192.*

**EXSC 345 Facility and Event Management S 3 CR**

This course focuses on the guidelines and principles of managing sport and recreation events and facilities. Topics include event logistics, critical planning techniques, crowd control, liability, funding, contracts, personnel and programming, facility design, operation, and maintenance.

**EXSC 350 Biomechanics of Human Motion F 2 CR**

A study of the mechanical principles applicable to human motion. Emphasis is on the application of these principles to the analysis of fundamental movement and sport skills.  

*Recommended: EXSC 140.*

**EXSC 351 Motor Learning F, S 3 CR**

Designed to develop the student’s understanding of the process by which children learn movement skills and how the teacher takes students beyond this stage by helping them consolidate positive gains, by adding new insights, and by teaching to higher levels of achievement.  

*Prerequisite: EXSC 140.*

**EXSC 352 Exercise Physiology S 3 CR**

A course designed to acquaint students with the functional responses and adaptation which accompany single and repeated prescribed exercises.  

*Prerequisites: BIOL 142 or permission of instructor.*

**EXSC 405 Clinical Experiences in Athletic Training V F 1 CR**

This course focuses around the supervised clinical experiences with procedures for the prevention, evaluation, management, and rehabilitation of athletic injuries. Coursework relates to competencies and clinical proficiencies associated with body composition, therapeutic exercise, psychosocial aspects of athletic training, nutrition, and organization and administration of athletic training.  

*Prerequisite: Formal acceptance to the ATEP and EXSC 304.*
EXSC 406  Clinical Experiences in Athletic Training VI  S  1 CR
This course focuses around the supervised clinical experiences with procedures for the
prevention, evaluation, management, and rehabilitation of athletic injuries. Coursework
relates to competencies and clinical proficiencies associated with general medical
conditions as related to athletic training, pharmacology, accessing and managing data
using computer software and e-mail, administration of an athletic training facility, and
professional development. Prerequisite: Formal acceptance to the ATEP and EXSC
304.

EXSC 432  Measurement and Evaluation in Health/ Physical Education  ALT S  2 CR
Course designed to effectively implement measurement evaluation techniques in school
and non-school settings.

EXSC 435  Psycho-Social Dimensions of Sport  S  3 CR
This course will seek to identify and understand the psychological theories and
techniques that can be applied to sport to enhance the performance and personal growth
of athletes. Students will be able to recognize that sport is a microcosm of society and is
influenced by cultural traditions, social values, and psycho social experiences. Issues
such as violence in sport, sport aggression, gender, race, and professionalization of sport
will be topics for discussion.

EXSC 444  Organization and Administration of Athletic Training  F  3 CR
This course is designed to provide the student with an understanding of the principles
and techniques associated with the managerial aspects of athletic training programs.
Students shall demonstrate knowledge of health care management concepts including
facility development, fiscal management, insurance, and billing concerns,
pharmaceutical related issues, licensure and personal management. Prerequisite:
Formal acceptance to the ATEP.

EXSC 495  Internship  Variable CR
The exercise science internship is an intensive work experience which is related to the
student’s academic major. P/NC grading system. Repeatable for credit. Prerequisite:
Permission of instructor.

FINANCE AND BANKING (FNBK)
FNBK 301  Personal Finance  F  3 CR
An introduction to the study of personal financial planning. Topics include budgeting,
time value of money, tax planning, use of credit, risk management and insurance,
investing, mutual funds, and planning for life cycle events. Course not open to FNBK
majors. Does not count as part of the FNBK major. Prerequisite: Junior or senior
status.

FNBK 306  Managerial Finance  F, S  3 CR
An introduction to fundamental concepts financial managers use in making decisions.
Topics include the analysis of financial statements, time value of money, risk/return
tradeoffs, investment decisions, and valuation methods for stocks and bonds.
Prerequisites: ACCT 206 and ECON 206.

FNBK 316  Corporate Finance  F  3 CR
Examines the decisions firms make regarding financing and investment, both in the
short-run and long-run. Topics include debt versus equity financing decisions, short-
term financial decisions, capital structure and dividend policy, mergers & acquisitions,
ethical financial decision making, and basic risk management techniques. Prerequisite:
FNBK 306.
### FNBK 322 Analysis of Financial Statements
- **Credit:** 3 CR

Exploration of how to perform credit and equity analysis of firms using financial statements. Discussion also centers on the motivation of the corporations who self-report, the inside and outside analysts, and what further information is needed beyond the statements to conduct thorough analyses. **Prerequisite:** FNBK 306.

### FNBK 356 Financial Planning
- **Credit:** 3 CR

A broad-based study of the financial planning process. Specific emphasis will be on tax planning and the use of mutual funds to facilitate college planning, retirement planning, estate planning, and other life cycle issues. **Prerequisite:** FNBK 306.

### FNBK 405 International Finance
- **Credit:** 3 CR

An examination of the financial difficulties and opportunities firms face when conducting business internationally. Topics include exchange rate behavior, types of exchange rate risk and risk management, and capital budgeting decisions for multinational companies. **Prerequisite:** FNBK 306.

### FNBK 420 Money and Credit Institutions
- **Credit:** 3 CR

A study of the medium of exchange, the institutions which perform the financing functions, and the underlying principles by which the economy is regulated through the banking system. **Cross-listed with ECON 420. Prerequisite:** FNBK 306.

### FNBK 430 Capital Markets and Investments
- **Credit:** 3 CR

An investigation of the fundamentals of capital markets, security analysis and valuation, investment strategies, and portfolio management. Special attention will be given to random walk theory, fundamental and technical analysis, and the role of the institutional investor. **Prerequisite:** FNBK 306.

### FNBK 440 Insurance and Real Estate
- **Credit:** 3 CR

A broad-based study of risk management and insurance vehicles from an introductory, consumer viewpoint. In addition, an introduction to the basics of real estate law, markets, and financing. **Prerequisite:** FNBK 306.

### FNBK 495 Internship
- **Credit:** Variable

The business internship is an intensive work experience which is related to the student’s academic major. Students will be placed in selected businesses which are willing to help students become involved in day-to-day operations. Repeatable for credit. P/NC grading. **Prerequisites:** Finance and Banking major with 70 credit hours and consent of instructor.

### GENERAL SCIENCE (GENS)

#### GENS 101 General Physical Science
- **Credit:** 3 CR

Survey study of the physical sciences, physics, chemistry, etc., for non-science majors. **Gen. Ed. Explorations - Science.**

#### GENS 102 Laboratory for General Physical Science
- **Credit:** 1 CR

A laboratory experience consisting of astronomical observations, laboratory exercises, and demonstrations which are particularly useful for those going into the teaching profession. This lab complements and extends material in GENS 101 but is not required by students taking GENS 101. One two-hour laboratory period. **Prerequisite or corequisite:** GENS 101

#### GENS 110 Introduction to Astronomy
- **Credit:** 3 CR

This course provides the student with an introduction to the field of astronomy. Topics include the historical development of astronomy, the evolution and structure of
astrophysical systems such as the solar system, stars, and galaxies, and modern
cosmological views. During the semester there will be several opportunities to observe
the universe with a telescope. Observations may be required by the instructor. Gen. Ed.
Explorations – Science.

**GENS 115  Atmosphere, Weather and Climate**  
S  3 CR
This course is an introduction to meteorology, the study of the atmosphere, weather and
climate and consists of lectures, discussions, and laboratory work. Gen. Ed.
Explorations - Science

**GENS 125  Oceanography**  
F, S  3 CR
This course is a multi-disciplinary introduction to the basic workings of the ocean.
Laboratory exercises and internet environmental investigations will encourage
understanding and highlight the relevance of this knowledge. Gen. Ed. Explorations –
Science.

**GENS 300  Geology**  
ALT F  4 CR
Study of the structure of the earth’s surface in relation to composition, geologic age,
and the forces of nature. Three lectures, one two-hour laboratory period. Gen. Ed.
Explorations – Science.

**GENS 320  Physical Geography**  
S  3 CR
Physical Geography, a course in landscape appreciation or understanding, examines the
various components of the natural environment, the nature and characteristics of the
physical elements, the processes involved in their development, their distribution over
the Earth, and their basic inter-relationships. Typical components include geological
processes, rocks and minerals, landforms, hydrology, climate, soils, flora, and fauna.

**GENS 495  Internship**  
AN  Variable CR
An intensive, supervised work experience in a discipline related work environment.
P/NC grading. Repeatable for credit. Prerequisite: approval of supervising faculty
member.

**GENS 498  Seminar**  
AN  1 CR
Designed for advanced students, this course develops literature research and oral and
written presentation techniques. Repeatable for credit.

**GEOGRAPHY (GEOG)**

**GEOG 200  World Regional Geography of the**
**Developed World**  
F  3 CR
This course surveys the world’s major developed regions and their physical and human
characteristics from a geographic perspective. The physical environment includes
landforms and climate while the human landscape is characterized by language,
religion, population characteristics, and economic development.

**GEOG 201  World Regional Geography of the**
**Developing World**  
F  3 CR
This course surveys the world’s major developing regions and their physical and human
characteristics from a geographic perspective. The physical environment includes
landforms and climate while the human landscape is characterized by language,
religion, population characteristics, and economic development.

**GEOG 300  Human and Cultural Geography**  
3 CR
This course introduces the distinguishing features of human cultures including language
and religion as well as occupational and political characteristics. The course includes
case studies involving competition for limited resources in an increasingly urbanized and interdependent world.

**GERMAN (GERN)**

**GERN 101**  
**Elementary German I**  
F  3 CR  
An introduction to the fundamentals of German, including pronunciation, grammar, and culture. No prior experience with the language is required. *Gen. Ed. Explorations – Humanities.*

**GERN 102**  
**Elementary German II**  
S  3 CR  

**GERN 201**  
**Intermediate German I**  
F  3 CR  
This course expands students' knowledge of German. Oral proficiency is encouraged. Listening, speaking, reading, and writing skills extended and developed. Cultural knowledge of German-speaking countries broadened. *Gen. Ed. Explorations – Humanities. Prerequisite: GERN 102 or equivalent.*

**GERN 202**  
**Intermediate German II**  
S  3 CR  
Continuation of GERN 201. *Gen. Ed. Explorations – Humanities. Prerequisites: GERN 201 or equivalent.*

**GERN 250**  
**Experiences in Conversation**  
AN  1-3 CR  
A course intended for students who complete one or two years of a language on campus, and/or go on an international exchange and wish to maintain their language ability, but cannot pursue upper division courses in that language. Does not count for major or minor credit.

**GERN 490**  
**International Experience**  
ALT I  3-9 CR  
Credit may be obtained by students who have the opportunity to study abroad or who can apply living experiences abroad to academic disciplines. Arrangements for academic credit and faculty approval must be made prior to the international experience. The experience will be approved and evaluated on the same basis as an on-campus course. P/NC grading.

**GRADUATE PROGRAM (GECI, GEDU and GRDG)**

**GECI 501**  
**Principles of Instructional Design and Curriculum Planning**  
3 CR  
This course introduces students to the foundational principles of curriculum and instructional design as they relate to student achievement. This course promotes acquisition of the knowledge and skills for elementary middle and secondary schools in curriculum leadership and development. It asks the student to examine curriculum areas focusing on the logical structure of the content, and use the results of this analysis suggest logical sequences of the content. Individual assignments and requirements will be made specific to the educational level and content specialization of the student. *Prerequisite: GEDU 510.*

**GECI 502**  
**Cognition And Instruction: Research Based Instructional Strategies**  
3 CR  
This course focuses on the development of memory, knowledge and expertise in school learning from the cognitive psychology perspective. Instructional strategies developed from within this framework are explored. Students are required to select, design, implement and assess the effectiveness of one or more of these strategies in their respective classrooms. *Prerequisite: GEDU 510.*
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<tr>
<td>GECI 503</td>
<td>Differentiating Instruction for Diverse Learners</td>
<td>3 CR</td>
<td>This course explores various instructional models and methods and requires the student to select, design, present and evaluate those approaches in order to teach more effectively. Individual assignments and requirements will be made specific to the educational level and content specialization of the student. Considering individual differences, students will formulate appropriate expectations, educational goals/objectives, learning experiences, and assessment and evaluation tools and techniques. Individual assignments and requirements will be made specific to the educational level and content specialization of the student. <strong>Prerequisite:</strong> GEDU 510.</td>
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<tr>
<td>GECI 504</td>
<td>Professional Development and Instructional Leadership</td>
<td>3 CR</td>
<td>This course gives the experienced educator the skills to adopt a leadership role in his/her school. The course focuses on social processes within the school community with an emphasis on leadership and collaboration skills. The literature on teacher development is reviewed and characteristics of effective schools and their practices are presented. <strong>Prerequisite:</strong> GEDU 510.</td>
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<tr>
<td>GECI 505</td>
<td>Collaborating with Home, School and Community Partners</td>
<td>3 CR</td>
<td>This course prepares students to become effective leaders and collaborators with a variety of constituents and stakeholders. Students will examine models of leadership, collaboration and consultation, and will understand how these models can be used to create and maintain positive and mutually supportive relationships with families, communities and within the school to promote student growth, development and learning. As a part of this course, students will develop a targeted intervention within their school. <strong>Prerequisite:</strong> GEDU 510 and GECI 504.</td>
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<tr>
<td>GECI 541</td>
<td>Second Language Acquisition for Classroom Teachers</td>
<td>3 CR</td>
<td>This course gives an overview of second language learning and teaching in the K-12 setting in the U.S. Linguistic, cognitive, affective, cultural, social and instructional factors as well as the basic principles of second language learning research are addressed. The course introduces participants to foundational theory in both first and second language acquisition and instruction. It explores how students acquire language, what influences the learning process, and how instruction best aids that process.</td>
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<tr>
<td>GECI 542</td>
<td>Applied Linguistics</td>
<td>3 CR</td>
<td>This course is designed to introduce participants with little or no recent acquaintance with linguistics to the concepts and issues relevant to the field of applied linguistics and second language acquisition. It will survey phonetics, phonology, morphology, semantics and syntax. The course will also include an examination of the role of the brain in language learning, the nature of both first and second language acquisition and its application when working with English language learners.</td>
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<tr>
<td>GECI 543</td>
<td>Methods and Curriculum Development in Teaching English as a Second Language</td>
<td>3 CR</td>
<td>This course provides an overview of the theoretical foundations and applications of language instruction approaches, methods, and techniques that are effective in the second language classroom. The course emphasizes the role of ESL teachers as course developers and action researchers. It focuses on effective lesson planning, task design, materials development, assessment and evaluation, and the use of technology in instruction.</td>
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<tr>
<td>GECI 544</td>
<td>Assessment Issues in Second Language Learning</td>
<td>3 CR</td>
<td>This course provides a general background in language assessment issues, opportunities to examine language assessment instruments, and practical experience developing and using formal and informal assessment measures. The students will be able to critically analyze and select evaluation techniques for measuring English language learners’ performance in academic settings.</td>
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**COURSE DESCRIPTIONS**

**GECI 558 Practicum in Teaching English as a Second Language (K-6)  1 CR**
Students will engage in a 30-hour approved supervised teaching experience with English language learners in an elementary school setting. This course is designed for teachers who are currently licensed at the secondary level, but who need an elementary practicum experience to satisfy Iowa endorsement requirements. May be taken concurrently with GEDU 592. P/NC grading.

**GECI 559 Practicum in Teaching English as a Second Language (7-12)  1 CR**
Students will engage in a 30-hour approved supervised teaching experience with English language learners in a secondary school setting. This course is designed for teachers who are currently licensed at the elementary level, but who need a secondary practicum experience to satisfy Iowa endorsement requirements. May be taken concurrently with GEDU 592. P/NC grading.

**GEDU 510 Introduction to Graduate Study and Research  3 CR**
This course prepares the student for graduate study in general and with the specific skills required for competent performance in the program. The course is designed to orient the new student to the logical sequence of the program and to the use of the internet and electronic library databases available for research. The course prepares students to become competent consumers of educational research as well as providing them with the necessary skills for producing applied research in their professional setting. This is a required prerequisite course for continued study within the graduate program.

**GEDU 512 Learning, Development and Motivation  3 CR**
This course will explore the psychological foundations for school learning. A brief survey of historical learning theories as they apply to education will precede the examination of the psychological principles which related specifically to classroom learning, human development and motivation. The primary focus will be on the recent and current research from the cognitive viewpoint. Prerequisite: GEDU 510.

**GEDU 517 Social and Cultural Foundations of Education  3 CR**
Surveys diversity across cultural and ethnic dimensions and the impact this has on school learning. In this course, students will explore the intersection of education and culture, and the historical and philosophical foundations of each. The course will also explore the implications of legislation, values, assessment and policies in a cultural context, designed to heighten student awareness, knowledge and skills necessary for successful teaching with an increasingly diverse student population. Prerequisite: GEDU 510.

**GEDU 518 Assessment and Evaluation of Classroom Learning  3 CR**
This course will cover the skills and strategies necessary for effectively assessing classroom learning. Basic measurement concepts such as reliability and validity, as well as basic statistics will be presented for both norm-reference and criterion-reference assessment. More recent development in alternative assessment procedures are examined. Assessment is presented as the basis on which to make valid reports to appropriate parties and to plan and modify instruction aimed at increasing student academic achievement. Prerequisite: GEDU 510.

**GEDU 519 Professional Orientation to School Guidance and Counseling  3 CR**
This course provides a professional orientation to the role and function of the K-12 school guidance counselor. Both the functions of guidance and counseling are examined as well as the history, roles, organizational structure of comprehensive guidance programs, professional ethics, standards, and credentialing. Students will have an opportunity to practically explore the field of school counseling and current issues related to comprehensive developmentally based guidance programs in the school.
setting. Moreover, this course should facilitate the process of the future graduate coursework by giving the student a firm foundation from which to base one’s professional school counseling career.

**GEDU 527 Developmental Assessment & Guidance Curriculum in School Counseling 3 CR**

This course addresses important conceptual and practical issues of effective school counseling practice, with an emphasis on the critical importance of proactive, primary prevention applications that positively impact student development. Topics include introduction to individual and group developmental assessment practices translated into a developmental guidance curriculum. Also addressed are the practical aspects in developing a positive learning climate in the classroom and coping with conflict, cultural diversities, and special needs while instructing a developmental based guidance curriculum. Also examines assessment procedures of students with primary focus on the administration and interpretation of standardized and non-standardized tests, inventories, observations, and case study approaches of appraisal.

**GEDU 528 Action Research, Data Analysis and Informational Resources 3 CR**

This course prepares and teaches the student specific action research and data analysis skills required for competent performance in the graduate program. The course is designed to orient the student to the Internet, electronic library databases, and related informational resources available for action research. The course prepares students to become competent consumers of educational based research as well as providing them with the necessary skills for producing applied action research and program evaluation analysis in their professional setting.

**GEDU 529 Human Development and Learning in the School and Family 3 CR**

The course examines the impact that the community, family and school contexts have on the development of children and youth as well as how developmental concepts, principles, and theories apply to the learning process in children and youth. The course examines the developmental processes and their implications for curriculum, classroom teaching and management, and understanding human behavior in context of learning. Provides a survey of learning theories as they apply to healthy human development and the examination of the psychological, familial, and community-based issues that relate specifically to classroom learning and academic achievement.

**GEDU 538 Consultation, Leadership & Advocacy Roles in School Counseling 3 CR**

This course provides knowledge of theories, models, and processes of consultation with teachers, administrators, and other school personnel parents, community groups, agencies, and pupils as appropriate; and to provide a background of knowledge and skills applicable to the multiple roles required of school counselors in a comprehensive based guidance program. Course will focus on all the aspects of consultation – with teachers, with parents, and with other professionals. Course will emphasize the diverse and multiple roles of school counselors, including cross-cultural counseling, crisis intervention, conflict resolution, leadership, and advocacy roles that school counselors must assume. Emphasis is placed on oral and written communication, and applying interpersonal and counseling skills to all interactions.

**GEDU 542 Human Growth and Development in School and Family 3 CR**

This course explores the dynamics of human lifespan development and the behavioral characteristics of individual development, basic developmental principles and age-stage characteristics. The course examines the impact that the community, family and school contexts have on the development of children and youth as well as how developmental concepts, principles and theories apply to contemporary problems of children and
youth. Emphasis is given to possible causes, children’s emotional reactions and ways of coping with these situations in the classroom. Separate components specific to elementary, middle and secondary level students are included.

**GEDU 543 Administration of Comprehensive Guidance Programs in the Schools 3 CR**
This course explores comprehensive guidance approaches applicable to elementary, middle, and secondary school students. Current counseling, coordinating, and consulting practices are examined as they relate to students, parents, and school professionals. Emphasis is placed on working within the school and community power structure to establish and redefine program objectives designed to meet the needs of all students. Curriculum and evaluation approaches designed to measure these objectives will also be discussed. Separate components specific to elementary, middle, and secondary level students are included. The course content aligns itself with both ASCA and Iowa standards for the delivery of counseling programs in the schools.

**GEDU 544 Social and Cultural Foundations of School Counseling 3 CR**
This course examines the theoretical basis for establishing helping human relationships. Special consideration will be given to the social and cultural foundations of these theories, to assist counselors in developing multicultural awareness necessary for working successfully with increasingly diverse school and community populations. Course content includes a study of each of the predominant theories and their relevance to social and educational settings. Learners are encouraged to develop their own theories of interpersonal relationships consistent with their personal philosophies. The course will provide them with the basis for conceptualizing client concerns and facilitating client choice and/or behavioral change.

**GEDU 546 Methods in School Guidance and Counseling 3 CR**
This course emphasizes the development of advanced-level communication skills and complex interpersonal processes involved in helping relationships. The course deals with population-specific interviewing including intakes, decision-making, goal setting and the implementation and termination of strategies, while stressing principles, procedures and processes of consultation with emphasis on developing consultation skills. Separate components specifically designed for elementary or secondary are provided.

**GEDU 547 Practicum in Elementary School Guidance 3 CR**
An intensive supervised experience designed to integrate the student’s developing guidance and counseling skills into the K-6 workplace where both interpersonal communication skills as well as the organizational skills are reinforced. Separate elementary, middle and/or secondary experiences are provided.

**GEDU 548 Group Guidance & Counseling in the Schools 3 CR**
This course studies the rationale and methodology of guidance and counseling groups from the developmental perspective. Group processes and techniques appropriate for elementary and secondary school settings are demonstrated. The class offers an opportunity for individual growth through the group experience. Separate components specific to elementary, middle, and secondary level students are included.

**GEDU 549 Career Development and Assessment in the Schools 3 CR**
The course reviews current trends in career development and assessment as part of a comprehensive school guidance and counseling program. The course will study the theoretical approaches to educational based career planning and assessment, and integrate these with career counseling and guidance practices. Career development is viewed as a life-long process that has impact on self, significant others, and career choices. Special attention will be given to the integration of interest, abilities, and personality assessments data as it relates to persons of various cultures.
GEDU 550 **Practicum in Secondary School Guidance** 3 CR
An intensive supervised experience designed to integrate the student’s developing guidance and counseling skills into the 7-12 workplace where both interpersonal communication skills as well as the organizational skills are reinforced. Separate elementary, middle and/or secondary experiences are provided.

GEDU 551 **Supervised Pre-practicum in School Counseling** 3 CR
This course is an advanced class for students preparing for their field practicum experiences through the supervised practicing of counseling skills and conceptualization processes acquired through direct counseling experiences. The class will cover skill development through active practice and review of tapes and in-class role playing. Skills include: empathy, reflection, theory specific applied counseling techniques, basic behavioral and cognitive restructuring interventions, treatment planning, intake and diagnostic interviewing, and termination. Ethical issues, diversity in counseling, and self-reflection will also be addressed.

GEDU 555 **Capstone Professional Portfolio in School Counseling** 1 CR
This course provides an integrative experience requiring students to bring together all of what they have learned in courses, imbedded internship experiences, clinical field experiences, and other professional venues and to demonstrate how that learning has been applied both personally and professionally. The Capstone Professional Portfolio should provide evidence of the development of knowledge and skills expected of an entry-level school counseling professional. The portfolio will be reviewed and assessed by the school counseling faculty. Grading P/NC.

GEDU 591 **Capstone Portfolio: Effective Teaching and Instructional Leadership** 3 CR
The Capstone portfolio is designed to promote student synthesis of learning across the program, within the National Standards framework. Using an appropriate set of standards identified by the student, students will assemble learning artifacts which demonstrate their competency in the Standards and their growth within the program. Grading P/NC.

GEDU 592 **Capstone Portfolio: Teaching English as a Second Language** 3 CR
The Capstone portfolio is designed to promote student synthesis of learning across the program, within the National Standards framework. Students will assemble learning artifacts which demonstrate their competency in the Standards and their growth within the program. The Capstone will prepare students, to proceed with National Certification, should they choose to do so, though this is not a program requirement. Grading P/NC.

GRDG 511 **Foundations of Reading** 1 CR
This course will provide the practitioner/candidate with the knowledge of the psychological, socio-cultural, and linguistic foundations of reading and writing processes and instruction. The p/c will become familiar with a range of research pertaining to reading, writing, and learning, including scientifically based reading research and knowledge of histories of reading. The range of research encompasses research traditions from the fields of the social sciences and other paradigms appropriate for informing practice. The course will focus on the acquisition of knowledge of the major components of reading (phonemic awareness, word identification/phonics, vocabulary, fluency, and comprehension) and how to effectively integrate curricular standards with student interests, motivation, and background knowledge.

GRDG 512 **Implementing a Comprehensive Reading Program** 2 CR
The content of this course will provide the p/c with knowledge of the major processes and tools of implementing a Comprehensive Reading Program. These include School-wide Action Research and the Iowa Professional Development Model. The
practitioner/candidate will overview the five components of a comprehensive reading program as determined by the National Reading Panel (phonemic awareness, phonics, comprehension, vocabulary, and fluency). The p/c will gain knowledge to implement a comprehensive reading program that effectively integrates curricular standards with student interest, motivation, and background knowledge.

GRDG 521  Reading in the Content Area  1 CR
Reading is not a skill limited to language arts classes, and thus every teacher needs to be a teacher of reading. This course is designed to demonstrate to p/c how reading can be taught through a variety of disciplines with an emphasis on text structure and the dimensions of content area vocabulary. This course will emphasize comprehension, and will permit p/c to demonstrate a variety of research-based strategies and practices.

GRDG 522  Exploring Informational Texts  1 CR
This course is designed for the practitioner/candidate to use research-based strategies and practices when applying knowledge of text structure and content area vocabulary to improve comprehension (literal, interpretive, critical, and evaluative) and writing of content area materials. The p/c will also learn to select quality texts that are in alignment with instructional goals.

GRDG 531  Practicum I Guided Reading  1 CR
The content of this course will provide the p/c with the opportunity to be observed implementing all components of small group instruction using leveled texts. These observations will be conducted by a licensed professional(s) who evaluates and provides feedback on the knowledge, disposition, and performance of the teaching of reading and writing. The p/c will learn to effectively use reading and writing strategies, materials, and assessments in a small group setting based upon appropriate reading and writing research. The p/c will make connections using data to monitor, track and adjust literacy growth using assessments and Running Records. The p/c will work with colleagues and families in the support of reading and writing development.

GRDG 532  Practicum II  1 CR
The content of this course will provide the p/c with opportunity to be observed by a licensed professional(s) who evaluates and provides feedback on the knowledge, disposition, and performance of the teaching of reading and writing. The p/c will learn to effectively use reading and writing strategies, materials, and assessments based upon appropriate reading and writing research. The p/c will work with colleagues and families in the support of reading and writing development.

GRDG 541  Language Development  2 CR
The development of a working communication system is a life-long journey for all humans. Although development of a system begins at birth, physical, social, psychological, and emotional components must develop for the acquisition of the abilities of sensation, perception, and cognition, which serve as the foundation for language. Although humans are not unique among the species of the earth in terms of the ability to communicate, they appear to possess a special potential for devising complex language systems and using verbal rules to express our communicative interactions. In order to optimize language development, timing of physiological events and learning experiences is crucial. If the individuals are immature, have physical or mental disabilities, or should the environmental stimulation be unavailable, language development may be delayed or even disrupted. Likewise, the impact of culture and its accompanying implications has a powerful effect on the development of communication and language styles and processes. This course will examine the development of language across the lifespan. It will explore a variety of theoretical beliefs of language development as well as language’s basic building blocks. Individuals who successfully complete the course should be able to use this information to recognize the existence of language development and usage problems, to improve their ability to provide
appropriate strategies to enhance development, and to enhance their ability to
differentiate between language differences and disorders for the language referral
process. These individuals will acquire the knowledge necessary to serve as a resource
for parents and other professionals who seek an understanding of the process of child
language acquisition. Additionally, course participants will explore variations related
to cultural and linguistic development in order to provide effective instruction in reading
and writing. The course will also enhance their ability to serve as researchers seeking to
develop more accurate knowledge concerning the nature of the language development
process.

**GRDG 551 Oral Communication** 1 CR
Communication is the very essence of teaching. By developing an understanding of
student communication behaviors, teachers can determine the appropriate strategies to
create and deliver appropriate classroom strategies. This course will help teachers to
better understand classroom communication and permit them the opportunity to develop
appropriate strategies to meet the needs of students with reading difficulties.

**GRDG 552 Written Communication** 1 CR
There is an acknowledged connection between reading and writing. In order to be
successful in one, an individual needs facility in the other. This course will emphasize
the reading/writing connection, and will explore how oral and written language
development affect reading fluency. The four phases in the writing process will be
explored. Students will explore the stages of spelling development, and how different
writing forms are used for effective communication.

**GRDG 553 Word Journeys** 1 CR
The practitioner/candidate will receive an overview of the stages of spelling
development. The p/c will learn to assess students to determine individual students’
word study needs. The p/c will learn how to implement effective SBRR word study
instruction at appropriate developmental levels.

**GRDG 554 The Elementary Writing Process** 1 CR
The content of this course will provide the p/c with knowledge of the theory and
research-based strategies for designing and delivering effective composition instruction.
The p/c will learn to use the composing think aloud to explicitly teach writing skills.
This course will emphasize the reading/writing connection and will explore how oral
and written language development affect reading fluency. The four phases in the writing
process will be explored through interactive writing. Students will explore the stages of
spelling development, and how different writing forms are used for effective
communication. The p/c will apply the course theory and strategies in a classroom
setting with learners at various stages of reading and writing development and from
varied cultural and linguistic backgrounds. Course study will include a brief history of
composition in the classroom, components of quality writing, research based strategies
for increasing writing skills, the selection of materials for writing instruction, and
assessing writing skills.

**GRDG 555 Introduction to the 6+ Traits of Writing for
Teaching and Assessing Composition** 1 CR
The content will provide the p/c with the knowledge of the writing process, and the
reading-writing-speaking connections. While using the six characteristics, or traits,
found in quality writing, the p/c will apply an understanding of the different types of
writing (narrative, expressive, persuasive, informational, and descriptive). The p/c will
also show connections between oral and written language development to effectively
 teach writing as communication.
GRDG 561 Policies and Practices of Reading Assessment, Diagnosis and Evaluation 1 CR
This course will provide the practitioner/candidate with the knowledge of a variety of instruments, procedures, and practices that range from individual to group and from formal to informal to alternative for the identification of students’ reading proficiencies and needs, for planning and revising instruction for all students, and for communicating results of ongoing assessment to all stakeholders. The p/c will also become aware of policies and procedures related to special programs, including Title 1 and Reading Recovery.

GRDG 562 Reading Assessment, Diagnosis and Evaluation 2 CR
The content will provide the practitioner/candidate with the knowledge of a variety of assessment instruments, procedures and practices that range from individual to group and are used for screening, diagnostic purposes and progress reporting. The p/c will learn to design and implement an assessment plan. Resulting data will be analyzed for the purposes of identifying students’ reading proficiencies and needs, and for planning and revising instruction for all students. Data will also indicate areas of professional growth needed by teachers and will indicate school-wide trends. Results will be communicated to families and other stakeholders. The p/c also demonstrates awareness of policies and procedures related to special programs, including Title I.

GRDG 571 Children’s Literature – Fiction and Non-Fiction 2 CR
The practitioner/candidate uses knowledge of children’s literature for modeling the reading and writing of varied genres, fiction and nonfiction, technology and media based information, and non-print materials; for motivating through the use of texts at multiple levels, representing broad interests and reflecting varied cultures, linguistic backgrounds and perspectives and for matching text complexities to the proficiencies and needs of readers.

GRDG 581 Reading Instructional Strategies 1 CR
This course will provide the practitioner/candidate with the knowledge of a range of research-based strategies and instructional technology for designing and delivering effective instruction across the curriculum, for grouping students and for selecting materials appropriate for learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. The instructional strategies and activities are arranged around general area of focus: phonemic awareness, decoding, fluency, vocabulary, and comprehension. The course content focuses on scientifically based research in reading strategies and learning to read.

GRDG 582 Vocabulary Instructional Strategies 1 CR
The content of this course will provide the p/c with knowledge of the theory and research-based strategies for designing and delivering effective vocabulary instruction. The p/c will apply the findings in a classroom setting. Course study will include how vocabulary is learned by learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. The course will also include selection of vocabulary for direct instruction, instructional methods, instructional materials and assessment.

GRDG 583 Fluency Instructional Strategies 1 CR
The content of this course will provide the p/c with knowledge of the theory and research-based strategies for designing and delivering effective fluency instruction. The p/c will apply the findings in a classroom setting with learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. Course study will include the a brief history of oral reading in the classroom, components of fluency, research based strategies for increasing fluency, the selection of materials for fluency instruction, and assessing reading fluency.
GRDG 584  Phonemic Awareness/Phonics Instructional Strategies  1 CR
The content of this course will provide the p/c with knowledge of the theory and research-based strategies for designing and delivering effective phonemic awareness and phonics instruction. The p/c will apply the findings in a classroom setting with learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. Course study will include components of phonemic awareness and phonics instruction, research-based strategies for increasing phonemic awareness and the understanding of phonics, the selection of materials for phonemic awareness and phonics instruction, and informal assessment. P/C will learn how phonemic awareness and phonics instruction fit into the whole of a comprehensive reading program.

GRDG 585  Comprehension Instructional Strategies – Read Aloud, Talk Aloud and Think Aloud  1 CR
The content of this course will provide the p/c with knowledge of the theory and research-based strategies for designing and delivering effective comprehension instruction. The p/c will apply the findings of strategies that make a difference to readers through their use of teacher and student Read Alouds, Talk Alouds and Think Alouds in a classroom setting. Course study will include how comprehension strategies are learned by learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. The course will also include selection of instructional material, instructional methods, and assessment.

GRDG 586  Comprehensive Instructional Strategies – Picture Word Inductive Model  1 CR
The content of this course will provide the p/c with knowledge of the theory and research-based strategies for designing and delivering effective comprehension instruction using the Picture Word Inductive Model (PWIM). The p/c will apply the findings in a classroom setting with learners at various stages of reading and writing development and from varied cultural and linguistic backgrounds. Course study will include the components of PWIM instruction, research-based strategies for increasing comprehension and the understanding of PWIM, the selection of materials for PWIM and PWIM instruction and informal assessment. P/C will learn how PWIM fits into a comprehensive reading program and is used to help instruct students in phonetic and structural analysis principles, build conceptual vocabulary, comprehension strategies and writing skills aligned with science and social studies concepts.

GRAPHIC DESIGN
See listings under Communication and Graphic Design.

HISTORY (HIST)

HIST 101  History of the United States to 1877  F  3 CR
This course studies the origins and development of the United States from colonization through the Civil War and Reconstruction eras. Gen. Ed. Explorations – Humanities.

HIST 102  History of the United States After 1877  S  3 CR
This course examines the political, economic, and social forces that have shaped modern America from 1877 to the present. Gen. Ed. Explorations – Humanities.

HIST 111  World Civilizations I  F  3 CR
This course studies the cultures and peoples of the world from the classical eras to 1500 and focuses on Egypt, India, China, Greece, and Rome. Gen. Ed. Explorations – Humanities.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Gen. Ed. Explorations</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIST 112</td>
<td>World Civilizations II</td>
<td></td>
<td>3 CR</td>
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<tr>
<td>HIST 121</td>
<td>The Emergence of Western Civilization</td>
<td></td>
<td>3 CR</td>
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<tr>
<td>HIST 122</td>
<td>The Revolutions of Western Civilizations</td>
<td></td>
<td>3 CR</td>
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<tr>
<td>HIST 125</td>
<td>Asian Civilizations</td>
<td></td>
<td>3 CR</td>
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<tr>
<td>HIST 222</td>
<td>The History of Iowa</td>
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<td>3 CR</td>
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<tr>
<td>HIST 223</td>
<td>History of American Indians</td>
<td>ALT 3 S</td>
<td>3 CR</td>
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<tr>
<td>HIST 227</td>
<td>Topics in World History</td>
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<td>3 CR</td>
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<td>HIST 228</td>
<td>Topics in American History</td>
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<td>3 CR</td>
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<tr>
<td>HIST 230</td>
<td>The Vietnam Wars</td>
<td>ALT 3 F</td>
<td>3 CR</td>
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<tr>
<td>HIST 235</td>
<td>The American Civil War</td>
<td>ALT S</td>
<td>3 CR</td>
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<tr>
<td>HIST 240</td>
<td>The History of the American West</td>
<td>ALT F</td>
<td>3 CR</td>
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<tr>
<td>HIST 241</td>
<td>History of World War II</td>
<td>ALT F</td>
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</table>

This course examines the forces that have shaped the cultural diversity of the modern world from 1500 to the present and emphasizes industrialization, imperialism, nationalism, and the world wars. *Gen. Ed. Explorations – Humanities.*

This course examines the cultures and people of western civilization from the classical era until the emergence of the modern nation state. *Gen. Ed. Explorations – Humanities.*

This course examines the forces that have shaped western industrialized society, focusing on the scientific, French and industrial revolutions, from their origins to their effects on the 20th century. *Gen. Ed. Explorations – Humanities.*

This course is an overview of Asia from cultural, social, and political viewpoints. *Gen. Ed. Explorations – Humanities.*

This course studies the social, political, and economic developments in Iowa from the 17th century to the present. *Gen. Ed. Explorations – Humanities.*

This course examines the economic, social, and cultural lives of Native Americans and their encounters with European-Americans and the policies of the United States government.

This course focuses on an important topic in world history. Topics will vary in response to both faculty and student interest. Repeatable for credit.

This course focuses on an important topic in American history. Topics will vary in response to both faculty and student interest. Repeatable for credit.

This course examines the history of Vietnam including the wars for independence from the Chinese and French and the war with the United States. *Gen. Ed. Explorations – Humanities.*


A survey of the American West from the late 1700s to the present, this course examines the American West as both a region and an image in the American historical consciousness, emphasizing how historians and Americans in general have viewed the region and interpreted its past as part of the American experience. *Gen. Ed. Explorations – Humanities.*

This course is a survey of World War II, the most catastrophic war in human history. Throughout the semester we will examine the causes of the conflict, the Allies and Axis powers, the buildup and outbreak of fighting in Europe and the Pacific, the conduct and outcome of major campaigns, the Holocaust, and the end of the war and its aftermath. We will also focus on moral judgments made during the stress of war and on the
ideological and racial dimensions of the conflict and their impact on how the war began, the brutal nature in which it was waged, and its legacies. *Gen. Ed. Explorations – Humanities.*

**HIST 242 The Holocaust**  
ALT 3 F  
3 CR  
The Holocaust refers to the period between 1939 and 1945 when between 13 and 15 million people, 6 million of them Jews, were murdered by the German Nazi Party. This class will explore Jewish life before World War II, the rise of Adolf Hitler and the Nazi Party, the planning and execution of the so-called “Final Solution” to the “Jewish Problem,” life and death in the ghettos and camps, liberation, and the aftermath of the war years. *Gen. Ed. Explorations – Humanities.*

**HIST 245 Renaissance and Reformation**  
AN 3 CR  
This course is an exploration of the great cultural, intellectual, and spiritual transformations wrought in the overlapping eras of the Renaissance and Reformation in Europe, ca. 1300-1648. *Gen. Ed. Explorations – Humanities.*

**HIST 284 Empires: The Colonial Experience**  
ALT 3 F  
3 CR  
This course is an examination of modern European imperialism and focuses on the response of colonial peoples and emphasizes nontraditional sources such as novels and films. *Gen. Ed. Explorations – Humanities.*

**HIST 311 Problems in World History**  
AN 3 CR  
This course focuses on an important problem in the field of World history. Topics vary in response to faculty and student interests. Repeatable for credit.

**HIST 312 Problems in American History**  
AN 3 CR  
This course focuses on an important problem in the field of American history. Topics vary in response to faculty and student interests. Repeatable for credit.

**HIST 315 History of Immigration in the U.S.**  
This course is an exploration of individual beliefs about ethnicity, culture, and race in the U.S. It will allow an exploration of the U.S. immigration from colonial American to the present. *Gen. Ed. Explorations – Humanities. This course is only offered through BVU Professional & Online Studies.*

**HIST 320 History of the Middle East**  
ALT S  
3 CR  
This course examines the history of West Asia from the time of Mohammed in the seventh century through the current difficulties confronting the region.

**HIST 349 Modern Europe**  
AN 3 CR  
This course examines the cultural, political, military, and social forces that have shaped 20th century Europe.

**HIST 350 The American Revolution**  
ALT 3 F  
3 CR  
This course investigates the causes, conduct, and consequences of the American Revolution from political, social, and military perspectives.

**HIST 358 Women Around the World**  
ALT S  
3 CR  
This course is an examination of how individual women and groups of women have significantly influenced their communities and countries, as well as helped define their various roles in their families and societies.

**HIST 360 History of China**  
ALT F  
3 CR  
This course explores the history of China from cultural, social, and political viewpoints, with an emphasis on the continuity of Confucianism and the modern Communist state.
HIST 362  History of Japan  ALT S  3 CR
This course surveys the history of Japan from cultural, social, and political perspectives, stressing the Japanese feudal, Meiji, and post-World War II periods.

HIST 364  History of India  AN  3 CR
This course concentrates on the development of India’s “Great Tradition,” including Hinduism, the caste system, and civilization which existed in India dating from 2-600 BCE.

HIST 370  The Early American Republic, 1787-1840  ALT 3 S  3 CR
This course explores the history of the founding and the early beginnings of the American Republic with special emphasis on the results of the American Revolution, the Confederation, the creation of the Constitution, the War of 1812, and the Federalist, Jeffersonian, and Jacksonian Eras.

HIST 390  America and the World Wars  ALT F  3 CR
This course examines the role of the United States in World War I and World War II in social, political, and military contexts. It will focus not only on the impact of the wars of the U.S., but also on the United States’ impact on the world as it emerged from these global conflicts and became a prominent power on the world stage.

HIST 397  Recent American History  ALT 3 S  3 CR
This course is an examination of the American people from 1945 to the present, including the McCarthy era, the Cold War (especially the Vietnam War), the New Left, the Civil Rights Movement, the Feminist Movement, and the Green Revolution.

HIST 481  The Historian’s Craft (World)  F  3 CR
This course is the senior seminar for history majors who are emphasizing world history and focuses on historiography and on independent research and writing in the field. For history education majors, this course can count for elective credit in world history.
Prerequisite: Junior standing or above.

HIST 482  The Historian’s Craft (U.S.)  F  3 CR
This course is the senior seminar for history majors who are emphasizing US history and focuses on historiography and on independent research and writing in the field. For history education majors, this course can count for elective credit in U.S. history.
Prerequisite: Junior standing or above.

HIST 495  Internship  Variable CR
An intensive, supervised work experience in a discipline related work environment. P/NC grading. Repeatable for credit. Prerequisite: Approval of supervising faculty member.

HONORS
HONR 100  Honors Orientation  S  1 CR
A seminar intended to introduce all students admitted to the Honors Program to the demands and features of Honors work. Graded P/NC. Prerequisites: Admission to the Honors Program and permission of the honors program director.

HONR 200  Honors Fine Arts  AN  3 CR
The Fine Arts Explorations seminar for Honors students. May not be taken P/NC. Prerequisites: HONR 100 and permission of the honors program director.

HONR 210  Honors Social Science  AN  3 CR
The Social Science Explorations seminar for Honors students. May not be taken P/NC. Prerequisites: HONR 100 and permission of the honors program director.
HONR 220  Honors Science  AN  3 CR  
The Science Explorations seminar for Honors students. May not be taken P/NC.  
Prerequisites: HONR 100 and permission of the honors program director.

HONR 230  Honors Humanities  AN  3 CR  
The Humanities Explorations seminar for Honors students. May not be taken P/NC.  
Prerequisites: HONR 100 and permission of the honors program director.

HONR 300  Honors Proposal  S  1 CR  
The Honors Proposal hour is intended to help students develop a topic, recruit a faculty  
member to serve as a research mentor, write a proposal, and create a research plan for a  
final Honors research project. Graded P/NC. Prerequisites: HONR 100 and permission  
of the honors program director.

HONR 350  Honors Research  F  3 CR  
The purpose of the Honors Research course is the completion of the project proposed  
and passed in HONR 300. Graded P/NC. Prerequisites: HONR 300 and permission of  
the honors program director.

HONR 498  Honors Capstone  S  1 CR  
Students enrolled in HONR 498 will make any required revisions to the project  
completed in HONR 350, prepare parts or the whole for public presentation  
(conference, Scholars Day, etc.) and defend the finished work before the Honors  
Committee. Graded P/NC. Prerequisites: HONR 350 and permission of the honors  
program director.

INTERIM (INTM)  
INTM courses are offered during the January Interim session and are intended to be  
elective hours toward graduation. INTM courses do not count as major/minor credit.

JAPANESE (JAPN)  

JAPN 101  Elementary Japanese I  F, I  3 CR  
An introduction to the fundamentals of Japanese, including pronunciation, grammar,  
and culture. No prior experience with the language is required. Gen. Ed. Explorations –  
Humanities.

JAPN 102  Elementary Japanese II  S  3 CR  
Continuation of JAPN 101. Gen. Ed. Explorations – Humanities. Prerequisites: JAPN  
101 or equivalent.

JAPN 125  Japanese Culture  AN  3 CR  
This course introduces students to the various aspects of Japanese traditional and  
contemporary culture including historical background and the major characteristics of  
Japanese language through readings and film viewing. This course materials will use  
English translations of readings and subtitled films, no prior knowledge of Japanese  

JAPN 201  Intermediate Japanese I  AN  3 CR  
This course expands students’ knowledge of the Japanese language and culture. Focus is  
on greater oral proficiency and enhanced grammar understanding. Course credit is  
usually earned through study abroad. Prerequisite: JAPN 102 or equivalent.

JAPN 202  Intermediate Japanese II  AN  3 CR  
Continuation of JAPN 201. Course credit is usually earned through study abroad.  
Prerequisite: JAPN 201 or equivalent.
<table>
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<tr>
<th>Course Code</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>JAPN 250</td>
<td>Experiences in Conversation</td>
<td>1-3 CR</td>
<td>A course intended for students who complete one or two years of a language on campus, and/or go on an international exchange and wish to maintain their language ability, but cannot pursue upper division courses in that language. Does not count for major or minor credit.</td>
</tr>
<tr>
<td>JAPN 490</td>
<td>International Experience</td>
<td>F, I, S</td>
<td>3-9 CR Credit may be obtained through study abroad. Arrangements for academic credit and faculty approval must be made prior to the international experience. The experience will be approved and evaluated on the same basis as an on campus course. P/NC grading.</td>
</tr>
<tr>
<td>MANAGEMENT (MGMT)</td>
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<tr>
<td>MGMT 120</td>
<td>Business in Society</td>
<td>AN 3 CR</td>
<td>An exploratory course for anyone considering the possibility of a business career. Subject matter includes the goals, structure, and culture of business organizations. Restricted to freshmen business majors, business minor students, and other non-business majors for major and elective credit. No credit given to upper-class business majors.</td>
</tr>
<tr>
<td>MGMT 206</td>
<td>Management Science</td>
<td>F, S 3 CR</td>
<td>The development of quantitative decision-making tools, techniques, and methods, and their managerial applications. Topics include fundamental business models; probability theory and applications; basic forecasting methods; formal decision models; applied game-theoretic decision strategies; graphical sensitivity and risk analyses; indicator information and efficiency; utility theory and applications; and linear programming decision models. Prerequisite: MATH 140.</td>
</tr>
<tr>
<td>MGMT 306</td>
<td>Principles of Management</td>
<td>F, S 3 CR</td>
<td>A course emphasizing the skills and knowledge needed to become a successful manager. It examines basic management functions, including planning, organizing, staffing, directing, and controlling, as well as decision making, communication, and problem solving. Ethical behavior, operations management, and international management will also be covered. Prerequisite: At least 30 credit hours or consent of instructor.</td>
</tr>
<tr>
<td>MGMT 307</td>
<td>International Business</td>
<td>F 3 CR</td>
<td>An introduction to the field of international business, this course provides a survey of the key factors, including cultural, geographic, economic, financial, political, legal, technological, and social influences, which affect all aspects of doing business globally. Prerequisite: ECON 206.</td>
</tr>
<tr>
<td>MGMT 315</td>
<td>Business Law I</td>
<td>F, S 3 CR</td>
<td>A study of legal principles as they impact business. Topics include legal environment of business, contracts, business organizations, Uniform Commercial Code, government regulation of business and international law. Prerequisite: Junior standing.</td>
</tr>
<tr>
<td>MGMT 316</td>
<td>Business Law II</td>
<td>ALT S 3 CR</td>
<td>Continuation of MGMT 315. Prerequisite: MGMT 315</td>
</tr>
<tr>
<td>MGMT 320</td>
<td>Human Resource Management</td>
<td>F 3 CR</td>
<td>A study of the responsibility of personnel directors and managers in the selection, training, and supervising of employees. Emphasis on leadership techniques is stressed. Prerequisite: MGMT 306.</td>
</tr>
</tbody>
</table>
MGMT 375 | **Entrepreneurship/Small Business** | F | 3 CR
A study of the process of starting a new business through managing the business after the initial (start-up) phase has been completed. Specific topics include developing a business plan, financing, competitive analysis, and problems encountered by small businesses. *Prerequisite: MGMT 306.*

MGMT 380 | **Social Responsibility of Business** | S | 3 CR
The identification and assessment of forces which have shaped the relationships between business and society. Specific topics include moral and ethical questions in business, stakeholder concepts and issues, and the application of philosophical models of ethics to business situations, and decision-making. *Prerequisite: MGMT 306 or permission of the instructor.*

MGMT 410 | **Organization Theory** | AN | 3 CR
The course surveys relationship(s) of organizations to the environment surrounding the organization. Topics include the similarity in structure of companies operating in particular industry (e.g., oil refining, chemicals) and the implications of structure for managerial responsibilities and power (e.g., how organizational structure affects the behavior of individuals and groups working in an organization). *Prerequisite: MGMT 306.*

MGMT 420 | **Advanced Human Resource Management** | S | 3 CR
Designed to study the sub-set of topics/issues in the human resource management area. Some of these topics/issues may include compensation and benefits, performance appraisal, motivation, job satisfaction, retention, absenteeism, grievance handling. *Prerequisites: MGMT 320 and senior standing, or by permission of instructor.*

MGMT 465 | **Production and Operations Management** | AN | 3 CR
Topics include inventory management, plant location and layout, queuing theory, scheduling with PERT and CPM, and the use of expert systems and other mathematical tools in product and operations management. *Prerequisites: MGMT 206 and 306.*

MGMT 492 | **Business Policy and Strategy** | F, S | 3 CR
An integrative application of the theories and tools of functional business areas to decision-making in organization-wide situations using case analysis. Specific topics include experience curve cost reductions, portfolio analysis and management, and the fit between strategy and structure. *Prerequisites: FNBK 306, MGMT 206, MGMT 306, MGMT 315 and MRKT 306.*

MGMT 495 | **Internship** | Variable CR
An intensive experience in which the student is placed in a selected business and becomes involved in day-to-day operations. Repeatable for credit. P/NC grading. *Prerequisite: Permission of the instructor.*

**MANAGEMENT INFORMATION SYSTEMS (MIS)**

MIS 209 | **COBOL** | ALT F | 3 CR
An introduction to COBOL, the primary computer language of business. The basic structure of the language is emphasized together with business applications. *Prerequisite: CMSC 200.*

MIS 211 | **File Processing** | ALT S | 3 CR
A continuation of MIS 209 COBOL. File Processing is studied through data structures, environment, sequential, random, and file I/O topics. *Prerequisites: MIS 209.*
MIS 300  Introduction to Management Information Systems  F, S  3 CR
The purpose of the course is to make students aware of the need to understand the change that computer usage has brought about in our society. Focus is on hardware, software, personnel in CMSC, and a brief look at systems development using the life cycle concept. Special emphasis is also given to E-Business and E-Commerce. Case studies are used where appropriate. Prerequisite: Successful completion of the BVU technology skills foundational requirement.

MIS 308  Systems Analysis, Design, and Implementation ALT S  3 CR
A course designed to understand structured analysis, design, and implementation of business information systems through the life cycle concept. Stresses the use of modular programming techniques and information systems in direct collaboration between users and analysts. Prerequisites: MIS 211 and CMSC 320.

MIS 345  Introduction to Networking ALT F  3 CR
An introduction to networks and data communications to provide a platform for further studies in more focused areas of computer networks. The OSI model is used as a vehicle for these studies. In addition students will gain an understanding of working with a LAN through hands-on construction of a small LAN from the ground up, including hardware and software. Prerequisites: CMSC 200 and MIS 300.

MIS 360  Simulation and Modeling ALT S  3 CR
This course examines the types of models, their requirements, their limitations, choice of types, applications, and typical sources. Prerequisites: CMSC 201 and MATH 140.

MIS 410  Database Design ALT F  3 CR
Content will stress basic knowledge in data structures, normalization of data, data modeling, and database methodology. Students learn rudimentary skills of constructing database schemes. Prerequisite: CMSC 201 or MIS 211.

MIS 495  Management Information Systems Internship Variable CR
The business internship is an intensive work experience which is related to the student’s academic major in business. Students will be placed in selected businesses which are willing to help students become involved in day-to-day operation. Repeatable for credit. P/NC grading. Prerequisite: Management information systems major with 70 credit hours and consent of instructor.

MIS 498  Seminar S  1 CR
This course develops literature research and oral and written presentation techniques. As part of this course students may be required to participate in an annual conference. Repeatable for credit.

MARKETING (MRKT)

MRKT 306  Principles of Marketing F, S  3 CR
An introduction to the vocabulary, theories, and practices of the business functional area of marketing, including segmentation, target marketing, and positioning. It emphasizes developing and implementing marketing strategies and deciding appropriate product distribution, price, and promotion strategies for identified target markets. Prerequisite: 45 credit hours (second semester sophomore standing).

MRKT 340  Business Marketing F  3 CR
A course designed to develop a managerial perspective regarding the marketing of goods and services to organizations. The text, lectures, cases, and assigned readings will provide a foundation from which to achieve this purpose; the student must actively participate to gain this perspective. Prerequisite: MRKT 306.
COURSE DESCRIPTIONS

MRKT 350  Retailing  ALT S  3 CR
A managerially-oriented course in retailing with an emphasis on practical applications of retailing policies, methods, and procedures for both small and large operations. These fundamental retail management concepts are presented using a conceptual, theoretical, and strategic framework consistent with the dynamics of both the practitioner environment and current academic thought. Prerequisite: MRKT 306.

MRKT 353  Field Experiences in Sports Marketing and Management  1  3 CR
During this two-week field experience in Phoenix, Ariz., students will meet with marketing and management professionals at organizations such as the Phoenix Suns, Mercury, Rattlers, Coyotes, the Phoenix Open, and the Greater Phoenix Convention and Visitors Bureau. Prerequisites: MRKT 306 and MGMT 306.

MRKT 354  Sports Marketing  ALT S  3 CR
This course is designed to introduce students to the world of sports marketing, including event marketing and management, strategic planning, hospitality and protocol, sales and negotiations, celebrity sponsorships, advertising, and media choices. To apply their new-found knowledge, students will complete a strategic market analysis for a major sport or event of their choice. Prerequisites: MRKT 306.

MRKT 355  Consumer Behavior  S  3 CR
The course provides a foundation for analyzing the consumer-buying decision process, consumer lifestyles and behavior patterns, and influences on those patterns. Special attention will be given to predictive techniques and implications for marketing strategy. Prerequisite: MRKT 306.

MRKT 400  Practicum in Marketing Problems/Small Business Institute (SBI)  AN  3 CR
A course designed to provide the student with a chance to observe and participate in the “real world.” (SBI projects are application-based, faculty-led experiences offered at the discretion of the marketing faculty.) Working in teams of 3 or 4, students will be paired with an actual small business as consultants. Depending on the client’s needs, the consulting team will complete a marketing/business plan for the business. Although supervised by the instructor, team members will need to work independently with their client to complete the project. Repeatable for credit. Prerequisites: 12 credit hours of marketing and junior standing, or permission of instructor.

MRKT 407  International Marketing  ALT F  3 CR
An investigation of the influence of global economic, cultural, political, and infrastructural forces on marketing strategy for the international, multinational, or global firm. A case approach will be used to study the problems and techniques of international marketing strategy development and implementation. Prerequisites: MRKT 306 and MGMT 307.

MRKT 410  E-Commerce  AN  3 CR
The Internet promises to change the way we do business. Certainly, the internet has been a stimulus to adoption of the information highway. Practitioners of e-commerce are claiming that they are doing tomorrow’s business today. This class considers where the internet is today and where it is going tomorrow. It provides the student with an opportunity to analyze web sites of both marketing and e-commerce entities. These analyses will provide the student with a foundation on which to build a web site for an existing profit/non-profit organization. Prerequisite: MRKT 306.

MRKT 414  Selling  ALT S  3 CR
The course covers general sales techniques from the initial introduction stage to closing the sale. This includes such topics as knowing and understanding your market, how to
establish the relevant decision makers in an organization, call techniques, and how to introduce yourself and the company you represent. It covers the general sales cycle and associated sales skills such as closing and how to overcome objections plus how to build ongoing relationships and establishing a rapport with the client. The course includes role-plays to aid the learning process. **Prerequisite: MRKT 306.**

**MRKT 415 Sales Management**

The purpose of this course is to help the student become familiar with the various aspects of professional selling and the sales management process (i.e., planning, staffing, administering, and controlling the selling function). The text, lectures, cases, and current literature will be used to accomplish this goal. **Prerequisite: MRKT 306.**

**MRKT 418 Market Research**

This course is designed to introduce students to fundamental marketing research design issues encompassing the conceptualization of research problems, the design of appropriate research methodologies, statistical analysis, the communication of results, and the discussion of managerial implications. The ethical considerations of collecting data and presenting research findings will also be discussed. **Prerequisites: MRKT 306 and MGMT 206.**

**MRKT 432 Strategic Marketing**

Designed to involve students in the problems, decisions and decision-making process of marketing managers as they seek to develop effective marketing strategies in an ever-changing, challenging environment. **Prerequisite: MRKT 306, at least two other marketing courses, and senior standing.**

**MRKT 495 Marketing Internship**

This experiential learning activity adds a resume-building, real-world experience to a marketing student’s list of accomplishments. Internship experiences often lead to full-time employment at the end of the internship. Repeatable for credit. Grading is P/NC. **Prerequisites: MRKT 306 and junior standing.**

**MRKT 496 Sales Internship**

This internship specifically focuses on sales. In this internship students will experience cold-calling, prospecting, relationship building, and/or other pertinent steps in the selling process as directed by their internship employer. Grading is P/NC. **Prerequisites: MRKT 306, at least junior standing, and consent of the instructor.**

**MATHEMATICS (MATH)**

**MATH 050 Basic Mathematics**

This course covers basic mathematics topics such as arithmetic of fractions, decimals, and signed numbers; percents, ratios, and proportions; elementary geometry including area and perimeter; and basic algebra. Enrollment by university placement. **Must earn a grade of “C” or better.**

**MATH 100 Concepts and Applications of Fundamental Mathematics**

This course covers concepts and techniques of algebra and geometry which are fundamental to understanding the role of mathematics in a variety of application areas. Topics include rules and techniques for manipulation of algebraic symbols and expressions (including exponents and radicals), solution methods and applications of linear and quadratic equations, graphs of equations with special emphasis on linear equations, geometric concepts and applications, and solution techniques and applications of systems of equations. **Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundations requirement. Prerequisite: MATH 050 or university placement.**
MATH 125 Mathematics for Elementary Teachers  F, S  3 CR
Basic mathematics content pertinent to elementary teaching. Topics include problem solving, set theory, number systems and bases, number theory, informal geometry, measurement, and elementary probability and statistics. Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundations requirement. Prerequisites: MATH 100 or university placement. A passing score on the mathematics portion of Praxis I is strongly recommended prior to enrollment in this course.

MATH 130 Mathematical Ideas for the Liberal Arts  F, S  3 CR
This course emphasizes the nature of mathematical thought and the role played by mathematics in modern society. Topics such as graphs, social choice and decision making, geometry and patterns, and elementary probability and descriptive statistics will be used to demonstrate the role played by mathematics in contemporary settings. Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundations requirement. Prerequisite: MATH 100 or university placement.

MATH 140 Elementary Applied Statistics  F, S  4 CR
Descriptive statistics, probability and probability distributions, confidence intervals, hypothesis testing, correlation and bivariate regression, analysis of variance. Applications involving the use of microcomputer software are an integral part of the course. Generally taken in the sophomore year. Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundation requirement. Prerequisite: MATH 100 or university placement.

MATH 145 Precalculus  F, S  3 CR
This course covers concepts and techniques relating to functions, and specifically addresses the study of exponential, logarithmic, and trigonometric functions. Gen. Ed. Foundations. Must earn a grade of “C” or better to complete foundations requirement. Prerequisite: MATH 100 or university placement.

MATH 160 Calculus I: Differential Calculus  F, S  4 CR
This course covers analytical geometry, limits, differentiation of basic functions (polynomial, rational, power, trigonometric, exponential, and logarithmic), and applications of differentiation to problems in the natural sciences, social sciences, business, and economics. Gen. Ed. Explorations – Science. Prerequisite: MATH 145 or a high school precalculus course.

MATH 161 Calculus II: Integral Calculus  F, S  4 CR
This course covers antiderivatives, definite integrals, techniques of integration, and applications of integration to problems in the natural sciences, social sciences, business, and economics. Gen. Ed. Explorations – Science. Prerequisite: MATH 160.

MATH 215 Formal Logic  AN  3 CR
This course covers basic sentential logic, first- and higher- order predicate logic, and proof techniques for establishing validity and invalidity of arguments within these frameworks. Specific topics include truth tables, basic rules of inference, conditional and indirect proof, Venn diagrams, basic syllogisms, and quantification. Not recommended for freshmen.

MATH 240 Foundations of Advanced Mathematics  F  3 CR
Topics central to all higher mathematics including proofs, logic, sets, relations and functions, and abstract systems. Pre/Co-requisite: MATH 161.

MATH 260 Calculus III: Intermediate Calculus  F  3 CR
This course covers infinite sequences and series, Taylor polynomials, Taylor series and general power series, polar coordinates, parametric equations, and basic vector algebra. Prerequisite: MATH 161.
MATH 261  Calculus IV: Multivariable Calculus  S  3 CR
This course covers the calculus of functions of several variables. Topics include basic vector review, partial derivatives, multiple integrals, line integrals, vector calculus, and applications. Prerequisite: MATH 260.

MATH 320  History of Mathematics  ALT F  3 CR
In this course students examine historical developments and trends in mathematics, their broader scientific and societal contexts, and the lives and contributions of major figures in the field of mathematics from antiquity through the twentieth century. Prerequisite: MATH 240.

MATH 322  Linear Algebra  ALT S  3 CR
A study of Euclidean space and abstract vector spaces. Topics include subspaces, bases, eigenvalues, eigenvectors, determinants, and linear transformations. Applications of linear algebra to systems of equations, differential equations, and difference equations may be covered if time permits. Prerequisites: MATH 161 and MATH 240, or permission of instructor.

MATH 330  Applied Regression Analysis  AN  3 CR
Applied statistical analysis techniques including multivariate regression and associated topics, categorical variables, and logistic regression. Applications involving the use of microcomputer software and cross-disciplinary datasets are an integral part of the course. Not recommended for freshmen. Prerequisite: MATH 140 or MATH 433.

MATH 341  Modern Algebra  ALT F  3 CR
A study of algebraic systems, including groups, rings, integral domains, and fields. Prerequisite: MATH 240.

MATH 352  Elements of Geometry  ALT S  3 CR
Geometry from an advanced viewpoint, including topics in Euclidean and non-Euclidean geometries. Prerequisite: MATH 240.

MATH 361  Differential Equations  S  3 CR
A study of differential equations of the first, second, and higher orders, linear equations with constant coefficients, series techniques, numerical techniques, and Laplace transforms. Prerequisite: MATH 161.

MATH 371  Numerical Analysis  ALT F  3 CR
The basic numerical methods used in solving algebraic and differential equations. Computer use and error analysis are integral parts of the course. Knowledge of computer programming language is helpful. Prerequisite: MATH 161.

MATH 391  Topics in Pure Mathematics  AN  3 CR
Depending on students’ needs and interests, topics such as number theory, topology, theory of rings, measure theory, and mathematical logic and foundations may be included. Prerequisite: Permission of instructor.

MATH 392  Topics in Applied Mathematics  AN  3 CR
Depending on students’ needs and interests, topics such as Fourier series techniques and applications, numerical analysis techniques for algebraic and differential equations, biomathematics, and advanced topics in probability, statistics, or differential equations may be included. Prerequisite: Permission of instructor.

MATH 432  Probability and Mathematical Statistics I  ALT F  3 CR
The course examines probability from an advanced (calculus based) point of view. Topics include the theory and application of discrete and continuous probability
distribution and density functions, mathematical expectation, moment generating functions, several specific probability distributions (Binomial, Normal, Poisson, Exponential, Geometric, Hypergeometric, Negative Binomial, Gamma, Chi-Square, etc.), and the Central Limit Theorem. Calculus is used throughout. Prerequisites: MATH 161 and MATH 240.

MATH 433 Probability and Mathematical Statistics II ALT S 3 CR
A continuation of MATH 432 which examines the theory and application of statistical inference techniques including confidence intervals, hypothesis testing, regression, correlation, and analysis of variance. Prerequisite: MATH 432.

MATH 460 Complex Variables AN 3 CR
A study of complex numbers, analytic functions, complex integration, power series, residues and poles, and conformal mapping. Prerequisites: MATH 240 and MATH 260, or permission of instructor.

MATH 470 Intermediate Analysis AN 3 CR
A rigorous study of the fundamental concepts of higher mathematics including the real numbers, limits and continuity, integration and differentiation, elementary topology of Euclidean spaces, and aspects of the foundations of mathematics. Prerequisite: MATH 240.

MATH 480 Senior Capstone F 3 CR
This capstone course will be an interactive seminar developed around a selected topic in advanced mathematics. Significant student presentation and interaction, engagement with current literature in mathematics, and a formal paper will be central to the course. Prerequisites: Senior standing and mathematics major or minor.

MATH 495 Internship Variable CR
An intensive, supervised work experience in a discipline related work experience. P/NC grading. Repeatable for credit. Prerequisite: Approval of supervising faculty member.

MEDIA STUDIES (MDST)

MDST 102 Media and Society F, S 3 CR
This introductory course surveys the history, development, and social impact of the mass media, new and emerging media, and media content. Students will explore such issues as ownership, regulation, convergence, representation, and media ethics. Students will also begin to develop critical skills for analyzing the media in order to investigate the ways the media shape culture and circulate meanings. Gen. Ed. Explorations – Humanities.

MDST 200 Multimedia Design F, S* 3 CR
This course combines development of practical skills creating multimedia projects primarily for the world wide web, with an exploration of key design considerations, drawing upon diverse fields of visual media and computer programming. Students will begin by learning basic web markup language to create interactive multimedia projects. Students will also engage various practical and aesthetic problems of design and learn to evaluate work in terms of evolving and emerging design standards and principles. *Alternates with MDST 300 every third semester.

MDST 202 Media Perspectives S 3 CR
Media systems exist within specific contexts and perspectives that are dynamic and evolving. In this course students will explore important dimensions of media systems to uncover historical developments and trends, economic structures and organization, legal and regulatory issues, and issues of social responsibility in the media. This course will
focus on a specific aspect or dimension of media that may vary from semester to semester, but always from the vantage of understanding the historical contexts of media in relation to legal, economic, ethical, and social perspectives and pressures.

Prerequisite: MDST 102.

MDST 205 Reporting  
**F, S**  
3 CR  
In this course, students develop journalistic writing skills in formats such as news writing, feature writing, editorial writing, and in-depth reporting. Students will study such topics as news values, objectivity, audience, information gathering, civic responsibility, and journalism ethics. Additionally, they will investigate the roles and responsibilities of journalists in contemporary American society in order to become critically aware of the media messages they consume and create.

MDST 215 Introduction to Radio  
**F**  
3 CR  
This course introduces students to the history and current business practices of commercial radio. The course introduces students to radio production and on-air performance techniques and technologies. Requirements include programming participation in KBVU-FM, 97.5 The Edge.

MDST 250 Introduction to Advertising  
**F*, S**  
3 CR  
An introduction to advertising designed to provide a deeper understanding of the role of advertising as a communication process in the marketplace, and to provoke inquiry as to the impact it has on economy and culture. This course examines the history of advertising, problems and challenges in advertising, and provides a basic introduction to creation of advertising with hands-on experience while offering approaches to decoding and critiquing the messages of advertising. Same as CPER 250. *Alternates with MDST 350 every third or fourth semester.

MDST 272 Introduction to Public Relations  
**F, S**  
3 CR  
The course explores the impact of public relations functions, programs and techniques. Historical and current issues are identified using defined strategies and tactics. The students learn the basic process of public relations: research, planning formulas, communication, and evaluation. Course study revolves around the foundation of business relationships in different career fields. Same as CPER 272.

MDST 279 Photography  
**F, S**  
3 CR  
This course explores the creative practices and historic traditions of film-based black and white photography. Students achieve foundational skills in black and white photography, express themselves creatively using a 35mm camera, and develop an appreciation for the black and white photograph through lab work, on-location photography, in-class critique, discussion, lecture, and library research. An adjustable 35mm camera is required for this introductory-level course. Same as ART 279. *Alternates with MDST 379 every third semester.

MDST 281 Electronic Media Production  
**F, S**  
3 CR  
The course provides students an opportunity to have a “hands-on” experience in audio and video production. Students work to develop a critical attitude towards the electronic profession as a source of media messages. Students are introduced to audio & video technology and professional production techniques with an emphasis on basic shooting, recording, and editing principles. Coursework includes production exercises using professional video and audio equipment in studio and field situations. *Alternates with MDST 381 every third semester.

MDST 295 Media Practicum  
**F, S**  
3 CR  
The Media Studies practicum permits supervised participation in one of the three campus media: KBVU, The Tack, or University Cable Network. The practicum is arranged with one of the three co-curricular media advisors, typically after the first
collegiate year. The practicum requires a significant commitment of time and responsibility in the weekly planning and production of media programming. The practicum may not be repeated for credit. Prerequisites: MDST 102 & MDST 205 and permission of Co-curricular media advisor.

MDST 300 Digital Design Studio * 3 CR
In this course, students will face the challenges associated with designing complex multimedia, including the theory and use of animation, advanced interactivity, user interfaces, and delivery platforms. Emphasis will be placed on exploring creative expression in multimedia formats and venues and the intersection of aesthetic and practical consideration in project design. *Alternates with MDST 200 every third semester. Prerequisite: MDST 200.

MDST 302 Media and Cultural Studies F 3 CR
This course is an introduction to theories, critical methodologies, and approaches to analyzing and evaluating the relationship of media systems and media texts to social and cultural practice, values, and institutions. Students will survey a range of various media and social theorists, critics, and scholars to develop a solid vocabulary and syntax for critical evaluation and reflection on the various roles media plays in contemporary life. Prerequisite: MDST 102.

MDST 305 Advanced Media Writing S 3 CR
This course is a writing workshop which varies its topic. The course considers media writing styles, movements, and techniques used in media areas such as newspapers, magazines, broadcast journalism, screenwriting, advertising, public relations, and converged media formats. Students not only practice the style but also consider the historical and cultural reasons for its development and evaluate their own and others’ work in the movement. The specific topic for the course is noted each semester the course is offered in the course listings. This course can be repeated for a maximum of six hours. No more than three credit hours may be counted toward the minor. Prerequisite: MDST 205.

MDST 315 Advanced Radio Studies ALT S 3 CR
This course advances the study of current commercial radio business practices. The course advances the study of radio production and on-air performance techniques and technologies. Requirements include programming participation in KBVU-FM, 97.5 The Edge. Prerequisite: MDST 215.

MDST 350 Advanced Advertising * 3 CR
This course builds on fundamental concepts outlined in MDST 250. Students further their thinking about advertising and its functions within contemporary American society and into the global marketplace. Through their examinations, students will develop greater critical appreciation for the various advertising forms which both reflect and shape culture, identity, and everyday environments. Students will understand the hands-on practical needs of developing a campaign, with “creation” of advertisements in print/audio/video as a core thrust. *Alternates as needed with CPER 250/MDST 250. Prerequisite: MDST 250.

MDST 376 Public Relations Campaigns S 3 CR
This is a service learning course. Students develop a coherent public relations campaign framework that can be used on current situations and issues. Emphasis is placed on field research techniques, campaign strategies, tactics, and evaluation to determine the nature and success of campaign designs. The class is divided up into PR teams using analytical skills to understand message impact on internal and external audiences. Students produce, design, and implement a specific public relations campaign for an actual client. Same as CPER 376. Prerequisite: MDST/CPER 272.
MDST 379  Advanced Photography  
This topics course varies its emphasis from semester to semester. The topics offer a variety of photographic perspectives, techniques, and technologies, with a full-semester emphasis on the following (among others): historic alternative photographic processes, digital imaging & new technology, photojournalistic/documentary projects, conceptual photographic art, and the personal project. The specific topic is noted each semester in the course listings. Topics in still photography may be repeated for a maximum of six elective hours within the major. No more than three hours may be counted toward the minor. *Alternates with ART 279/MDST 279 every third semester. Prerequisite: MDST 279.

MDST 381  Advanced Electronic Media Production  
This is a continuation of the Electronic Media Production course. It is an exploration of advanced video and audio production techniques including lighting, sound, editing, visual/sound effects, and videography. Students write, shoot, and edit using producing and directing skills in the field of audio and video. Students gain professional production skills using the “effect-to-cause” model for effective storytelling. Prerequisite: MDST 281. *Alternates with MDST 281 every third semester.

MDST 397  Film Studies  
Film Studies focuses on techniques for critical reading of narrative film texts, both contemporary and historical. The course approaches film as a system for creating, distributing, and producing meanings; and engages methods for serious film analysis within historical, social, and economic contexts. Students will develop their own critical analyses of a variety of films including classic Hollywood, independent, and foreign cinema. Gen. Ed. Explorations – Humanities.

MDST 402  Issues & Investigations  
This is a senior capstone experience for media studies majors with junior standing or above. The course is a critical investigation of a current media issue, requiring a major research paper, a group presentation, or a creative media production. This issues-based experience requires primary research and student production that is both critical and expressive. Prerequisites: MDST 302.

MDST 472  Professional Portfolio  
Within the portfolio project, media studies majors are required to reflect on their academic development, professional goals, and media skills. Students work with media studies faculty members in a four-year process of archiving materials produced in media studies coursework. This archive, which is created on-line, serves a resource for the construction of a professional portfolio appropriate to students' career plans and interests. P/NC grading. Prerequisites: Senior status and 21 credit hours in media studies.

MDST 495  Internship  
Students will work in a professional media area of their interest to develop and articulate career goals and develop the necessary career preparation to achieve those goals. An internship is designed as an application of theory and practice. A professional portfolio is required for acquiring an internship. The portfolio contains a resume, plus media works, accomplishments, projects, and writings. P/NC grading. Repeatable for credit. Prerequisites: Junior standing and MDST 295, permission of the instructor.

MUSIC (MUSC)  
MUSC 101  Music Appreciation  
An introductory course encouraging increased understanding of all types of music in relation to historical changes and societal developments. Students gain experience
listening to significant literature and examining the basic components that contribute to creating compositions. Gen. Ed. Explorations - Arts.

**MUSC 103**  
**Jazz Appreciation**  
S  
3 CR  
An introductory course which gives the student the tools for creative listening. It encourages an appreciation and enjoyment of jazz with an emphasis on understanding through listening. Gen. Ed. Explorations - Arts.

**MUSC 106**  
**Music Fundamentals I**  
F  
2 CR  
An introductory course that places particular emphasis on the basic skills of reading and writing music. Areas covered include: notation, time and rhythm reading. It is geared to the student with little or no prior knowledge of music. Music production majors will take a diagnostic exam to determine their music theory knowledge for possible consideration to waive this course requirement in their major.

**MUSC 107**  
**Music Fundamentals II**  
S  
2 CR  
A continuation of MUSC 106. More advanced skills of reading and writing music are studied. Basic Ear Training is also introduced. Prerequisite: MUSC 106 with a grade of “C” or better.

**MUSC 110**  
**Studio Production & Technology I**  
F  
3 CR  
This course introduces the student to recording with digital tools. It provides technical training in recording, from setup to mix-down. Also covered are recording studio configurations, speaker placement, monitor mixes, and basic acoustics. Each week there will be a different topic such as pre/post production, sound recording digital editing, MIDI, and basic aspects of producing.

**MUSC 111**  
**Music Theory I**  
F  
4 CR  
A study of the fundamental principles of traditional harmony which include time, rhythms, notes/values, intervals, scales, key signatures, and triads. The ear training component will study intervals recognition and rhythm dictation.

**MUSC 112**  
**Music Theory II**  
S  
4 CR  
A continuation of MUSC 111. Principles covered will include four-part writing and analysis, non-chord tones, and modulations. The ear training component will study chord recognition, harmonic progressions, and sight-singing. Prerequisite: MUSC 111 with a grade of “C” or better.

**MUSC 115**  
**Studio Production & Technology II**  
S  
3 CR  
This course is a continuation of where MUSC 110 leaves off. Students will be exposed to more advanced mixing and mastering techniques including parallel compression, understanding reverb parameters as well as discussing EQ techniques in mastering. Students will be able to hear and discuss the different mixes of their classmates. Prerequisite: MUSC 110.

**MUSC 121**  
**Diction in Foreign Languages**  
ALT S  
2 CR  
A study in pronunciation and basic vocabulary using IPA Phonetics for German, Italian, Latin, and French.

**MUSC 122**  
**Concert Choir**  
F, S  
0-1 CR  
Open to all students interested in singing in large ensemble. Rehearsals or sectionals 5 days per week; two performances per semester. Wide range of literature performed. Admission by permission of director. May be repeated for credit.

**MUSC 123**  
**Vista Chamber Singers**  
F, S  
0-.5 CR  
Meets three times per week. First semester: Madrigal Dinner presentation. Second semester: Jazz Show presentation. May be repeated for credit. Co-requisite: MUSC 122 and vocal audition or permission of director.
MUSC 127  **Concert Band**  F, S  0-1 CR
Open to all students who play band instruments. Three rehearsals per week with two performances. Traditional to contemporary band literature performed. Admission by audition or permission of director. May be repeated for credit.

MUSC 129  **Instrumental Ensemble**  F, S  0-.5 CR
For small group ensembles as organized by music faculty. Admission by audition or permission of director. May be repeated for credit.

MUSC 130  **Jazz Band**  F, S  0-.5 CR
Study and performance of various jazz idioms and styles. May be repeated for credit. *Co-requisite: MUSC 127, and permission of director.*

MUSC 136  **Class Voice**  F  1 CR
A group voice experience for non-major beginning singers. The technical considerations of breath, range, and appropriate repertoire for those desiring more individual vocal experience will be studied.

MUSC 139  **Jazz Improvisation**  F  0-1 CR
An introductory course which gives the student tools for creative improvisational concepts. Major, minor, whole tone, and blues scales will be covered during the course. Also included will be melodic minor and melodic major, and bebop, jazz scales. Basic format for solo building will be discussed. The students will actively participate by playing their instruments in the class. May be repeated for credit. *Prerequisite: Consent of instructor.*

MUSC 188  **Class Piano I for Non-Music Majors**  F  1 CR
A piano lab class designed for the non-music major having had no piano background who wants to learn the basics of keyboard playing.

MUSC 189  **Class Piano II for Non-Music Majors**  S  1 CR
A continuation of MUSC 188. *Prerequisite: MUSC 188.*

MUSC 192  **Class Piano I for Music Majors**  F  2 CR
The piano lab class is geared to help the student pass the required piano proficiency exam. A diagnostic Piano Exam will be given the first week. Depending on the results of the exam, students will remain in MUSC 192 or be placed in MUSC 193 or MUSC 194. *This course is required for all first semester music majors. Must earn a grade of “C” or better.*

MUSC 193  **Class Piano II for Music Majors**  S  2 CR
A continuation of MUSC 192. Students will register for this course in the semester immediately following completion of MUSC 192. Must earn a grade of C or better. *Prerequisite: MUSC 192 with a grade of “C” or better or placement as determined by a diagnostic exam. Students will complete MUSC 194 immediately upon completion of MUSC 193.*

MUSC 194  **Piano Proficiency**  F, S  0 CR
Piano Proficiency is required of all music majors. Skills tested include: major/minor scales, harmonization, transposition and solo literature. Vocal majors will also be required to accompany and play voice parts from a vocal score. Students are expected to complete this requirement in the second semester as a music major.

MUSC 203  **Instrumental Techniques - Woodwinds**  ALT S  2 CR
Class instruction in the fundamentals of playing and teaching flute, clarinet, saxophone, oboe, and bassoon.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Schedule</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC 204</td>
<td>Instrumental Techniques - Brass</td>
<td>ALT S</td>
<td>2 CR</td>
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<td>Class instruction in the fundamentals of playing</td>
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<td>and teaching trumpet, horn, trombone, tuba, and</td>
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<td>other related brass instruments.</td>
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<td>MUSC 207</td>
<td>Instrumental Techniques - Percussion</td>
<td>ALT F</td>
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<td>Class instruction in the fundamentals of playing</td>
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<td>and teaching snare drum, mallets, timpani, trap</td>
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<td>set, and other related percussion instruments.</td>
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<td>MUSC 211</td>
<td>Music Theory III</td>
<td>F</td>
<td>3 CR</td>
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<td>The study of the advanced principles of</td>
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<td>harmonic progression. Areas covered will</td>
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<td>include fugue style of J. S. Bach, harmonic</td>
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<td>practices of the classical period, 18th Century</td>
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<td></td>
<td>variation techniques, Neapolitan 6th and</td>
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<tr>
<td></td>
<td>augmented chords, mode mixture, and chromatic</td>
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<td></td>
<td>3rd relationships. Prerequisite: MUSC 112</td>
<td></td>
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<tr>
<td></td>
<td>with a “C” or above grade.</td>
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<tr>
<td>MUSC 212</td>
<td>Music Theory IV</td>
<td>S</td>
<td>3 CR</td>
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<tr>
<td></td>
<td>A continuation of MUSC 211. Areas covered will</td>
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<tr>
<td></td>
<td>include expanded tonicization &amp; harmonic</td>
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<td></td>
<td>sequence of classical and romantic periods,</td>
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<td></td>
<td>early 20th Century tonal music, intervallic</td>
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<td></td>
<td>organization, serial procedures, set theory,</td>
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<td></td>
<td>and an introduction to Schenkerian Analysis.</td>
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<td></td>
<td>Prerequisites: MUSC 211 with a “C” or above</td>
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<td>grade.</td>
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<tr>
<td>MUSC 300</td>
<td>Producing Music with Digital Software</td>
<td>F</td>
<td>3 CR</td>
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<tr>
<td></td>
<td>This course presents a broad overview of selected</td>
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<td></td>
<td>mixing and mastering software, and the</td>
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<td></td>
<td>techniques to operate it effectively. The</td>
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<td></td>
<td>course covers sampling, sound design and</td>
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<td></td>
<td>sequencing basics, and guides the student from</td>
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<td></td>
<td>the fundamentals of mixing and mastering to</td>
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<td></td>
<td>more advanced problem solving techniques that</td>
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<td></td>
<td>will improve overall music productions.</td>
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<tr>
<td>MUSC 307</td>
<td>Music History and Literature I</td>
<td>F</td>
<td>3 CR</td>
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<tr>
<td></td>
<td>A study of the chronological development of</td>
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<tr>
<td></td>
<td>music from Greek origins to Classical Period</td>
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<tr>
<td></td>
<td>using sequential introduction of significant</td>
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<td></td>
<td>music literature and composers. Survey</td>
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<td></td>
<td>material and listening identification will</td>
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<td></td>
<td>augment student research and presentations on</td>
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<td></td>
<td>genre, styles, and context.</td>
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<tr>
<td>MUSC 308</td>
<td>Music History and Literature II</td>
<td>S</td>
<td>3 CR</td>
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<tr>
<td></td>
<td>Continuation of study into chronological</td>
<td></td>
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<td></td>
<td>development of music from Classical Period to</td>
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<td></td>
<td>present with focus on styles of music</td>
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<tr>
<td></td>
<td>literature and listening. Prerequisite: MUSC</td>
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<td>307.</td>
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<tr>
<td>MUSC 321</td>
<td>Conducting I</td>
<td>ALT F</td>
<td>2 CR</td>
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<tr>
<td></td>
<td>The art of conducting is one of the most</td>
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<td></td>
<td>complex and demanding activities in the realm</td>
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<td></td>
<td>of music. This class is designed to give the</td>
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<td></td>
<td>student technical tools necessary to be a</td>
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<td></td>
<td>success on the podium. Conducting fundamentals</td>
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<tr>
<td></td>
<td>learned include beat patterns, cuing, and</td>
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<td></td>
<td>baton technique.</td>
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<tr>
<td>MUSC 322</td>
<td>Conducting II</td>
<td>ALT S</td>
<td>2 CR</td>
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<tr>
<td></td>
<td>Expansion of conducting experiences with</td>
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<td></td>
<td>emphasis on performance preparation. Concentrations</td>
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<td></td>
<td>include musical expressiveness, rehearsal</td>
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<td></td>
<td>organization, and score study related to</td>
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<td></td>
<td>choral, instrumental, and combined ensembles.</td>
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<td></td>
<td>Prerequisite: MUSC 321.</td>
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<tr>
<td>MUSC 350</td>
<td>Understanding the Music Industry</td>
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<td>3 CR</td>
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<td></td>
<td>This course presents a broad overview of the</td>
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<td></td>
<td>recording and music industry, and explains how</td>
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<td></td>
<td>the various segments operate on a day-to-day</td>
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<td></td>
<td>basis: where monies are generated, who the</td>
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<td></td>
<td>key players are, how deals are made and broken,</td>
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<td></td>
<td>how to protect your interests, new</td>
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<td>developments in digital technology, and career</td>
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<td></td>
<td>planning and preparation.</td>
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<td>MUSC 400</td>
<td>Producing, Sampling, and MIDI Sequencing</td>
<td>S</td>
<td>3 CR</td>
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<tr>
<td></td>
<td>The student will master the creative tools and</td>
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<td></td>
<td>techniques required to remix and produce</td>
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<td></td>
<td>contemporary styles, including hip-hop,</td>
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<td></td>
<td>industrial pop/rock, and house music. The</td>
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</tbody>
</table>
student will know how to compile live sets from audio clips, loops, or samples in real time.

**MUSC 490**  
**Recital**  
*F, S*

The recital is designed as the capstone performance for music majors and minors. Students may elect to perform two half-recital programs over a two-semester period or one full recital.

**MUSC 495**  
**Internship**  
*Variable CR*

An intensive, supervised work experience in a discipline related work environment related to music performance. P/NC grading. Repeatable for credit. **Prerequisite:** Approval of supervising faculty member.

**PRIVATE LESSONS**  
*F, S*  
*1 CR*

Individual instruction for music majors and non-music majors. 100-400 level in the following applied areas: woodwind, brass, strings, percussion, organ, voice, piano, organ. Course numbering is dependent on the student’s number of semesters of study in that area. For example, a student in the first semester of study in woodwind would register for 141, in the fourth semester of study would register for 242. This numbering does not necessarily reflect the semester of the student’s study in the university (i.e., a senior-level student taking woodwind for the first time would register for 141).

**Woodwind:**

- MUSC 141 – 1st Semester, MUSC 142 – 2nd Semester, MUSC 241 – 3rd Semester,  
- MUSC 242 – 4th Semester, MUSC 341 – 5th Semester, MUSC 342 – 6th Semester,  
- MUSC 441 – 7th Semester, MUSC 442 – 8th Semester

**Brass:**

- MUSC 143 – 1st Semester, MUSC 144 – 2nd Semester, MUSC 243 – 3rd Semester,  
- MUSC 244 – 4th Semester, MUSC 343 – 5th Semester, MUSC 344 – 6th Semester,  
- MUSC 443 – 7th Semester, MUSC 444 – 8th Semester

**Strings:**

- MUSC 145 – 1st Semester, MUSC 146 – 2nd Semester, MUSC 245 – 3rd Semester,  
- MUSC 246 – 4th Semester, MUSC 345 – 5th Semester, MUSC 346 – 6th Semester,  
- MUSC 445 – 7th Semester, MUSC 446 – 8th Semester

**Percussion:**

- MUSC 147 – 1st Semester, MUSC 148 – 2nd Semester, MUSC 247 – 3rd Semester,  
- MUSC 248 – 4th Semester, MUSC 347 – 5th Semester, MUSC 348 – 6th Semester,  
- MUSC 447 – 7th Semester, MUSC 448 – 8th Semester

**Organ:**

- MUSC 151 – 1st Semester, MUSC 152 – 2nd Semester, MUSC 251 – 3rd Semester,  
- MUSC 252 – 4th Semester, MUSC 351 – 5th Semester, MUSC 352 – 6th Semester,  
- MUSC 451 – 7th Semester, MUSC 452 – 8th Semester

**Voice:**

- MUSC 161 – 1st Semester, MUSC 162 – 2nd Semester, MUSC 261 – 3rd Semester,  
- MUSC 262 – 4th Semester, MUSC 361 – 5th Semester, MUSC 362 – 6th Semester,  
- MUSC 461 – 7th Semester, MUSC 462 – 8th Semester

**Piano:**

- MUSC 171 – 1st Semester, MUSC 172 – 2nd Semester, MUSC 271 – 3rd Semester,  
- MUSC 272 – 4th Semester, MUSC 371 – 5th Semester, MUSC 372 – 6th Semester,  
- MUSC 471 – 7th Semester, MUSC 472 – 8th Semester
PHILOSOPHY (PHIL)

PHIL 100 Introduction to Philosophy F 3 CR
A survey of the perennial problems of human thought, using texts from a wide variety of traditions and historical periods, in order to think about philosophy as a kind of method or practice, not merely for thinking well, but for living the best sort of human life. Gen. Ed. Explorations – Humanities.

PHIL 110 Ethics S 3 CR
A study of the many forms in which human beings encounter or conceive of the Good. Includes discussions about the nature of values, attempts to imagine solutions to contemporary and historical moral problems across various cultures, and visions of social transformation by reflection and action. Gen. Ed. Explorations – Humanities.

PHIL 130 Logic F 3 CR
Deals with the order of reason in human languages, the structure of arguments, and the methods used to determine the strengths and weaknesses of our reasoning processes. Course may include both formal (symbolic) and informal elements. Gen. Ed. Explorations – Humanities.

PHIL 230 Studies in Philosophy AN 3 CR
Focus on a single problem or subject of central concern to philosophy. Topics will vary, possibly including Human Self and Animal Other; The Good and the Beautiful; Knowledge and Reality; Language, Mind, and Meaning; Morality and the Law. May be repeated for credit if a different topic. Gen. Ed. Explorations – Humanities.

PHIL 240 Philosophy of Religion ALT S 3 CR
An introduction to the central metaphysical, epistemological, linguistic, ethical, and logical problems that confront the philosopher who studies religion. Attention will be paid to such issues as the nature and existence of the divine, the possibility and character of faith, the relationship between reason and religious belief, evil and suffering, and what it means to be human and to live well. Gen. Ed. Explorations – Humanities.

PHIL 321 Women in Philosophy and Religion AN 3 CR
Subtitles will vary. An in-depth study of figures, works, or movements focused on women’s engagement with the world. Possible topics include Feminist Theory; Woman Spirit; Women in World Religions; Women in Religious Literature; Women in Philosophy; and Feminist Theology. May be repeated for credit if a different topic. May be cross-listed with RELI 321, depending on course content. Gen. Ed. Explorations – Humanities.

PHIL 335 Topics in Ethics AN 3 CR
Subtitles will vary. An in-depth study of ethical perspectives or a selected area of moral concern. Possible topics include bioethics; business and professional ethics; queer ethics; science, technology, and society; sexual ethics; and comparative religious ethics. May be repeated for credit if a different topic. May be cross-listed with RELI 335, depending on course content. Gen. Ed. Explorations – Humanities.

PHIL 340 Environmental Ethics ALT S 3 CR
An in-depth study of ethical problems related to the environment, including global warming, ozone depletion, overpopulation, overconsumption, pollution and toxic wastes, etc. This class will examine the history of philosophical and religious thinking about the environment; biocentric, ecocentric, deep ecology, and ecofeminist perspectives; obligations to future generations; animal rights; non-Western perspectives; economic growth, global justice and sustainability. May be cross-listed with RELI 340, depending on course content. Gen. Ed. Explorations – Humanities.
<table>
<thead>
<tr>
<th>COURSE DESCRIPTIONS</th>
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<tr>
<td><strong>PHIL 350</strong> Major Figures in Philosophy  AN  3 CR</td>
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<tr>
<td>Focus on individual philosophers whose thought remains central to philosophy. The</td>
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<tr>
<td>course involves close reading of primary texts. Possible thinkers/subjects include</td>
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<td>Plato; Kant; Hegel and After; Kierkegaard; Nietzsche; Wittgenstein; Simone de</td>
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<tr>
<td>Beauvoir and Simone Weil; and the Frankfurt School. May be repeated for credit if</td>
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<tr>
<td>a different topic.</td>
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<td><strong>PHIL 361</strong> Racism and Sexism in American Life  F  3 CR</td>
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<tr>
<td>An examination of the problems of racial oppression, the quest of women and</td>
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<tr>
<td>minorities for equality, the structural arrangements of our society. Same as SCWK</td>
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<tr>
<td>361 and SOCI 361. <strong>Gen. Ed. Explorations – Humanities.</strong></td>
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<tr>
<td><strong>PHIL 380</strong> Topics in the History of Philosophy  ALT F  3 CR</td>
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<tr>
<td>Focus on a particular historical period or movement in philosophy and its unique</td>
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<td>philosophical questions. Topics vary, and may include Ancient Greek Philosophy;</td>
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<td>Medieval Philosophy; Early Modern Philosophy (from Descartes to Kant); 19th Century</td>
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<td>Philosophy; Existentialism; 20th Century Analytic or Continental Philosophy; and</td>
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<tr>
<td>Postmodernism. May be repeated for credit if a different topic.</td>
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<tr>
<td><strong>PHIL 495</strong> Internship  Variable CR</td>
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<tr>
<td>An intensive, supervised work experience in a discipline related work environment.</td>
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<tr>
<td>P/NC grading. Repeatable for credit. <strong>Prerequisite: Approval of supervising faculty</strong></td>
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<tr>
<td>member.</td>
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<tr>
<td><strong>PHIL 498</strong> Senior Capstone  S  3 CR</td>
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<td>Advanced philosophy and religion students will reflect upon and integrate several</td>
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<td>different subfields in the discipline. Requirements involve the reading of original</td>
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<td>sources, examining historical developments, writing critically, development of a</td>
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<td>portfolio, and oral presentations. <strong>Prerequisites: Senior standing and philosophy and religion major status.</strong></td>
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<td><strong>PHYSICAL EDUCATION</strong></td>
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<td>See listings under Exercise Science.</td>
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<td><strong>PHYSICS (PHYS)</strong></td>
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<td><strong>PHYS 201</strong> General Physics I: Trigonometry-Based  F  4 CR</td>
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<tr>
<td>A treatment of mechanics, waves, and thermodynamics for premedical, chemistry, math,</td>
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<tr>
<td>and computer science majors. Three lectures and one three-hour laboratory period.</td>
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<tr>
<td>**Prerequisites: Knowledge of algebra and trigonometry. **Gen. Ed. Explorations –</td>
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<tr>
<td>Science.</td>
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<tr>
<td><strong>PHYS 202</strong> General Physics II: Trigonometry-Based  S  4 CR</td>
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<tr>
<td>A treatment of electricity, magnetism, light, and a survey of modern physics.</td>
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<tr>
<td>Continuation of PHYS 201. Three lectures and one three-hour laboratory period. **Gen.</td>
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<tr>
<td>Ed. Explorations – Science. <strong>Prerequisite: PHYS 201.</strong></td>
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<tr>
<td><strong>PHYS 211</strong> General Physics I: Calculus-Based  F  4 CR</td>
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<tr>
<td>A treatment of mechanics, waves, and thermodynamics for physics, engineering,</td>
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<tr>
<td>chemistry, math, and computer science majors. Three lectures and one three-hour</td>
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<tr>
<td>laboratory period. **Gen. Ed. Explorations – Science. **Prerequisite: MATH 160 or</td>
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<tr>
<td>concurrent enrollment in MATH 160.</td>
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<tr>
<td><strong>PHYS 212</strong> General Physics II: Calculus-Based  S  4 CR</td>
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<tr>
<td>A treatment of electricity, magnetism, light, and a survey of modern physics. Three</td>
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<tr>
<td>lectures and one three-hour laboratory period. <strong>Prerequisites: PHYS 211, MATH 161 or concurrent enrollment in MATH 161.</strong></td>
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**PHYS 310 Mechanics**  
**ALT F**  
3 CR  
An applied mathematics course employing calculus in the study of kinematics, force, motion of particles, work, energy, and related topics. Three lectures. **Prerequisites:** PHYS 212 and MATH 161.

**PHYS 353 Thermodynamics**  
**F**  
3 CR  
This course is the same as CHEM 353 Physical Chemistry I. See CHEM 353 for a description. **Prerequisites:** PHYS 212 and MATH 161.

**PHYS 361 Modern Physics**  
**ALT F**  
3 CR  
Topics discussed include: black body radiation, wave/particle duality, Schrodinger wave equation, atomic physics, nuclear physics, and particle physics. **Prerequisites:** PHYS 212 and MATH 161.

**PHYS 365 Modern Physics Lab**  
**ALT F**  
2 CR  
This course extends the inquiry of modern physics into the laboratory. One hour lecture and one three hour lab period. **Prerequisite:** PHYS 361.

**PHYS 370 Quantum Mechanics**  
**ALT S**  
3 CR  
An introduction to the study of modern physics topics utilizing the methods of quantum mechanics. Topics include wave functions, operators, the Schrodinger equation, the harmonic oscillator, the hydrogen atom, angular momentum, and perturbation theory. **Prerequisites:** PHYS 212, MATH 361 or concurrent enrollment in MATH 361.

**PHYS 380 Theoretical Electricity and Magnetism**  
**ALT S**  
3 CR  
A theoretically rich course dealing with the nature of electricity and magnetism. **Prerequisites:** PHYS 212, MATH 361 or concurrent enrollment in MATH 361.

**PHYS 390 Computational Physics**  
**ALT S**  
3 CR  
An introduction to the technique of applying computers, both serial and parallel, and numerical methods to the solving of physical problems in science and engineering. Specific topics include finite difference methods, Monte Carlo simulations, boundary value problems, and N-body simulations. This course is useful to the physicist, engineer, and computer scientist. **Prerequisites:** PHYS 212 and CMSC 201.

**PHYS 495 Internship**  
**Variable CR**  
An intensive, supervised work experience in a discipline related work environment. P/NC grading. Repeatable for credit. **Prerequisite:** Approval of supervising faculty member.

**PHYS 498 Seminar**  
**F, S**  
1 CR  
Designed for advanced students, this course develops literature search and oral and written communication skills. Repeatable for credit. **Prerequisite:** Senior status or consent of instructor.

**POLITICAL SCIENCE (PSCN)**

**PSCN 110 Introduction to American Government**  
**F, S**  
3 CR  
A survey of the institutions, actors, ideologies, and processes characterizing the American polity. Course readings include selections from a standard American government text and, typically, classic works of 18th and 19th century political thinkers. Debates, discussions, and simulations are employed routinely to enhance rhetorical skills and increase familiarity with contemporary political issues. **Gen. Ed. Explorations – Social Science.**
PSCN 115 Introduction to Politics ALT F 3 CR
Involves carefully structured examinations of political life in its various dimensions. Particular attention is paid to non-traditional modes of political participation. The final phase of the course includes introductory lectures on the major streams of scholarly inquiry in contemporary political science and an initial consideration of various methodologies employed in the study of political life. The majority of classroom sessions follow a seminar format. Gen. Ed. Explorations – Social Science.

PSCN 205 Introduction to Political Philosophy ALT S 3 CR
Students undertake a survey of key writings in the ancient, medieval, and modern bibliographies. Course readings are selected from the works of Plato, Aristotle, St. Augustine, St. Thomas Aquinas, Machiavelli, Hobbes, Locke, Rousseau, Mill, Marx, Hayek, and Rawls. Readings are selected for their potential to produce enlightened answers to the normative question “How ought persons to live together?” Course readings and discussions are especially useful to students seeking familiarity with basic principles of formal logic. Most classroom sessions are highly interactive and follow a seminar format.

PSCN 240 Judicial Process ALT S 3 CR
A detailed examination of the structure and processes that characterize American state and federal judicial systems. Significant attention is directed to America’s common law heritage and decision making in common law courts. In-depth examination of the role of the United States Supreme Court in American politics precedes several lectures dedicated to comparative analysis of civil law systems.

PSCN 245 Introduction to American Law F 3 CR
A survey of the law of civil procedure, torts, property, contracts, employment, and domestic relations. Also included are brief introductions to administrative law, criminal law, criminal procedure, and legal research and writing. Several discussions address the development of the law of equity and various common law remedies. Students also examine the role of the bench and bar in shaping public policy. Gen. Ed. Explorations – Social Science.

PSCN 310 Comparative Politics AN 3 CR
A survey of global variations in political culture, policy making processes, and institutional structure as each accounts for differences in internal development and domestic policy making. Particular attention is paid to the uneven pace of democratic transitions in the international community. Students enjoy an optimal combination of lecture sessions, discussions, and student presentations. This course is especially rewarding to students planning foreign travel or study.

PSCN 315 International Relations ALT F 3 CR
A survey of major theoretical perspectives in the international relations field. Significant effort is directed toward the concept of security in the 21st century. Additional objects of inquiry include China and the developing economies of Asia, the role of non-governmental organizations (NGOs) in shaping international affairs, and economic globalization. Some attention is directed to the issues of inter-state conflict over natural resources and threats to international stability posed by pandemic infectious diseases.

PSCN 400 Pre-Professional Seminar AN 3 CR
This seminar-format, capstone course is taken by all political science majors during their final year of baccalaureate study. This course deepens students’ awareness of the major streams of scholarly inquiry in the political science discipline and enhances methodological skills. Each student prepares a unique, original contribution to the enterprise of modeling and understanding political life. Prerequisites: Political science major and senior status.
PSCN 460 Constitutional Law  ALT F  3 CR
Using the case-analysis method of instruction, this course involves in-depth examination of important historical shifts in constitutional doctrine as applied to the subjects of judicial review, legislative power, executive authority, federalism, and separation of powers. Particular attention is directed at 19th and early 20th century U.S. Supreme Court decisions regarding economic and property rights. A principle feature of the course is a full exploration of the various modes of constitutional interpretation and the ways in which each is employed to justify votes on the merits in key decisions. 

Prerequisite: PSCN 110 or permission of the instructor.

PSCN 465 Civil Liberties  ALT S  3 CR
A focused consideration of U.S. Supreme Court decisions in the areas of free speech, assembly, press, and religion. In-depth analysis of key decisions concerning the right to privacy and equal protection are followed by examinations of voting rights. Using the case analysis method, students enjoy opportunities to draft their own original judicial opinions and develop argumentation skills via a Supreme Court simulation. 

Prerequisite: PSCN 110 or consent of the instructor.

PSCN 485 Special Topics in Political Science  AN  3 CR
Offered on a periodic basis, this course is designed for focused exploration of one or more subfields in the political science discipline. Possible course topics include political psychology, women and politics, legislative behavior, the American presidency, judicial politics, U.S. Supreme Court decision making, advanced research methods, and other subjects depending on student interest. Students may repeat course as new topics are offered. Prerequisite: PSCN 110.

Special Topics: Legal Reasoning  3 CR
An analysis of the nature of reasoning and legal reasoning, with emphasis upon developing critical thinking abilities. Topics include the nature and elements of reasoning, statutory, common law, and constitutional reasoning and reasoning by example with precedent. Offered only at specific BVU Professional & Online Studies locations.

Special Topics: Debtor/Creditor  3 CR
Explore the laws of debtor/creditor and bankruptcy. Topics will also include collection, fair debt, and collection practices. Offered only at specific BVU Professional & Online Studies locations.

Special Topics: Legal Ethics  3 CR
Legal Ethics is primarily a readings course focusing on application of ethical doctrines to the American legal system. Offered only at specific BVU Professional & Online Studies locations.

Special Topics: American Political Institutions  3 CR
The origins and development of American Political Institutions in their historical context as well as by custom, legal change and usage. Students will examine the various institutions, critically analyze and evaluate past and present application, and develop hypotheses regarding the prospects for the 21st century. Offered only at specific BVU Professional & Online Studies locations.

PSCN 490 Washington Center Internship Program  F, S  3-12 CR
The Washington Center Internship Program provides students with a professional development opportunity in Washington, D.C. Students wishing to participate in the Washington Center program may apply for internship openings in a variety of professional settings. Following admission to the Washington Center, participating students register for 12 hours of BVU credit. P/NC grading. Not repeatable for credit.
Prerequisite: Consent of the political science department liaison to the Washington Center.

PSCN 495 Political Science Internship Variable CR
In consultation with Political Science faculty, students engage in a closely supervised, experiential learning opportunity in a private, not-for-profit, or public organization. Students are called upon to demonstrate communication, analytical, and problem-solving skills acquired in the political science major. P/NC grading. Not repeatable for credit. Prerequisites: Political science major, junior status, and consent of the instructor.

PSYCHOLOGY (PSYC)

PSYC 100 General Psychology F, S 3 CR
A broad introduction to the field of psychology with an emphasis on the experimental study of behavior. The course will focus on theories, methods, and phenomena along with the history of the discipline. Gen. Ed. Explorations – Social Science.

PSYC 201 Child Development AN 3 CR
Theoretical and empirical perspectives on development from the prenatal period through adolescence will be addressed. The practical application of theory and research will also be stressed. Prerequisite: PSYC 100.

PSYC 203 Social Psychology S 3 CR
This course is an introduction to theories and research methods in the field of social psychology. Classical and contemporary theories pertaining to self, person, and group perceptions, interpersonal attraction, social cognition, attitudes, conformity, obedience, altruism, aggression, and group processes will be examined using both a text and original journal articles. Applications of social psychology to the career fields of law, health, and business will also be examined. Gen. Ed. Explorations – Social Science. Prerequisite: PSYC 100.

PSYC 220 Behavior Modification ALT S 3 CR
This course offers a guided, hands-on experience designed to acquaint students with general principles of human behavior through the development and implementation of a comprehensive plan for behavior change. Students will learn to observe and record behavior and to incorporate observational data into an extensive behavior change plan. Data will be presented regularly to classmates in narrative, numeric, and graphic formats. An extensive end-of-plan report will be presented to the class and submitted in writing. Grading is based on completeness, comprehensiveness, and sophistication of the behavior change plan as presented throughout the semester and in the final report. Prerequisite: PSYC 100.

PSYC 230 Sleep and Dreams S 3 CR
The decades since the 1950s have seen an explosion of scientific research on the psychological and biological processes which are responsible for sleep. This course will introduce students to the basic methods and findings of contemporary sleep research, including a consideration of the brain processes which underlie sleep and dreams. Prerequisite: PSYC 100.

PSYC 239 Abnormal Psychology S 3 CR
This course will look at the history of psychopathology, the major psychiatric syndromes, and the differing theoretical perspectives and approaches to treatment and therapy. Prerequisite: PSYC 100.
PSYC 265  Health Psychology  ALT F  3 CR
This course is an introduction to the rapidly emerging field of health psychology. The emphasis will be on the role of psychological processes in maintaining wellness and in the treatment of, recovery from, or adjustment to illness. Central to this introduction will be an investigation of the uses of psychology's research methods and theories in producing useful scientific information for better understanding human health. 
Prerequisite: PSYC 100.

PSYC 281  Introduction to Biological Psychology  F  3 CR
This course will introduce students to the methods, theories, and research findings which constitute the modern field of biological psychology. Included will be consideration of the basic structure and functioning of the human nervous system, CNS development, and the brain mechanisms which underlie a variety of psychological processes (e.g., vision, movement, learning, memory, and biological rhythms). Gen. Ed Explorations - Science. Prerequisites: PSYC 100 or one college level biology course.

PSYC 291  Learning and Memory  F  3 CR
Learning and memory are two of the core psychological mechanisms which underlie our ability to adapt to an ever-changing world. This course will look at the last 100 years of theory and research in these areas. Special emphasis will be placed on operant and classical conditioning and human memory processes. The course will also provide students with a hands-on introduction to data collection and technical writing in psychology. Prerequisite: PSYC 100.

PSYC 300  Experimental Design and Statistical Analysis I  F  3 CR
This is the first semester of a two-semester sequence which presents the methods and principles of experimental design and statistical analysis. SPSS will be incorporated throughout the course. Students will design, implement and present their own research project. Students majoring in psychology should complete the 300/303 sequence in their sophomore or junior year. Prerequisite: Three semesters of high school algebra.

PSYC 303  Experimental Design and Statistical Analysis II  S  3 CR
This is a continuation of PSYC 300. Prerequisite: PSYC 300.

PSYC 329  Psychology of Gender  ALT F  3 CR
This course will examine the empirical literature and theories in psychology that document sex differences in behavior, and analyze the origins and development of these sex differences. The relationship between psychological processes and societal sex role structures will also be explored. Prerequisites: PSYC 100 and one 200-level psychology course.

PSYC 333  Adolescent Psychology  F  3 CR
Adolescent Psychology will focus on development of youth from pre-adolescence to late adolescence and emerging adulthood from a historical and cultural view as well as theoretical and practical perspectives. Critical thinking based on research in this field will be emphasized. The influence of heredity, family, culture, school, and peers will be considered as contexts within which adolescents develop. Common adolescent problems as well as adolescent psychopathological disorders will be discussed as well. Prerequisites: PSYC 100 and one 200-level psychology course.

PSYC 364  Industrial Psychology  ALT F  3 CR
In this course students learn about methodological and measurement issues and examine research findings related to job analysis, job description, job evaluation, employee selection, performance evaluation, motivation, and job satisfaction. Students will design and conduct research in simulated work, situations, collect and analyze data using SPSS for Windows, interpret the analysis, and submit written APA style research reports.
**PSYC 369**  
**Psychology of Personality**  
3 CR  
This course is an introduction to theories, research methods and controversies in the field of personality psychology. Major approaches to the study of personality including biological and evolutionary determinants, traits and situations, social cognition, motives, needs, and humanistic themes will be examined using both a text and original journal articles. Emphasis is placed on important theorists, measurement issues, and research evidence. **Prerequisites: PSYC 100, a statistics course, and either one 200-level psychology course or MGMT 320.**

**PSYC 389**  
**Introduction to Counseling**  
3 CR  
A survey of the basic theories and techniques of psychological counseling. **Prerequisites: PSYC 100 and one 200-level psychology course.**

**PSYC 401**  
**GRE Preparation**  
1 CR  
This course is intended for juniors or seniors who plan to take the GRE general test. Students will work on vocabulary and math skills, take several practice tests and share test-taking strategies with each other. Students who also plan to take the Psychology Advanced GRE test will have a chance to prepare for that exam as well. P/NC grading.

**PSYC 415**  
**Sensation and Perception**  
3 CR  
This course considers the structure and function of human sensory systems (with an emphasis on vision and audition) along with an exploration of the psychological processes by which the output of those systems is converted into conscious experience. The course covers both data and theory and provides an extensive hands-on introduction to basic procedures and phenomena in the field through laboratory exercises and computer simulations. **Prerequisites: PSYC 100 and one 200-level psychology course.**

**PSYC 429**  
**Stereotypes and Prejudice**  
3 CR  
Students will learn about the major psychological theories behind the origins of stereotypes and prejudice, cognitive biases used to maintain stereotypes over time, and theories regarding changing or reducing prejudice. Classes will be a combination of lecture, activities, and discussion. Students will read both a traditional textbook and several primary sources, including research articles from peer-reviewed journals. Papers will focus on critical analysis of the theories discussed in class and on application of these theories to everyday life and behaviors. In addition, specific areas of prejudice, such as racism, sexism, ageism, and heterosexism will be explored. **Prerequisites: PSYC 100 and one 200-level psychology course.**

**PSYC 440**  
**Cognition**  
3 CR  
This course studies human cognitive processes including memory, perception, reasoning, and language. Students will be introduced to the basic theories and phenomena of the field through a variety of hands-on activities, including laboratory experiments, computer simulations, and classroom exercises. **Prerequisites: PSYC 100 and one 200-level psychology course.**

**PSYC 495**  
**Internship**  
Variable CR  
This experience will familiarize students with the applied aspects of psychology as a profession. The student will be placed in a mental health/human service agency or in a research laboratory. The specifics of the student experience will vary with the site, but generally will include observation and contact with professionals in a work setting. Students will spend approximately 40 on-site contact hours for each credit hour awarded. P/NC grading. Repeatable for credit. **Prerequisites: PSYC 100, one 200-level psychology course, and permission of the instructor.**
PSYC 498  Capstone in Psychology  F  3 CR  
In this course advanced psychology students will reflect upon and integrate several subfields within psychology. They will be reading original sources, examining historical developments, writing technically, and giving oral presentations. Prerequisites: Senior standing and psychology major or minor.

PSYC 499  Independent Study in Psychology  AN  1-3 CR  
This course allows students in collaboration with a faculty sponsor to pursue further study on topics within psychology. It is generally expected that the course will involve some original empirical research and writing. This course may be taken twice. Prerequisite: Students must identify a faculty sponsor who will approve a proposal submitted by the student. This proposal will describe the scope of the independent study and the method of evaluation.

PUBLIC ADMINISTRATION (PSPA)  
PSPA 265  Introduction to Public Administration  ALT S  3 CR  
An introduction to basic principles of public sector management, this course examines the political context in which public programs are administered, bureaucratic-legislative relations, judicial review of administrative action, intergovernmental relations, ethics in public service, elementary concepts in financial management, principles of human resources management, basic issues in policy planning, and group dynamics in public sector organizations. Gen. Ed. Explorations – Social Science.

PSPA 320  State and Local Politics  ALT 3 S  3 CR  
Political and administrative processes in the American states are examined from comparative and historical perspectives. Several class meetings are dedicated to studying various accounts of policy variation between states, focusing on the subjects of political culture, procedural and structural differences, and the importance of socioeconomic variables. Additional topics may include electoral and budgetary politics. Gen. Ed. Explorations – Social Science.

PSPA 360  Introduction to Public Affairs  ALT F  3 CR  
An introduction to various models of the public policy process. Several weeks are dedicated to discussion of the common “stages” model of the policy process followed by exploration of alternative explanations of policy making. Particular attention is paid to the subjects of congressional, presidential, and bureaucratic decision making. Students examine basic techniques of program evaluation and policy analysis. Gen. Ed. Explorations – Social Science.

PSPA 380  Administrative Agencies  ALT 3 S  3 CR  
This course focuses on the politics and legal issues arising in the contexts of administrative rule making, adjudication, and investigation. In addition, several lectures are dedicated to the subjects of procedural due process and judicial review of administrative action. Students also examine key features of the statutory environment of public sector management. Common discussion topics include the rights and potential liabilities of public employees.

PSPA 400  Pre-Professional Seminar  AN  3 CR  
Taken by students during their final year of study, the senior seminar involves focused consideration of the key theoretical streams in the public administration field and the preparation of an original, creative demonstration of advance skills. This seminar-format, capstone course enhances students’ methodological training and completes the public administration major. Prerequisites: public administration major and senior status.
PSPA 485  **Special Topics in Public Administration**  AN  3 CR
Designed to address topics not fully treated in other BVU courses, this course is offered periodically, depending on student demand. Possible topics include bureaucratic politics, public sector labor and employment law, advanced research methods, program planning, and program evaluation. Other subjects may be addressed depending on student interest. Students may repeat course as new topics are offered. **Prerequisites:** PSCN 110 and PSPA 265.

PSPA 495  **Public Administration Internship**  Variable CR
In consultation with a political science department advisor, students engage in a closely supervised, experiential learning opportunity in a public, not-for-profit, or private sector organization. Particular emphasis is placed on application of communication, problem solving, and analytical skills gathered in the public administration curriculum. P/NC grading. Not repeatable for credit. **Prerequisites:** Political administration major, junior status, and consent of instructor.

**RELIGION (RELI)**

**RELI 102 Introduction to the Biblical Heritage**  ALT S  3 CR
An introductory exploration of the Hebrew Bible and the New Testament. Through a variety of approaches, literary, historical, ethical, cultural, and theological issues will be explored. **Gen. Ed. Explorations – Humanities.**

**RELI 110 Introduction to World Religions**  AN  3 CR
This course surveys the major religious traditions of the world, including Native American traditions, Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam. **Gen. Ed. Explorations – Humanities.**

**RELI 111 Introduction to Judaism, Christianity, and Islam**  ALT S  3 CR
This course is an introduction to the monotheistic traditions of Judaism, Christianity, and Islam. In this course, we explore various literary, historical, cultural, and theological approaches to the texts and practices of these traditions. We examine how these three Abrahamic traditions deal with ideas regarding the nature of God, the relationship of God to humankind, and the overall human condition. **Gen. Ed. Explorations – Humanities.**

**RELI 112 Religions of Asia**  F  3 CR

**RELI 122 Religion and Culture**  S  3 CR
An exploration of the interface between religion and society. Basic forms and views of religious phenomena in their social and institutional context, including encounter, ritual, community, practice, ethics, and mysticism, will be examined. **Gen. Ed. Explorations – Humanities.**

**RELI 220 Religious Texts of the World**  AN  3 CR
Focus on a single text of central concern in religion. Possible texts might include the Hebrew Bible; the New Testament; the Qur’an; the Bhagavad-Gita; the Analects; and the Dao de Jing and the Zhuangzi. May be repeated for credit if a different topic.

**RELI 230 Religious Traditions of the World**  AN  3 CR
Focus on a single religious tradition of the world. Possible traditions might include indigenous religious traditions, Hinduism, Buddhism, Confucianism and Daoism, Judaism, Christianity, and Islam. May be repeated for credit if a different topic. **Gen. Ed. Explorations – Humanities.**
RELI 321  Women in Philosophy and Religion  ALT F  3 CR
Subtitles will vary. An in-depth study of figures, works, or movements focused on
women’s engagement with the world. Possible topics include feminist theory; woman
spirit; women in world religions; women in religious literature; women in philosophy;
and feminist theology. May be repeated for credit if a different topic. May be cross-
listed with PHIL 321, depending on course content. *Gen. Ed. Explorations –
Humanities.*

RELI 335  Topics in Ethics  AN  3 CR
Subtitles will vary. An in-depth study of ethical perspectives or a selected area of moral
concern. Possible topics include bioethics; business and professional ethics; queer
ethics; science, technology, and society; sexual ethics; and comparative religious ethics.
May be repeated for credit if a different topic. May be cross-listed with PHIL 335,

RELI 340  Environmental Ethics  ALT S  3 CR
An in-depth study of ethical problems related to the environment, including global
warming, ozone depletion, overpopulation, overconsumption, pollution and toxic
wastes, etc. This class will examine the history of philosophical and religious thinking
about the environment; biocentric, ecocentric, deep ecology, and ecofeminist
perspectives; obligations to future generations; animal rights; non-Western perspectives;
economic growth, global justice and sustainability. May be cross-listed with PHIL 340,

RELI 345  Topics in Theology  AN  3 CR
Subtitles will vary. An in-depth study of major thinkers, works, or movements in
classical and contemporary theology. Debates about such issues as God, human nature,
free will, sin, salvation, faith, and culture will be explored, and might themselves
become topics for this course. Other possible topics include Reformation Theology;
20th century Christian theology; Liberation and Political Theology; Post-Holocaust
theology; and Mysticism. May be repeated for credit if a different topic.

RELI 355  Topics in Religious History  AN  3 CR
Subtitles will vary. An in-depth study of the contexts, literature, movements, and
individuals that contributed to the emergence of a particular religious tradition. Possible
topics include Second Temple History; Muhammad, Jesus and the Buddha; Early
Christianity; and the Reformation. May be repeated for credit if a different topic. *Gen.
Ed. Explorations – Humanities.*

RELI 495  Internship  Variable CR
An intensive, supervised work experience in a discipline related work environment.
P/NC grading. Repeatable for credit. *Prerequisite: Approval of supervising faculty
member.*

RELI 498  Senior Capstone  S  3 CR
Advanced philosophy and religion students will reflect upon and integrate several
different subfields in the discipline. Requirements involve the reading of original
sources, examining historical developments, writing critically, development of a
portfolio, and oral presentations. *Prerequisites: Senior standing and philosophy and
religion major status.*

SECONDARY EDUCATION
See listings under Education.
### SOCIAL WORK (SCWK)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SCWK 100</td>
<td>Modern Social Problems</td>
<td>3 AN CR</td>
<td>A critical examination of major problems in contemporary American society such as poverty, population, race, gender, economic inequality, health, old age, the environment and education. The course seeks to promote understanding of the origins and development of the problems and tries to discover directions in which solutions may be sought. Same as SOCI 100. Gen. Ed. Explorations – Social Science.</td>
</tr>
<tr>
<td>SCWK 200</td>
<td>Introduction to Social Work and Social Welfare</td>
<td>3 F CR</td>
<td>This course provides the philosophy, history, and ethical foundations of social welfare and social work. Social welfare issues and social work as a profession are explored. The use of social work knowledge, skills and values to bring about change in the environment and systems of all sizes are examined. Gen. Ed. Explorations – Social Science.</td>
</tr>
<tr>
<td>SCWK 211</td>
<td>Field Observation</td>
<td>3 I CR</td>
<td>Students are placed in a social service agency to observe the provision of generalist social work and understand how social welfare agencies perform their work. Students complete a 120-hour placement for three credit hours under the supervision of a social worker. May be repeated for up to three additional hours in a different agency and experience. Field Observation may be completed during Interim. P/NC grading. Prerequisite: SCWK 200.</td>
</tr>
<tr>
<td>SCWK 235</td>
<td>Psycho-Social Dimensions of the Human Life Cycle</td>
<td>3 F CR</td>
<td>This is the first of two courses in the Human Behavior in the Social Environment sequence. It focuses on the biological, social, and psychological development of the individual in environment from conception to death. This course addresses the complex interpersonal relationships and the interrelatedness of the family as a system in the context of the larger social structures of the community, including the impact of oppressions on various communities.</td>
</tr>
<tr>
<td>SCWK 255</td>
<td>Human Behavior in the Social Environment</td>
<td>3 S CR</td>
<td>The course focuses on generalist social work theory with macro systems. Characteristics, dynamics, and structure of communities, organizations, and groups are emphasized. Diverse influence on these systems are considered. Theoretical perspectives as well as policy influences are used to understand the interaction between the environment and the person. Gen. Ed. Explorations – Social Science.</td>
</tr>
<tr>
<td>SCWK 270</td>
<td>Family Relationships</td>
<td>3 ALT S CR</td>
<td>The family as a primary social institution is investigated. Diverse issues and challenges affecting families in modern society are explored as are the influences of Society and family policy. Same as SOCI 270.</td>
</tr>
<tr>
<td>SCWK 311</td>
<td>Social Justice Experience</td>
<td>1-3 AN CR</td>
<td>This course provides experiential learning for students interested in addressing social justice issues. Students explore the social justice issues relevant to a particular population or location that experiences oppression. The student then participates in service learning to develop understanding of the issues first-hand and if possible attempts to redress these issues. Students will document this learning and integrate the experiential knowledge with the theoretical knowledge acquired prior to the service learning. May be repeated for up to three additional hours with a different experience. P/NC grading. Prerequisite: Permission of the instructor.</td>
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<tr>
<td>Course Code</td>
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<td>Credits</td>
<td>Prerequisites/Notes</td>
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<tr>
<td>SCWK 350</td>
<td>Social Welfare Programs and Policies</td>
<td>S 3 CR</td>
<td>Students examine the historical, economic, political, and social forces that impact social welfare policy. Major social welfare programs are analyzed from a generalist social work perspective that includes consideration of diversity, oppression, and populations at risk. Prerequisites: SCWK 200 and 255; or permission of the instructor.</td>
</tr>
<tr>
<td>SCWK 351</td>
<td>Aging in American Society</td>
<td>ALT F 3 CR</td>
<td>Social work principles and practice with this increasingly significant population in society are examined along with the range of settings in which social work may be practiced. Social, political, and economic policy influences on practice are analyzed. Gen. Ed. Explorations – Social Science.</td>
</tr>
<tr>
<td>SCWK 352</td>
<td>Child and Family Welfare</td>
<td>ALT F 3 CR</td>
<td>Social work principles and practice with children and their families is examined along with the range of settings in which social work with children and families may be practiced. Major social, political, and economic policy influences on practice are analyzed.</td>
</tr>
<tr>
<td>SCWK 353</td>
<td>Social Interventions with Families</td>
<td>AN 3 CR</td>
<td>This course examines and assesses dynamics of behavior within family relationships. Theories of human behavior, family strengths, and coping styles are emphasized in the development of intervention strategies.</td>
</tr>
<tr>
<td>SCWK 361</td>
<td>Racism and Sexism in American Life</td>
<td>F 3 CR</td>
<td>An examination of the problems of racial oppression, the quest of women and minorities for equality, the structural arrangements of our society and the relevant social work educational practices. Same as PHIL 361 and SOCI 361. Gen. Ed. Explorations – Humanities. Prerequisites: Junior standing recommend.</td>
</tr>
<tr>
<td>SCWK 375</td>
<td>Special Topics in Social Work</td>
<td>AN 1-3 CR</td>
<td>Topics courses are offered periodically as they are needed. Courses that are offered under special topics include but are not limited to the following: group work; case management; abuse issues; and health and mental health. May be repeated for credit if it is different topics. Offered at the Storm Lake campus.</td>
</tr>
<tr>
<td>SCWK 375</td>
<td>Special Topics in Social Work: Stress Management Strategies</td>
<td>3 CR</td>
<td>Stress Management Strategies for Helping Professionals (SMSFHP) investigates the stress management process. Recognition of the factors surrounding endogenous and exogenous stress and the personal responsibility each person has in developing methods of managing stress is also an explicit part of this course. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
</tr>
<tr>
<td>SCWK 375</td>
<td>Special Topics in Social Work: Alcohol, Tobacco, Other Drugs and Other Addictions</td>
<td>3 CR</td>
<td>Alcohol, Tobacco, Other Drugs, and Other Addictions (ATODOA) presents the basic facts and the major issues concerning drug-taking behavior in modern American society. The course content is designed to show the great diversity among drugs that impact the mind and the body, both illicit and legally available drugs. Recognition of the problems surrounding drug misuse and abuse and the personal responsibility each person has in making such choices is also an explicit part of this course. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
</tr>
<tr>
<td>SCWK 375</td>
<td>Special Topics in Social Work: Chemical Dependency Issues</td>
<td>3 CR</td>
<td>Chemical dependency issues in health/human services professions provides students with knowledge of the issues involved in practice with clients with alcohol or other</td>
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</tbody>
</table>
drug problems. The ecological framework will be utilized for studying the disease alcoholism and its treatment. *Offered only at specific BVU Professional & Online Studies locations.*

**SCWK 375 Special Topics in Social Work: Social Work in Health Care 3 CR**
An overview of the concept of chronicity as it applies to illness, the consequences of long term illness to clients, their families and society, and the principles of sound practice that are of vital importance to this type of practice. *Offered only at specific BVU Professional & Online Studies locations.*

**SCWK 380 Methods of Social Research I S 3 CR**
Research concepts, qualitative and quantitative designs, and analysis procedures are introduced. Students develop knowledge and theory of research problems relevant to social work and sociology. They design and carry out a research project. Students develop competence in analyzing research reports and using analysis software. Same as SOCI 380. *Prerequisites: SCWK 200 or permission from instructor.*

**SCWK 381 Methods of Social Research II F 3 CR**
Continuation of SCWK 380. *Prerequisites: SCWK 380.*

**SCWK 390 Social Work Practice I S 3 CR**
Students apply generalist social work principles with emphasis on assessment of social situations; choice of intervention appropriate to working with individuals, small groups, or families; and evaluation of the outcomes. Social work ethics are applied to practice situation. *Prerequisites: Admitted to the social work major.*

**SCWK 402 Practicum Readiness F 3 CR**
This course is intended for seniors who plan to complete their senior internship the following semester. Students complete a self-assessment relative to choosing an internship, join NASW, obtain liability insurance, develop a resume and cover letter, and interview for internship. P/NC grading. *Prerequisites: SCWK 390.*

**SCWK 410 Social Work Practice II F 3 CR**
This course provides the knowledge and skills necessary to engage in generalist social work practice with task groups, organizations, and communities. Emphasis is placed on assessment of populations at risk and oppressed people and how they impact choice of intervention. *Prerequisites: SCWK 390 and admitted to the social work major.*

**SCWK 440 Field Instruction S 3 CR**
**SCWK 441 Field Instruction S 3 CR**
**SCWK 442 Field Instruction S 3 CR**
Field instruction is an individually planned and supervised experience in a social welfare agency. Students integrate knowledge, skills, and values within generalist social work practice. Students spend 480 clock hours of service activity in an assigned agency as directed by the field instruction coordinator. *Prerequisites: Satisfactory completion of all social work major courses.*

**SCWK 443 Senior Seminar S 3 CR**
A capstone course designed to offer social work students an opportunity to complete a final project that incorporates concepts and procedures from the core curriculum of generalist social work. Senior seminar is taken concurrently with field instruction. *Prerequisites: Satisfactory completion of all social work major courses.*
<table>
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<tbody>
<tr>
<td>SOCI 100</td>
<td>Modern Social Problems</td>
<td></td>
<td>AN 3 CR</td>
<td>Same as SCWK 100. <em>Gen. Ed. Explorations – Social Science.</em></td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Population Problems</td>
<td></td>
<td></td>
<td>A theoretical study of population trends, their social consequences and controlling factors. Prerequisites: SOCI 101 and SOCI 203. Offered only at specific Center locations.</td>
</tr>
<tr>
<td>SOCI 270</td>
<td>Family Relationships</td>
<td></td>
<td>ALT S 3 CR</td>
<td>Same as SCWK 270.</td>
</tr>
<tr>
<td>SOCI 301</td>
<td>Human Services in Rural Communities</td>
<td></td>
<td></td>
<td>An examination of rural problems, services, and skills needed for effective social intervention, planning, and activities in rural areas. Prerequisites: SOCI 101 and SOCI 203. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
</tr>
<tr>
<td>SOCI 302</td>
<td>Sociology of Deviant Behavior</td>
<td></td>
<td>AN 3 CR</td>
<td>An analysis of causes and forms of deviant behavior with special emphasis on crime and juvenile delinquency. Prerequisites: SOCI 101 and SOCI 203.</td>
</tr>
<tr>
<td>SOCI 380</td>
<td>Methods of Social Research I</td>
<td></td>
<td>S 3 CR</td>
<td>Same as SCWK 380.</td>
</tr>
<tr>
<td>SOCI 402</td>
<td>Sociological Theory</td>
<td></td>
<td>AN 3 CR</td>
<td>An evaluation of the development of social thinking and the contribution of major European and American sociologists in the direction of sociological theory. Prerequisites: SOCI 101 and SOCI 203.</td>
</tr>
<tr>
<td>SOCI 450</td>
<td>Special Topics in Sociology Death &amp; Dying</td>
<td></td>
<td></td>
<td>The purpose and primary goal of the course is to examine the relationship of death and death concerns to the process of living well and dying well. Demographic trends and related cultural developments in our society today add importance to the need for heightened awareness and understanding when viewing death and death issues in a multi-cultural world. Mortality is a basic condition of life and we must view death as a natural part of the life cycle. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
</tr>
<tr>
<td>SOCI 450</td>
<td>Special Topics in Sociology: Social Work/Welfare Cases</td>
<td></td>
<td></td>
<td>This course is designed to explore special populations and concerns in social work. The emphasis will be on groups that are too often undervalued by society and under served by service agencies. Special populations especially in need of social work services include women, the elderly, ethnic and racial minorities, the homeless, mentally ill and persons suffering and dying from AIDS. Offered only at specific BVU Professional &amp; Online Studies locations.</td>
</tr>
</tbody>
</table>
**Practicum in Human Services** 3-4 CR
An individually planned and supervised experience in a public or private human services agency. Normally completed during the senior year. May be repeated with program approval. *Offered only at specific BVU Professional & Online Studies locations.*

**SOCI 495 Internship** Variable CR
An intensive, supervised work experience in a discipline related work environment. P/NC grading. Repeatable for credit. *Prerequisite: Approval of supervising faculty member.*

### SPANISH (SPAN)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 101</td>
<td>Elementary Spanish I</td>
<td>3 CR</td>
<td>An introduction to the fundamentals of Spanish, including pronunciation, grammar, and culture. No prior experience with the language is required. This course does not apply towards a major or minor. <em>Gen. Ed. Explorations – Humanities.</em></td>
</tr>
<tr>
<td>SPAN 102</td>
<td>Elementary Spanish II</td>
<td>3 CR</td>
<td>A continuation of SPAN 101. This course does not apply towards a major or minor. <em>Gen. Ed. Explorations – Humanities. Prerequisite: SPAN 101 or appropriate placement through the BVU placement exam.</em></td>
</tr>
<tr>
<td>SPAN 201</td>
<td>Intermediate Spanish I</td>
<td>3 CR</td>
<td>An intermediate course in which we build on Spanish fundamentals previously learned. It further develops reading skills while continuing to emphasize communication, pair and group work, learning in context, and the use of critical thinking skills. This is the first course in the Spanish core. <em>Gen. Ed. Explorations – Humanities. Prerequisite: SPAN 102 or appropriate placement through the BVU placement exam.</em></td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Intermediate Spanish II</td>
<td>3 CR</td>
<td>A continuation of Spanish 201. It is also part of the core. <em>Gen. Ed. Explorations – Humanities. Prerequisite: SPAN 201 or appropriate placement through the BVU placement exam.</em></td>
</tr>
<tr>
<td>SPAN 301</td>
<td>Advanced Grammar and Conversation</td>
<td>3 CR</td>
<td>An advanced study of grammar nuances, idiomatic expressions, and vocabulary in a conversational context. Readings will encourage class discussion. Students will be evaluated based on their oral and written proficiency through class discussions, written and oral reports. This class is part of the core. <em>Gen. Ed. Explorations – Humanities. Prerequisite: SPAN 202 or appropriate placement through the BVU placement exam.</em></td>
</tr>
<tr>
<td>SPAN 302</td>
<td>Advanced Grammar and Composition</td>
<td>3 CR</td>
<td>A continuation of the grammar principals studied in 301 with an addition of emphasis on composition. This course is taught in Spanish. This course is part of the core. <em>Prerequisite: SPAN 301.</em></td>
</tr>
<tr>
<td>SPAN 303</td>
<td>Spanish for Careers</td>
<td>3 CR</td>
<td>An advanced course designed to meet the students’ needs for special vocabulary and expressions for the different careers. Emphasis will be placed on business, bilingual education, law-enforcement, social-work, and health care professions. <em>Prerequisite: SPAN 301 or appropriate placement through the BVU placement exam.</em></td>
</tr>
<tr>
<td>SPAN 311</td>
<td>Culture and Civilization of Spain</td>
<td>3 CR</td>
<td>A study of the culture and civilization of Spain through its history of social, political, and religious institutions. Conducted in Spanish. <em>Prerequisite: SPAN 301 or appropriate placement through the BVU placement exam.</em></td>
</tr>
</tbody>
</table>
COURSE DESCRIPTIONS

SPAN 312  Culture and Civilization of Latin America  ALT F  3 CR
A study of the culture and civilization of Latin America through its history of social,
political, and religious institutions. Conducted in Spanish. Prerequisite: SPAN 301 or
appropriate placement through the BVU placement exam.

SPAN 335  Introduction to Hispanic Literature  S  3 CR
An introduction to the study of literature in Spanish. Emphasis will be placed on the
skills necessary to study literature in a foreign language including an introduction to the
literary genres and vocabulary used to analyze literature in Spanish. Works from all
periods and from both Latin America and Spain will be studied. Conducted in Spanish.
This course is part of the core. Prerequisite: SPAN 301.

SPAN 410  Survey of the Literature of Spain  ALT F  3 CR
An introduction of the major writers and movements in Spanish literature. The genres
of poetry, drama, and narrative will be studied and analyzed. Conducted in Spanish.
Prerequisite: SPAN 335.

SPAN 415  Survey of the Literature of Latin America  ALT F  3 CR
An introduction of the major writers and movements in Latin American literature. The
genres of poetry, drama, and narrative will be studied and analyzed. Conducted in
Spanish. Prerequisite: SPAN 335.

SPAN 425  Spanish in Action  ALT F  3 CR
An introduction to readers' theater, Spanish plays and/or Hispanic films. This course
will facilitate the study of Hispanic culture and language. Conducted in Spanish.
Prerequisite: SPAN 335.

SPAN 450  Special Topics  S  3 CR
A more in depth study of just one genre, one time period, or one author from the
Hispanic world. This course may be repeated for credit. Conducted in Spanish.
Prerequisite: SPAN 335.

SPAN 490  International Experience  F, I, S  0-6 CR
An opportunity to study abroad for a minimum of three weeks. This includes a
complete immersion into Hispanic language and culture. Arrangements for academic
credit and faculty approval must be made prior to the international experience. The
experience will be approved and evaluated on the same basis as an on-campus course. If
the student chooses to participate in a Study Abroad program, this course must be taken
as part of the program, but can be taken for 0 credit or as an elective up to 6 credit
hours. A student must have either a semester abroad-like experience or a minimum of
3 credit hours of SPAN 490. P/NC grading. May be repeated for credit up to a total of
6 credit hours. Recommended: SPAN 201 or equivalent.

SPAN 495  Internship  Variable CR
An intensive, supervised work experience in a discipline related work environment.
P/NC grading. Repeatable for credit. Prerequisite: Approval of supervising faculty
member.

SPAN 498  Senior Seminar  ALT F  3 CR
A capstone course focusing on grammar review as well as oral and written competency.
Conducted in Spanish. Prerequisite: Junior or senior status and permission of
instructor.

SPECIAL EDUCATION
See listings under Education.
SPEECH AND DRAMA

See listings under Communication and Performance Studies.

TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)

TESL 270 Introduction to Second Language Acquisition F 3 CR
This course gives an overview of second language learning and teaching in the K-12 setting in the U.S. Linguistic, cognitive, affective, cultural, social and instructional factors as well as the basic principals of second language learning research are addressed. This course introduces pre-service teachers to foundational theory in both first and second language acquisition and language proficiency. It explores how students acquire language, what influences the learning process, and how instruction best aids that process.

TESL 330 Methods of Teaching English as a Second Language S 3 CR
This course provides an overview of the theoretical foundations and applications of language instruction approaches, methods, and techniques that are effective in the second language classroom. Recent trends and historical approaches to teaching English as a second language and their applicability will be investigate. The concept of communicative language teaching will be thoroughly studied. Appropriate connections with other disciplines will be made. Pre-service teachers will demonstrate teaching and learning principles that lead to a student-centered, interactive classroom. Prerequisite: TESL 270.

TESL 405 Field Experience in Teaching English as a Second Language S 0 CR
This 10-hour clinical experience promotes the integration of methods and field experiences. It will be taken in conjunction with TESL 330 Teaching English as a Second Language Methods. P/NC grading.

TESL 407 Curriculum Development and Assessment in ESL F 3 CR
The course emphasizes the role of ESL teachers as course developers and action researchers. It focuses on effective lesson planning, task design, materials development, assessment and evaluation, and the use of instructional technology in instruction. It also provides a general background in language and academic content assessment issues, opportunities to examine assessment instruments, and practical experience developing and using formal and informal assessment measures. The students will be able to critically analyze and select evaluation techniques for measuring ESL students’ performance in academic settings. Prerequisite: TESL 330.

TESL 408 Practicum in ESL Classroom K-6 F 2 CR
This is an 80-hour clinical experience in an ESL classroom setting. This experience provides pre-service teachers with an opportunity to demonstrate practical applications of different language approaches and methods. Pre-service teachers are required to demonstrate effective use of techniques including cooperative learning, group and individual motivation, and working with diverse students. It is taken in conjunction with TESL 407 Curriculum Development and Assessment in ESL. Prerequisite: TESL 330; Co-requisite: TESL 407. P/NC grading.

TESL 409 Practicum in ESL Classroom 7-12 F 2 CR
This is an 80-hour clinical experience in an ESL classroom setting. This experience provides pre-service teachers with an opportunity to demonstrate practical applications of different language approaches and methods. Pre-service teachers are required to demonstrate effective use of techniques including cooperative learning, group and individual motivation, and working with diverse students. It is taken in conjunction with TESL 407 Curriculum Development and Assessment in ESL. Prerequisite: TESL 330; Co-requisite: TESL 407. P/NC grading.
<table>
<thead>
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<tbody>
<tr>
<td>TESL 447</td>
<td>Student Teaching in ESL Classroom K-6</td>
<td>3-6 CR</td>
<td>F, S</td>
<td>This is a supervised field experience which includes observation, participation in class activities and student teaching in ESL classrooms.</td>
</tr>
<tr>
<td>TESL 448</td>
<td>Student Teaching in ESL Classroom 7-12</td>
<td>3-6 CR</td>
<td>F, S</td>
<td>This is a supervised field experience which includes observation, participation in class activities and student teaching in ESL classrooms.</td>
</tr>
<tr>
<td>WMST 110</td>
<td>Introduction to Women’s Studies</td>
<td>3 CR</td>
<td>S</td>
<td>The foundation course for women’s studies, this course offers students an opportunity to deal with concepts through feminist perspectives in such fields as women in history, women in society, and women in literature. The focus will be on connecting information from several different disciplines and discussing ideas and approaches which can help describe and cultivate a better understanding of women’s experiences. Gen. Ed. Explorations – Humanities.</td>
</tr>
<tr>
<td>WMST 490</td>
<td>Capstone</td>
<td>3 CR</td>
<td></td>
<td>This capstone course allows the student the opportunity to create a project that connects theory to practice. Feminist methodology and research is the focus of the capstone course. The course culminates in a project connecting feminist methodology and research with community activism regarding issues that affect women. The capstone course includes a public presentation of the student’s work.</td>
</tr>
<tr>
<td>WMST 495</td>
<td>Internship</td>
<td>Variable CR</td>
<td></td>
<td>Intensive experiential opportunity related to student’s interest in Women’s Studies. Placement arranged with approval of women’s studies coordinator and supervising faculty member. Repeatable for credit. P/NC grading.</td>
</tr>
<tr>
<td>WMST 499</td>
<td>Independent Study</td>
<td>Variable CR</td>
<td></td>
<td>To be arranged in consultation with women’s study coordinator. Permission of instructor required.</td>
</tr>
</tbody>
</table>