UNDERGRADUATE COURSES OF STUDY

ACADEMIC SUPPORT

ASC 290.ASC TUTORIAL PRACTICUM
By serving as a peer tutor, the student will receive the practical experience of helping others to learn. Such experience should enhance the student’s knowledge of skills and concepts relevant in the discipline in which the student is tutoring. The student must provide a minimum of 15 hours of tutoring contact during the semester under faculty/staff supervision and attend all mandatory training. Prerequisite: Recommendation by one of the faculty within the discipline in which the student tutors. One semester hour.

ACCOUNTING

ACCT 201.FINANCIAL ACCOUNTING PRINCIPLES
The study of accounting principles underlying financial reporting of organizations to external users. The accounting model for capturing and processing the economic effects of financing, investing, and operating activities as well as the financial statements provided by the model are developed. Focus is placed on reading, interpreting, and applying the financial information in decision-making process. Three semester hours.

ACCT 202.MANAGERIAL ACCOUNTING PRINCIPLES
The study of accounting information underlying financial reporting of organizations to internal users. Topics include product and process costing, cost systems, cost terminology and cost behavior. Focus is placed on management use of accounting information in production, merchandising and service decision-making. Prerequisites: “C” or better in both ACCT 201 and MATH 121. Three semester hours.

ACCT 301.INTERMEDIATE ACCOUNTING I
This course studies financial accounting theory and problems for the corporate form of organization. Preparation and presentation of financial statements according to generally accepted accounting principles is addressed. The analysis and interpretation of financial statements and other accounting problems are emphasized. Prerequisite: “C” or better in ACCT 202. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

ACCT 302.INTERMEDIATE ACCOUNTING II
This course studies financial accounting theory and problems for the corporate form of organization. Preparation and presentation of financial statements according to generally accepted accounting principles is addressed. The analysis and interpretation of financial statements and other accounting problems are emphasized. Prerequisite: “C” or better in ACCT 301 and an institutional GPA of 2.5 or better. Three semester hours.

ACCT 307.GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING
This course studies fund accounting and reporting with primary emphasis on governmental and not-for-profit entities. Prerequisite: “C” or better in ACCT 301 or permission of instructor and an institutional GPA of 2.5 or better. Three semester hours.

ACCT 321.INCOME TAX I
This course studies the Internal Revenue Code related to the determination of individual income tax liability. Major topics include filing status, gross income, exemptions, and deductions. Prerequisite: “C” or better in ACCT 202. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

ACCT 322.INCOME TAX II
This course is a continuation of ACCT 321 with emphasis upon the Internal Revenue Code sections related to the determination of the income tax liability for corporations, partnerships, estates, and trusts. Prerequisite: “C” or better in ACCT 321 and an institutional GPA of 2.5 or better. Three semester hours.

ACCT 331.COST/MANAGEMENT ACCOUNTING I
This course is an intensive study of cost concepts and their role in the planning, controlling, and decision-making of internal users of accounting. Major topics include cost terminology, cost systems, the information needs of managers, costing of products and services, and cost allocations. Prerequisite: “C” or better in ACCT 202. For
business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better.  

Three semester hours.

ACCT 332. COST/MANAGEMENT ACCOUNTING II  
This course is a continuation of ACCT 331 with primary emphasis placed on budgeting, performance measurement, specialized cost accounting topics, inventory management techniques, transfer pricing, and quality issues. Prerequisite: “C” or better in ACCT 331 and an institutional GPA of 2.5 or better.  

Three semester hours.

ACCT 352. COMMERCIAL LAW  
This course studies contracts, commercial paper, agency, personal property and bailments, real property, estates, sales, security documents, partnerships and corporations. Course objectives include aiding the students in becoming aware of special legal problems of business and assisting students in gaining a background for the CPA examination. Prerequisite: BA 251 and MGMT 301 with a “C” or better or permission of instructor. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better.  

Three semester hours.

ACCT 369. SPECIAL TOPICS IN ACCOUNTING  
This elective course allows for the study of various accounting topics which are not a part of the regular course offerings. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. To repeat the course in order to improve a grade; the topic, the course number, and the semester hours must be the same. Prerequisite: Permission of the instructor. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better.  

One to six semester hours.

ACCT 402. AUDITING I  
This course studies the authoritative literature’s generally accepted auditing standards, providing guidance for the independent audit of financial statements. The process used by the independent auditor to conduct an examination of and render a report on a set of financial statements is reviewed. Prerequisite: “C” or better in ACCT 302 and an institutional GPA of 2.5 or better.  

Three semester hours.

ACCT 403. ACCOUNTING INFORMATION SYSTEMS  
This course studies the design and operation of the accounting information systems that collect, process, and report economic data generated by the major transaction/business cycles. Additionally, students will examine the system controls and legal requirements necessary for information and reporting integrity. Prerequisites: “C” or better in both ACCT 302 and BA 304, and an institutional GPA of 2.5 or better.  

Three semester hours.

ACCT 490. ACCOUNTING INTERNSHIP  
This course is designed to give students a practical work experience in their emphasis field. The student works through an approved agency or business under the supervision of professional employees and a faculty member from the School of Management. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. Prerequisites: Junior/Senior status in major; minimum of a 2.5 institutional GPA and permission of instructor. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, ACCT 202, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Dependent upon availability of positions.  

One to six semester hours.

ACCT 491. ACCOUNTING INTERNSHIP II  
The course is designed to give students additional practical work experience in their emphasis field. The student works through an approved agency or business under the supervision of professional employees and a faculty member from the School of Management. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. May be taken for additional credit for a maximum of six hours; only three hours may be used as a business elective. Internships are dependent upon availability of positions. Prerequisites: ACCT 490, senior status in the major, minimum of a 2.5 institutional GPA, and permission of instructor.  

One to six semester hours.
ANTHROPOLOGY

ANTH 104. CULTURAL ANTHROPOLOGY
Exploration of world cultural similarities and differences. The course focuses on universal aspects of the human experience including language, kinship, marriage and family patterns, worldwide migration, and culture change. Required for minor. (General Education – Behavioral Science) Three semester hours.

ANTH 271. TOPICS IN ANTHROPOLOGY/ARCHAEOLOGY
Exploration of topics and issues not currently included in the anthropology curriculum. This course is designed as an in-depth study of topics of anthropological/archaeological interest. May be taken for additional credit as topic changes. “C” or better in either ANTH 104 or SOCI 101 recommended. Three semester hours.

ANTH 321. MEDICAL ANTHROPOLOGY
This class is organized around holistic exploration of ways in which health, illness and medical practices are socially patterned across diverse human cultures. A focus will be how processes and structures within economic systems (including poverty, political violence, and toxic waste disposal) impact well-being. Cross-listed with SOCI 321. Prerequisites: Grade of “C” or better in ANTH 104, or SOCI 101 and sophomore/junior/senior status recommended. Three semester hours.

ART

ART 101. INTRODUCTION TO ART
A study of the basic visual vocabulary of art; line, tone, color, shape, and texture, etc. A study of the development by artists in various periods and cultures from prehistoric to contemporary times. (General Education – Fine Arts) Three semester hours.

ART 103. DRAWING I
Development of basic visual awareness as it relates to two and three-dimensional structure. Problems in line, form, and space with various media. Should be taken in the freshman year. Two three-hour labs or three two-hour labs. Three semester hours.

ART 104. DRAWING II
Exploration of drawing ideas with emphasis on developing contrasting systems of material and media. Experimentation in generating alternative approaches to drawing problems. Should be taken in the freshman year. Two three-hour labs or three two-hour labs. Prerequisite: ART 103. Three semester hours.

ART 105. BASIC DESIGN I
A general studio course in the creative use of the elements of two and three-dimensional design. Should be taken in the freshman year. Two three-hour labs or three two-hour labs. Three semester hours.

ART 106. BASIC DESIGN II
Introduction to the visual organization of 3-dimensional form and space; and the use of hand and power tools. Should be taken in the freshman year. Two three-hour labs or three two-hour labs. Prerequisite: ART 105. Three semester hours.

ART 111. ART HISTORY I
This course will serve as an introduction to the history of Western art addressing the burial complexes of Ancient Egypt, the classical civilizations of Greece and Rome, the earliest Christian imagery in subterranean catacombs, the arts of the Byzantine Empire, the advent of Islam, the development of monastic culture, and the multi-media environment of Gothic Cathedrals. Select art works or sites representative of these periods in their physical, historical and social context will be considered. Although the course will focus primarily on developments in architecture, sculpture, and painting, lectures will also touch on the so-called “minor arts” (ceramics, small-scale metalwork and ivory carving, textiles, manuscript illumination, etc.) where possible. Emphasis will be placed on both visual analysis (honoring the student’s descriptive, analytical, and interpretive skills) and contextual history. (General Education – Fine Arts) Three semester hours.

ART 112. ART HISTORY II
This course will serve as an introduction to the history of Western art addressing the rebirth of classical form during the Renaissance, the age of the Reformation, the Counter-Reformation, the Enlightenment and its legacy, the rise of Modernism, the development of Modernist art, and art from the later 20th century. Select art works or sites representative of these periods in their physical, historical and social contexts will be considered. Although
the course will focus primarily on developments in architecture, sculpture, and painting, lectures will also touch on ceramics, small-scale metalwork and ivory carving, textiles, and prints where possible. Emphasis will be placed on both visual analysis (honning the student’s descriptive, analytical, and interpretive skills) and contextual history. Prerequisite: ART 111. Three credit hours.

**ART 113. HISTORY OF GRAPHIC DESIGN**
This course examines the history of graphic design and visual communications from ancient times to the present, with an emphasis on graphic design ideas/thinking, theories, aesthetics, and movements. Students examine the history of the visual form and message as well as the impact of graphic design on the cultural, social, political, and economic life both past and present. Three semester hours.

**ART 202. SCULPTURE I**
Introduction to sculptural materials, techniques, and processes. Prerequisites: ART 103 and ART 104 and ART 105 and ART 106 or permission of the instructor. Two three-hour labs or three two-hour labs. Three semester hours.

**ART 203. PHOTOGRAPHY I**
Explores the fundamental nature of photography covering both digital photography and black and white photography – including creative camera controls, exposure, digital imaging software, film processing, darkroom procedures, black and white print making, evaluating prints, the aspects of design, composition, and content in images. The course concentrates on assignments, critiques, demonstrations, lectures and a personal project to provide a foundation for creatively experiencing the photographic medium. A SLR DIGITAL camera with manual controls is required. Prerequisites: ART 103, ART 104, ART 105 and ART 106. Two three-hour labs or three two-hour labs. Three semester hours.

**ART 204. DIGITAL ART AND DESIGN**
Introduction to computer imaging for graphic design applications. Studio lab experience in creatively using graphic design industry standard software including Adobe Photoshop, Illustrator and InDesign. Prerequisites: ART 103, 104 and 105. Two three-hour labs or three two-hour labs. Three semester hours.

**ART 205. PAINTING I**
Basic approaches to painting including color theory and interaction of materials, tools and expressive concerns. Prerequisites: ART 103, ART 104, and ART 105 or permission of the instructor. Two three-hour labs or three two-hour labs. Three semester hours.

**ART 206. PRINTMAKING**
Materials and methods of printmaking techniques; relief, intaglio, collagraph, and silkscreen. Prerequisites: ART 103, ART 104, and ART 105 or permission of the instructor. Two three-hour labs or three two-hour labs. Three semester hours.

**ART 207. CERAMICS I**
Introduction to ceramic design. Focus on various hand building techniques for the construction process of both functional and sculptural forms. Introduction into surface design. Prerequisites: ART 103, 104, 105 and 106 or permission of the instructor. Six hours of lab contact per week. Three semester hours.

**ART 221. VISUAL LITERACY AND CRITICAL INQUIRY**
Technology in contemporary society generates a broad range of images that students must comprehend, negotiate, and make meaning of. This course will introduce students to critical thinking processes that will enable them to “read” and communicate with images. Students will explore how art can be used to understand other areas of study such as history, science, literature, and mathematics. Basic instructional design processes will be introduced as a means to apply the skills and concepts of the course. (General Education – Humanities or Literature) Three semester hours.

**ART 224. DIGITAL ART AND DESIGN II**
This course builds on what was learned in ART 204 with intermediate proficiency development of industry standard software for graphic design. Studio lab experience in creatively using graphic design software including Photoshop, Illustrator, and InDesign. Prerequisite: ART 204. Three semester hours.

**ART 260. TYPOGRAPHY I**
This course introduces students to the essential qualities of typography in the context of design practice where typography is explored as both an art form and visual communication tool. Students complete a variety of
projects that use type as an element of graphic design composition. They gain an understanding for recognition and classification; explore alignment, hierarchy and legibility. This course introduces students to universal and essential qualities of typography in the context of design practice, serving as a foundation for upper level design classes. Prerequisites: ART105 or permission of the instructor. **Three semester hours.**

**ART 301. ART, CULTURE AND COMMUNITY**
Art is a product of human work and thought, embedded in culture. In this course, students will explore art as an element of culture in global communities both past and present. Students will determine the attitudes of the local community that may support or hinder the use and expression of art for its members. Local data/information will be used to determine how culture can influence local and state school curricula. Instructional design processes that include developing objectives, assessments, and learning activities will be used to learn and apply content. (General Education – Humanities or Literature) **Three semester hours.**

**ART 302. SCULPTURE II**
Development of contemporary sculptural techniques and processes with emphasis on sculptural exhibits. Prerequisites: ART 202 or permission of the instructor. Two three-hour labs or three two-hour labs. **Three semester hours.**

**ART 303. PHOTOGRAPHY II**
Expanding upon the topics covered in Photography I – including digital printing, lighting controls, imaging software skills, the creative process, medium format photography, film scanning, and portfolio presentation. Various mediums will be explored. A photographic themed project will be produced for the final project. A SLR Digital camera with manual controls is required. Prerequisite: ART 203 or permission of the instructor. Two three-hour labs or three two-hour labs. **Three semester hours.**

**ART 304. GRAPHIC DESIGN STUDIO I**
Studio graphics course in intermediate graphic design. Greater specialization and individual problem solving in areas such as typography, layout, corporate identity design, illustration, advertising, self-promotion, etc. Prerequisite: ART 204 or permission of the instructor. Student laptop with Adobe Creative Suite software is required for this course. Two three-hour labs or three two-hour labs. **Three semester hours.**

**ART 305. PAINTING II**
Exploration and development of color relationships and compositional forms. Prerequisite: ART 205 or permission of the instructor. Two three-hour labs or three two-hour labs. **Three semester hours.**

**ART 306. PRINTMAKING II**
Further exploration of materials and methods of printmaking and personal expression in the media. Prerequisite: ART 206 or permission of the instructor. Two three-hour labs or three two-hour labs. **Three semester hours.**

**ART 307. CERAMICS II**
Intermediate ceramics design. Continued development of skill and process knowledge in ceramic media through various construction techniques and surface design. Prerequisites: ART 207. May be repeated for additional credit. Six hours of lab contact per week. **Three semester hours.**

**ART 308. WEB DESIGN I**
An introductory course in Web Design, where students will learn basic web terminology including HTML language and the artistic and practical aspects of creating effective web pages. Students will spend time in the lab environment learning about the foundations of website creation, develop a historical understanding of the evolution of the web, and conduct research on industry-standard design guidelines and trends. The focus of this course over the semester will be based on the planning, designing and development of a student’s own unique portfolio website using the latest Adobe software. Prerequisites: ART214 or permission of the instructor. **Three semester hours.**

**ART 309. WESTERN ART FROM PREHISTORY TO THE RENAISSANCE**
Studies in ancient, medieval, Gothic and early Renaissance periods of Art History. **Three semester hours.**

**ART 310. WESTERN ART FROM THE RENAISSANCE TO THE TWENTIETH CENTURY**
Studies beginning with High Renaissance and continuing to the present. **Three semester hours.**

**ART 311. ART OF THE TWENTIETH CENTURY**
Major developments in painting and sculpture from Impressionism to the present. **Three semester hours.**
ART 312. ISLAMIC ART AND CULTURE
This course examines the beginning and development of Islamic art and architecture around the world from the 7th to the 19th century. Beginning with a discussion of Islam, Muhammad, the Qur’an, and a definition of “Islamic” art, the roles and meanings of divine structures such the Ka’ba in Mecca and the Dome of the Rock in Jerusalem will be discussed. The rapid spread of Islam to the east and west during the 9th-11th centuries created a new vocabulary for Islamic art and architecture, combining existing Byzantine and Persian models with Islamic motifs. Subjects covered will include: the roles of the written word and epigraphy, ritual and pilgrimage, private vs. public spaces, and political propaganda through the visual arts. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

ART 314. FAR EASTERN ART HISTORY
A survey of the art and culture of China, Japan, Korea, and India. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

ART 315. HISTORY OF PHOTOGRAPHY
Examines the role photography has played reflecting and shaping culture from its emergence in the 19th century to the digital revolution currently underway. Emphasizes what it means to photograph, to be photographed, and to view photographers as part of an audience. Although the emphasis is on photography as a fine art and its relationship to the other arts, topics include documentary photography and photojournalism, fashion and portraiture, and the use of photography in mass media. Three semester hours.

ART 316. HISTORY OF AMERICAN ART
A survey of the history of art in American from the age of Columbus to modern times. The history will include painting, sculpture, architecture and printmaking. Three semester hours.

ART 320. ADVANCED DRAWING
Studio course for majors and minors. Designed to further develop drawing skills, with exploration of ideas, materials and media. Experimentation in generating alternative approaches to drawing problems also stressed. May be repeated for additional credit up to a total of six credit hours. Only one ART 320 may be taken per semester. Prerequisites: ART 103 and ART 104 and ART 105 and ART 106 or permission of the instructor. Six hours of lab contact per week. Three semester hours.

ART 350. SPECIAL TOPICS IN ART
This course focuses on selected topics in the visual arts. Topics will be announced prior to early registration. This course may be repeated for additional credit as the topic changes. Prerequisite: ART 103, ART 104, ART 105 and ART 106 or by permission of the instructor. Three semester hours.

ART 351. ENVIRONMENTAL GRAPHIC DESIGN
Studio elective course for majors in Visual Arts with Graphic Design emphasis. Theory, design, and fabrication of graphic design and wayfinding systems for museum, corporate, educational, and other public use spaces. Prerequisites: Art major status; grade of “C” or above in ART 224 and ART 308. Six hours of lab contact per week. Three semester hours.

ART 371. TOPICS IN ART HISTORY
These special courses in art history are to be announced by the department. They include subjects unlikely to be offered more than once in a great while. These courses are not sequential. Three semester hours.

ART 401. SENIOR EXHIBITION
This course fulfills the senior exhibition requirement for visual art majors. Course content will include practical experience in installing an exhibition, which will encompass such things as matting and framing, publicity, labeling, and hanging the actual exhibition. It is restricted to visual art majors who have applied to the art faculty. Normally taken during semester of graduation. Prerequisite: Approval by art faculty. One semester hour.

ART 402. SCULPTURE III
Further exploration and development in sculpture with emphasis on conceptual development and public art installations. Prerequisite: ART 302 or permission of the instructor. ART 402 may be repeated for additional credit. Two three-hour labs or three two-hour labs. Three semester hours.

ART 403. PHOTOGRAPHY PORTFOLIO PROJECT
This course is designed to provide students experience in identifying the characteristics of successful photographic themes, developing a personal thematic element through repetition and emphasis, editing, and
creating a portfolio of meaningful images. Students also produce an independent photographic project that expands on the knowledge gained from previous courses. A SLR Digital camera with manual controls is required. May be repeated for additional credit. Prerequisite: ART 303 or permission of the instructor. Two three-hour labs or three two-hour labs. Three semester hours.

ART 404. GRAPHIC DESIGN STUDIO II
Studio graphics course in advanced graphic design. Greater specialization and individual problem solving in areas such as typography, layout, corporate identity design, illustration, advertising, self-promotion, etc. Focus on production for portfolio. ART 404 may be repeated for additional credit. Prerequisite: ART 304 or permission of the instructor. Student laptop with Adobe Creative Suite software is required for this course. Two three-hour labs or three two-hour labs. Three semester hours.

ART 405. PAINTING III
Exploration and development of color relationships and compositional forms. Prerequisite: ART 205 or permission of the instructor. Two three-hour labs or three two-hour labs. Three semester hours.

ART 406. PRINTMAKING III
Further exploration of materials and methods of printmaking and personal expression in the media. ART 406 may be repeated for additional credit. Prerequisites: ART 306 or permission of the instructor. Two three-hour labs or three two-hour labs. Three semester hours.

ART 407. CERAMICS III
Design and processes for hand building, firing, and finishing ceramic art forms. ART 407 may be repeated for additional credit. Prerequisites: Grade of “C” or better in ART 103, ART 104, ART 105, ART 106, ART 207, and ART 307 or permission of instructor. Two three-hour labs or three two-hour labs. Three semester hours.

ART 408. WEB DESIGN II
An advanced course in web design and web-based animation. Studio lab experience in creatively using graphic design industry standard software including Adobe Photoshop, Illustrator, InDesign, Muse and Animate. In addition, this course will give students the practical knowledge to effectively plan, create and deliver web interfaces for Computers and Mobile Devices. An examination of the concepts and methodologies used in emerging technologies will enable students to begin to start thinking ‘mobile’. Students will research mobile technologies and develop projects around their research, with an emphasis on making their portfolio site responsive. Student laptop with Adobe Creative Suite software is required for this course. Prerequisites: ART 308 or permission of the instructor. Three semester hours.

ART 424. INTEGRATED ARTS INSTRUCTIONAL STRATEGIES: ART
Elementary education students (grades 2-6) learn to (1) develop a unit of instruction integrating instructional strategies of art and social studies pedagogy, (2) use visual arts as a primary means of communication as well as (3) use the visual arts to make connections with other arts disciplines. Prerequisite: Restricted to Early Childhood, Elementary, and Special Education majors. Co-requisite: Taken concurrently with EDUC 424. One semester hour.

ART 451. SECONDARY METHODS FOR THE ART TEACHER
Involves the student in creative activities with a variety of media, as well as the process of designing lesson plans, assessments, technology for teaching, and curriculum structures. Prerequisite: ART 221 or permission of instructor. Three semester hours.

ART 490. INTERNSHIP
Student participates in practical work experience related to the field of art. Internship is supervised by one faculty member. One to nine semester hours.

ART 499. ART ISSUES
A capstone professional practices course in visual art. Team-taught as seminars and workshops, topics include art ethics, graduate schools, job connections, portfolio preparation, resumes, interviewing, senior exhibit, exit assessment evaluations, and study of works and lifestyles of contemporary/living artists. To be taken in senior year. One semester hour.
ART 550. SPECIAL TOPICS IN ART
Identified topics in education available for a specific group of professional personnel with common concerns. Topics included may be designed to provide recertification credit for elementary and secondary school teachers. This course may be repeated for additional credit as topics change. Three semester hours.

BIOLOGY

BIOL 101. GENERAL BIOLOGY
This laboratory science course provides non-majors with an introduction to the foundational themes of biology. Topics include scientific inquiry, cellular processes, reproduction, genetics, evolution, ecology, and conservation biology. This course cannot be used to satisfy the requirements for the biology major or biology minor. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) Four semester hours.

BIOL 102. ORGANISMAL BIOLOGY
This laboratory science course provides non-majors with a survey of biological diversity. Students will examine the major groups of prokaryotes, protists, plants, fungi, and animals in both classroom and field settings. Form and function, ecology, and evolutionary relationships are emphasized. This course cannot be used to satisfy the requirements for the biology major or biology minor. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) Four semester hours.

BIOL 103. PLANTS AND PEOPLE
This is a survey course that examines the interdependence of humans and plants. Emphasis is placed on the aspects of plant biology that supply humans with food, medicine, clothing, shelter, and material goods as well as those that produce stimulating, intoxicating, or harmful effects. Students will learn basic principles of plant taxonomy, structure, physiology, genetics, and defense, as well as the history of plant use by humans. This course cannot be used to satisfy the requirements for the biology major or biology minor. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) Four semester hours.

BIOL 111. PRINCIPLES OF BIOLOGY I
One half of a two-semester introduction to biology designed to prepare the student for further study in scientific and medical fields. Topics include the scientific method and biological inquiry, genetics, ecology, evolution, and the history of life. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) Four semester hours.

BIOL 112. PRINCIPLES OF BIOLOGY II
One half of a two-semester introduction to biology designed to prepare the student for further study in scientific and medical fields. Topics include the scientific method and biological inquiry, cell structure, metabolism, the cell cycle, and inheritance. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) Four semester hours.

BIOL 202. HUMAN ANATOMY
Each organ system of the human body is studied. Both gross and microscopic anatomy are covered, with emphasis placed on the relationship between structure and function. No prerequisite. Three lecture hours and three laboratory hours weekly. Four semester hours.

BIOL 203. HUMAN PHYSIOLOGY
The course uses an organ system approach. The normal functions of each organ system are covered with a strong emphasis on functions at the cellular level as well as the organ level. A strong chemistry background is essential for the successful completion of this course. Prerequisites: a grade of “C” or better in BIOL 202. Three hours lecture and three hours laboratory weekly. Four semester hours.

BIOL 204. MICROBIOLOGY
A study of microorganisms with emphasis placed on those directly related to health problems, with special references to epidemiology and diagnostic procedures. Three hours lecture and three hours laboratory weekly. (Does not fulfill Biology degree requirements.) Prerequisites: CHEM 105-106 or CHEM 111-112, “C” or better in BIOL 202-203. Four semester hours.

BIOL 213. BOTANY
This course covers evolution, diversity, reproduction, development, structure, and function of the Plantae. Three hours lecture, three hours laboratory weekly. Prerequisite: “C” or better in BIOL 111. Four semester hours.
BIOL 214.ZOOLOGY
This course provides a survey of invertebrate and vertebrate animals covering their diversity, morphology, behavior, and evolution. Three hours lecture, three hours laboratory weekly. Prerequisites: “C” or better in both BIOL 111 and BIOL 112. Four semester hours.

BIOL 270.SPECIAL TOPICS IN BIOLOGY
Designed to provide students with a broader knowledge and understanding of biology, this course will involve the study of topics not currently included, or not covered in depth, in the regular curriculum. Possible formats include (but are not limited to) seminar, field study, laboratory study, lecture, or a combination of these, depending on the topic covered. May be taken for additional credit as topic changes. Prerequisite: Permission of instructor. One to four semester hours.

BIOL 291.BIOLOGY TEACHING PRACTICUM
Designed to give students practical experience in teaching biology courses required for their major. Student will assist instructor in a selected biology course. Prerequisite: “B” or better in the course for which the student desires to take the practicum, permission of the instructor for that course. Graded Pass/Fail. Does not count toward Biology elective credit. One semester hour.

BIOL 299.SOPHOMORE SEMINAR IN BIOLOGY
The first in a series of three required academic and professional development courses, this offering will include instruction and active learning in the following areas: careers in biology and admissions requirements for graduate and professional schools, bioethics, plagiarism, finding reputable sources of scientific information, and communication skills pertaining to the sciences. Pre-requisite: “C” or better in BIOL 111 and BIOL 112. One semester hour.

BIOL 303.EVOLUTION
This course introduces students to the principles of evolutionary biology through discussion and lecture. Topics include the history of evolutionary biology, mechanisms of evolution, population genetics, history of life, relationships between speciation and extinction, basic phylogenetic methods, coevolution, and human evolution. Three hours lecture weekly. Prerequisites: “C” or better in both BIOL 111 and BIOL 112. Three semester hours.

BIOL 304.PATHOPHYSIOLOGY
A study of the underlying principles of physiologic dysfunction; to include circulatory, metabolic, immune, and endocrine disturbances, degenerative processes, genetic disorders, the inflammatory process, and neoplasia. Three hours lecture. Prerequisite: “C” or better is BIOL 203. Three semester hours.

BIOL 306.ECOLOGY
This course is a study of the relationships between organisms and their environment. Topics will include population dynamics, community interactions, and ecosystem processes. Laboratory and field exercises provide experience with experimental design in ecology as well as data analysis and interpretation. Three hours lecture, three hours laboratory weekly. Prerequisites: MATH 211, “C” or better in BIOL 111, and either BIOL 213, 214, 303 or GEOL 111. Four semester hours.

BIOL 307.ANIMAL DEVELOPMENT
This course is a study of animal development and embryogenesis in both vertebrate and invertebrate model systems. Emphasis is placed upon the cellular, molecular, and genetic mechanisms underlying differentiation, morphogenesis, and developmental pattern formation. Three hours lecture, three hours laboratory weekly. Prerequisite: “C” or better in BIOL 312. Four semester hours.

BIOL 308.COMPARATIVE VERTEBRATE ANATOMY
This course is an in-depth comparative survey of the organ systems of vertebrate animals with emphasis on phylogeny and functional morphology. Three hours lecture, three hours laboratory weekly. Prerequisite: “C” or better in BIOL 214. Four semester hours.

BIOL 311.ANIMAL PHYSIOLOGY
This course stresses the physical and chemical bases underlying physiological functions and regulatory processes in the organ systems of vertebrates. Three hours lecture, three hours laboratory weekly. Prerequisite: BIOL 299. Four semester hours.

BIOL 312.GENETICS
This course is an introduction to the history and fundamental principles of genetics and patterns of inheritance. Topics include classical Mendelian genetics, genetic mapping, and a survey of microbial, biochemical, human,
and population genetics. The laboratory provides an introduction to the basic methods of genetic research and genetic analysis. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221 and “C” or better in BIOL 111, BIOL 112, and BIOL 299. Four semester hours.

BIOL 313. PLANT ANATOMY
A study of the structure and development of vascular plant cells, tissues, and organs. Emphasis is placed on the relationships between structure and function as well as the evolutionary origins of major plant structures. Three hours lecture, three hours laboratory weekly. Prerequisite: “C” or better in BIOL 213 or permission of the instructor. Four semester hours.

BIOL 399. JUNIOR SEMINAR IN BIOLOGY
The second in a series of three required academic and professional development courses, this offering is designed to improve student facility in sourcing, interpreting, critiquing, summarizing, and presenting biological information from the primary literature. Additional goals include guiding students in preparation for graduate and professional school exams and the assembly of their academic portfolios. Prerequisite: BIOL 299 and “C” or better in either BIOL 213, BIOL 214, or BIOL 303. One semester hour.

BIOL 401. CELL BIOLOGY
A study of the structure, function, and organization of cells, including subcellular compartmentalization, membrane systems, protein targeting, cell transport, energetics, the cytoskeleton, cell motility, the extracellular matrix, regulation of the cell division cycle, signal transduction and cell-cell interactions. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221, “C” or better in BIOL 112 and 312. Four semester hours.

BIOL 403. MOLECULAR GENETICS
This course is a study of the structure, organization, and regulation of genetic material. Emphasis is placed on the molecular and biochemical regulation of genome replication, gene expression, and on the molecular techniques used in DNA manipulation. Three hours lecture, three hours laboratory weekly. Prerequisites: “C” or better in BIOL 312. Four semester hours.

BIOL 407, 408, 409, 410. BIOLOGY RESEARCH
This course involves directed laboratory or field research in biology. Students will be responsible for writing a research proposal, designing experiments; collecting, analyzing, and interpreting data; and communicating their findings to the biology faculty. Prerequisite: “C” or better in BIOL 299 and permission of supervising faculty member. One to four semester hours.

BIOL 412. GENETICS RESEARCH
This course involves directed laboratory research in genetics. Projects are expected to be of sufficient depth and breadth to encompass a minimum of two semesters of laboratory research. Students will register for credit during their final semester of research. A public seminar on research results must be presented during the semester in which course credit is granted. Prerequisite: “C” or better in BIOL 312. Four semester hours.

BIOL 415. LIMNOLOGY
This course is a study of the biological, physical, and chemical characteristics of freshwater systems. Emphasis will be placed on the ecology of lakes, streams, and rivers. Laboratory exercises provide experience with experimental design and data analysis through investigations of limnological concepts in field and laboratory settings. Three hours lecture, three hours laboratory weekly. Prerequisites: MATH 211 and a grade of “C” in either BIOL 303 or BIOL 306. Four semester hours.

BIOL 421. GENERAL MICROBIOLOGY
Using examples from bacteria, protozoa, fungi, and viruses, the following concepts will be emphasized: evolution, microbial structures & functions, metabolic diversity, microbial genetics, interactions within systems, impact of microbes on the environment and humans, and microbial control. Laboratory skills in manipulating, culturing, enumerating, and identifying microbes will also be emphasized. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221 and “C” or better in BIOL 299 and BIOL 303 or permission of instructor. Four semester hours.

BIOL 422. IMMUNOLOGY AND SEROLOGY
This course is an introduction to the following concepts: evolution and the structures and functions of the mammalian immune system, genetic and molecular mechanisms of diverse immune responses, and coordination of immune
responses and their dysfunction. Laboratory skills include performing fundamental immunological & serological techniques. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221, “C” or better in BIOL 299 and BIOL 303, or permission of instructor. *Four semester hours.*

BIOL 430-431.MEDICAL TECHNOLOGY INTERNSHIP
Internship for a minimum of twelve months under the direction of hospital instructional staff. Coursework will generally include 10 hours clinical chemistry, 4 hours blood banking, 5 hours hematology & hemostasis, 3 hours immunology, 8 hours clinical microbiology, 2 hours urinalysis, and 2 hours special topics in medical technology. The Professional Concerns general education requirement is an integral component of special topics in medical technology. Prerequisites: Required courses and hospital accreditation by NAACLS. These courses are not sequential. *Fifteen semester hours per course.*

BIOL 470.SPECIAL TOPICS IN BIOLOGY
Designed to provide students with a broader knowledge and understanding of biology, this course will involve detailed study of advanced topics not currently included, or not covered in depth, in the regular curriculum. Possible formats include (but are not limited to) seminar, field study, laboratory study, lecture, or a combination of these, depending on the topic covered. May be taken for additional credit as topic changes. Prerequisite: Permission of instructor. *One to four semester hours.*

BIOL 490.BIOLOGY INTERNSHIP
This course involves practical experience in an approved biology-related work situation. The experience will be supervised by a site supervisor as well as a member of the Biology faculty, who will make at least one visit to the job site. The student will maintain and submit a folio of experiences and write a final paper summarizing the experience and the knowledge gained from it. The student is responsible for meeting all living and travel expenses. A minimum of 6 hours per week of on-the-job experience for at least 13 weeks is required for each hour of credit. Prerequisites: C or better in BIOL 299 and BIOL 303, a minimum 2.6 science GPA, and a minimum 2.75 institutional GPA. *One to three semester hours.*

BIOL 498.SENIOR SEMINAR IN GENETICS
An examination of current research in genetics. May include reading and analysis of research papers, research seminars presented by students or by invited guest geneticists. Graded pass/fail. Prerequisites: “C” or better in BIOL 312 and senior class standing. *One semester hour.*

BIOL 499.SENIOR SEMINAR IN BIOLOGY
The third in a series of three required academic and professional development courses, this offering is designed to be taken during the student’s final spring semester at Lander. It will include an oral presentation of a faculty approved literature-based research topic in biology, which should represent a culmination of biological knowledge and communication skills gained in the prerequisite courses. This course will include end-of-program assessments. Prerequisites: BIOL 299 and BIOL 399 and at least 16 hours of BIOL 300-400 level coursework with a “C” or better and permission of the instructor. *One semester hour.*

BUSINESS ADMINISTRATION

BA 101.INTRODUCTION TO BUSINESS
A course open to all students interested in a survey of the activities that occur in a business organization. The dynamics of how business influences the consumer, the nation, and world are emphasized. (General Education – Political Economy) *Three semester hours.*

BA 205.MANAGEMENT INFORMATION SYSTEMS I
An introduction to computers emphasizing concepts of computer hardware, software, and operations. Software coverage includes business applications programs of word processing, spreadsheets, and presentation development. *Three semester hours.*

BA 226.INTRODUCTION TO ANALYTICAL METHODS
Introduction to the concepts and applications of analytical methods with an emphasis on decision making in business. Within a business perspective, topics covered include descriptive statistics, statistical inference, probability, hypothesis testing, linear regression, and analysis of variance. Prerequisite: “C” or better in MATH 211. *Three semester hours.*
BA 251. LEGAL ENVIRONMENT OF BUSINESS
An introduction to the legal process to demonstrate its effects on business. Emphasis is placed on legislative, administrative, and common law, stressing topics affecting business such as environmental issues, consumer rights, and special and ethical problems confronting business management; thus, the focus is on public law, the regulation of business, and legal trends rather than on detailed private law. Three semester hours.

BA 299. PROFESSIONAL DEVELOPMENT I
A seminar course to support the development of entry-level business skills and to enhance career planning through self-discovery. Emphasis is placed on oral business communications, critical self-assessment and developmental planning, time management skills, and professional decorum. Prerequisites: “C” or better in ENGL 102 and BA 101 and sophomore status. Two semester hours.

BA 304. MANAGEMENT INFORMATION SYSTEMS
This course studies the role of Management Information Systems in organizations. Topics include various enterprise systems, implementing systems, networks, information management, decision making, and the latest trends in information systems. Prerequisite: BA 101. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

BA 309. FINANCIAL SERVICES
This class will introduce students to the domestic and global financial services industry. This class focuses on the four major industry segments - banking, insurance (risk management), investments, and real estate. Students will study the fundamentals of these industries – discussing markets, major companies and competitors, government regulation and the basic financial structures of these businesses. In addition we will also review the opportunities and credentials required for employment in the various sectors. Prerequisite: Junior or senior status. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

BA 325. ADVANCED ANALYTICAL METHODS
This course emphasizes quantitative decision making processes. Decision Analysis, Linear Programming, Transportation Models, and PERT/CPM are the principal thrust of the course. Excel is used extensively throughout the class. Prerequisite: BA 226. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

BA 351. BUSINESS ETHICS
This course provides students with the foundation to recognize environmental factors that influence ethical decision-making in today’s global business community and to formulate possible solutions using a process or model for making ethical choices in business. International corporate social responsibility is also discussed. For business majors using this course as an elective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

BA 369. BUSINESS TOPICS
This course provides an investigation of topics or issues that have not been a part of the existing business curriculum. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 201 or ECON 202, and ENGL 275 with a “C” or better. One to six semester hours.

BA 390. INTERNATIONAL BUSINESS
This course provides a broad overview of globalization, international trade, the international monetary system, foreign exchange markets, global capital markets, exchange rate determination, interest rate parity, purchasing power parity, country differences in legal systems, political systems, economic systems, language, culture, labor costs, resource endowments, tariffs, import and export regulations, trade agreements, and regional economic integration. Each of these factors requires significant changes in how individual business units operate from one country to the next. (General Education - Global Issues/Nonwestern Studies). Prerequisite: Junior or senior status and an institutional GPA of 2.5 or better. Three semester hours.
BA 399. PROFESSIONAL DEVELOPMENT II
This seminar course builds on BA 299 by expanding career planning knowledge, skills, and abilities. Topics include: teamwork, career planning, resume development, professional networking, and interviewing. Prerequisites: “C” or better in BA 299, institutional GPA of 2.5 or better and junior status. One semester hour.

BA 414. BUSINESS STRATEGY
This capstone course focuses on the process of strategic management in small and large organizations. This involves the evaluation of the organization’s situation, analysis and selection of strategic alternatives, and implementation and evaluation of the strategic plan. Prerequisites: “C” or better in BA 304, FINA 301, MGMT 330, MKT 301, and an institutional GPA of 2.5 or better; co-requisite: BA 325. Three semester hours.

BA 490. BUSINESS INTERNSHIP
This course is designed to give students a practical work experience in a field related to their majors. The student works through an approved agency or business under the supervision of professional employees and a faculty member from the School of Management. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. May be taken for additional credit for a maximum of six hours; only three hours may be used as a selective. Internships are dependent upon availability of positions. Prerequisites: Senior status in major; minimum of a 2.5 institutional GPA; and permission of instructor. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institution GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. One to six semester hours.

BA 491. BUSINESS INTERNSHIP II
This course is designed to give students additional practical work experience in a field related to their majors. The student works through an approved agency or business under the supervision of professional employees and a faculty member from the School of Management. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. This course may be taken for additional credit for a maximum of six hours; only three hours may be used as a selective. Internships are dependent upon availability of positions. Prerequisites: BA 490, senior status in the major, minimum of a 2.5 Institutional GPA, and permission of instructor. One to six semester hours.

BA 499. PROFESSIONAL DEVELOPMENT III
A seminar course that builds on BA 399 and reinforces professional knowledge, skills, and abilities that transcend business disciplines and are important to success in any business career. Topics include business etiquette, job search strategies, communication packages, and interviewing. The course also includes assessment requirements for the University and business administration program. Prerequisite: “C” or better in BA 399 and co-requisite: BA 414. One semester hour.

CALL ME MISTER

CMM 101. CALL ME MISTER – INTRODUCTORY SEMINAR 1
This seminar series examines the origins of the MISTER initiative and a series of topics associated with development of leadership skills in preparation for the teaching profession. Attendance at Call Me MISTER activities required. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.

CMM 102. CALL ME MISTER – INTRODUCTORY SEMINAR 2
This seminar extends the study of the origins of the MISTER initiative and continues the series of topics associated with the development of leadership skills in preparation for the teaching profession. Attendance at Call Me MISTER activities required. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.

CMM 201. CALL ME MISTER – LEADERSHIP SEMINAR 1
This seminar series will focus on the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs’ abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.
CMM 202. CALL ME MISTER – LEADERSHIP SEMINAR 2
This seminar series will continue to focus on the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs’ abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental and to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.

CMM 301. CALL ME MISTER – LEADERSHIP SEMINAR 3
This seminar series will extend the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs’ abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.

CMM 302. CALL ME MISTER – LEADERSHIP SEMINAR 4
This seminar series will extend the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs’ abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.

CMM 401. CALL ME MISTER – LEADERSHIP SEMINAR 5
This seminar series will be a culmination of the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs’ abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.

CMM 402. CALL ME MISTER – LEADERSHIP SEMINAR 6
This seminar series will be a culmination of the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs’ abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. One semester hour.

CHEMISTRY
CHEM 101. INTRODUCTION TO CRIMINALISTICS
Students will learn how science aids the justice system through crime scene analysis, the collection and preservation of evidence, and laboratory techniques. Laboratory methods commonly employed in the analysis of evidence will be discussed. Topics include drugs, fingerprints, ballistics, and trace evidence. Three hours lecture weekly. Three semester hours.

CHEM 103. CONSUMER CHEMISTRY
A basic course for non-science majors which stresses the fundamental concepts of chemistry and applies them to the everyday world of the consumer. Topics covered include the metric system, atomic structure, chemical formulas, nuclear medicinal chemistry, organic polymer chemistry, dental chemistry, home products such as soaps and detergents, pharmaceutical drug chemistry, acids and bases, and food chemistry. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) Four semester hours.

CHEM 105-106. ESSENTIALS OF INORGANIC, ORGANIC, AND BIOCHEMISTRY
A two-semester sequence for non-science majors. Biochemically significant substances and phenomena are used as the basis for understanding principles of general, organic, and biochemistry. Recommended course for nursing majors. Three hours lecture, three hours laboratory weekly. CHEM 105 or CHEM 111 is a prerequisite for CHEM 106. (General Education – Laboratory Science) Four semester hours per course.

CHEM 111-112. GENERAL CHEMISTRY
A systematic treatment of chemical principles. Topics include atomic structure, chemical bonding, states of matter, thermodynamics, equilibrium principles, kinetics, acid-base theory, electrochemistry, coordination
compounds, and radiochemistry. Three hours lecture, three hours laboratory weekly. CHEM 111 is a prerequisite for CHEM 112. (General Education – Laboratory Science) Four semester hours per course.

CHEM 198. SCIENTIFIC COMMUNICATIONS I
A study of all aspects of technical communications in both academic and professional contexts. Emphasis will be placed on how to interpret and produce evidence based arguments in written media. One hour lecture weekly. One semester hour.

CHEM 199. SCIENTIFIC COMMUNICATIONS II
A study of all aspects of technical communications in both academic and professional contexts. Emphasis will be placed on how to interpret and produce evidence based arguments in oral presentations. One hour lecture weekly. One semester hour.

CHEM 205. CHEMISTRY OF BREWING
This course studies the chemistry of the brewing process. It will cover the history of major developments in the brewing process, the chemistry of converting grains into malt, the chemistry of converting malt into wort, and the chemistry of the fermentation process which will convert the wort into a finished beer. The basics of quality control and quality assurance will also be covered. Prerequisite: Students must be 21 years of age or older on the first day of class. Three hours lecture weekly. Three semester hours.

CHEM 221-222. ORGANIC CHEMISTRY
The aliphatic hydrocarbons, aromatic hydrocarbons and heterocyclic compounds and their derivatives are covered with emphasis on structure, nomenclature, class reactions of functional groups and mechanisms of organic reactions. Structural analysis of infrared, nuclear magnetic resonance, and mass spectroscopy is stressed second semester. Three hours lecture, three hours laboratory weekly. Prerequisite: CHEM 112 or approval of instructor. “C” or better in CHEM 221 is a prerequisite for CHEM 222. Four semester hours per course.

CHEM 260. MICROSCOPICAL METHODS
Practical applications of polarized light microscopy; a study of how microscopes can be used to measure optical properties and obtain chemical information from extremely small samples. Topics include optics, micrometry, crystallography, microchemistry, optical staining, and microthermal methods. Prerequisite: CHEM 221. Three hours lecture weekly. Three semester hours.

CHEM 299. SCIENTIFIC COMMUNICATIONS III
A study of all aspects of technical communications in both academic and professional contexts. Emphasis will be placed on how to interpret and produce various methods of data representations. One hour lecture weekly. One semester hour.

CHEM 301. BIOCHEMISTRY
This course addresses fundamental concepts in biochemistry focusing upon the major macromolecules and chemical properties of living systems. Primary topics include the structure, function, and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; the physical properties of water, pH, and biological buffers; enzyme kinetics and regulation. Three hours lecture weekly. Prerequisite: CHEM 221. Three semester hours.

CHEM 311. ADVANCED ORGANIC CHEMISTRY
Advanced organic reactions and their mechanisms, especially those associated with pharmaceuticals, bicyclics, and polymers; practical applications of infrared and nuclear magnetic resonance spectroscopy for determining the structures of organic molecules; special topics of current interest: stereochemistry, nomenclature, cyclic systems, and molecular orbital theory. Three hours lecture weekly. Prerequisite: “C” or better in CHEM 222. Three semester hours.

CHEM 330. ANALYTICAL CHEMISTRY
A study of the basic techniques used in the separation and analysis of chemical substances. Gravimetric, volumetric, spectrophotometric, electrochemical, chromatographic, and potentiometric techniques will be discussed and utilized. Three hours lecture, six hours laboratory weekly. Prerequisites: CHEM 112 and MATH 211. Five semester hours.

CHEM 331. CHEMICAL INSTRUMENTATION
The theory and practice of modern methods of instrumental analysis, chromatographic, and spectroscopic techniques are discussed and utilized. Topics include UV-visible, infrared, Raman, atomic absorption and
emission, electron microscopy, fluorescence, mass spectrometry, liquid chromatography and gas-liquid chromatography. Three hours lecture, three hours laboratory weekly. Prerequisite: CHEM 330. Four semester hours.

CHEM 341. INORGANIC CHEMISTRY
Principles underlying the structure, occurrence and synthesis of inorganic substances, including: atomic and molecular structure, periodic relationships, chemical bonding, chemistry and structure of non-transition elements, chemistry and structure of transition elements and modern experimental methods in inorganic chemistry. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 222, CHEM 330. Four semester hours.

CHEM 351. INTRODUCTION TO CHEMICAL ENGINEERING
Fundamental concepts of chemical engineering, including mass and energy balances, PVT relations for gases and vapors, and elementary phase equilibria. Use of numerical methods for solution of typical chemical engineering problems. Three hours lecture, two hours laboratory weekly. Prerequisites: CHEM 112, PHYS 212. Four semester hours.

CHEM 360. TOXICOLOGY
Basic principles of toxicology including quantitation of toxicity, biochemical action of toxicants, and population effects of poisons are studied. Both legacy and emerging contaminants are addressed (pesticides, industrial pollutants, metals, pharmaceuticals) in the context of sources, sinks, and efforts to create regulations. Prerequisites: CHEM 221 and BIOL 111. Three hours lecture weekly. Three semester hours.

CHEM 381. TECHNOLOGY, THE ENVIRONMENT AND YOU
Students are exposed to a variety of topics, such as air pollution, global warming, nuclear power, and fiber optics. The chemistry involved in understanding the topics is presented descriptively and qualitatively. The course examines the effects that these various topics have upon individuals and cultures throughout the world. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

CHEM 390. SPECIAL TOPICS IN CHEMISTRY
Courses designed to provide in-depth study of various topics in chemistry. Specific topics will be announced in advance. Prerequisite: Approval of instructor. (Limited to a maximum of four semester hours toward degree requirements.) One to four semester hours.

CHEM 401-402. PHYSICAL CHEMISTRY
A theoretical and experimental study of observed chemical phenomena, atomic and molecular level interpretation of chemical behavior. Includes properties of gases, thermodynamics, kinetics, molecular structure via spectroscopic methods, and quantum mechanics. Three hours lecture, three hours laboratory weekly. Prerequisite: PHYS 201 or 211. CHEM 401 is a prerequisite for CHEM 402. Four semester hours per course.

CHEM 407, 408, 409, 410. RESEARCH
Research on special topics for juniors and seniors in Chemistry. A minimum GPA of 3.0 is required. Repeatable for additional credit, but limited to a maximum of four semester hours toward degree requirements. Offered on demand to qualified students. These courses are not sequential. One to four semester hours.

CHEM 420. ENVIRONMENTAL CHEMISTRY
Origins, transport, reactions, effects, and fates of chemical species in water, air, terrestrial, and biotic environments. The theory and practice of modern chemical instrumentation are applied to environmental samples from a variety of sources. Three hours lecture weekly. Prerequisites: CHEM 221. Three semester hours.

CHEM 490. INTERNSHIP IN CHEMISTRY
Practical experience in an approved chemistry-related work situation. The experience will be supervised by a member of the chemistry faculty. The student will maintain a folio of experiences and will submit it and a final paper summarizing the experience and the knowledge gained. The student is responsible for meeting all living and travel expenses. A minimum of 6 hours/week of on the job experience for at least 10 weeks is required for each hour of credit. May be repeated for a maximum of 12 hours. Prerequisite: CHEM 112. Graded on a pass/fail basis. One to twelve semester hours.
CHINESE

CHIN 101. ELEMENTARY CHINESE I
An introductory course designed to develop speaking, listening, reading, and writing skills as well as an awareness of Chinese culture. Three semester hours.

CHIN 102. ELEMENTARY CHINESE II
An introductory course designed to develop speaking, listening, reading, and writing skills as well as an awareness of Chinese culture. Prerequisite: CHIN 101. Three semester hours.

COLLEGE SEMINAR

CSEM 101. COLLEGE SEMINAR
Designed to help students develop effective study skills that they will continue to use throughout their academic career. In College Seminar, students refine their skills through peer interaction and direct application of the newly acquired skills to their current coursework. The course examines various topics needed for college success (i.e. note taking, time management, concentration, study strategies, test taking strategies, and test anxiety.) Permission required by the Academic Success Center, Genesis Hall. Two semester hours.

COMPUTER INFORMATION SYSTEMS

CIS 101. COMPUTER FUNDAMENTALS
Characteristics and applications of computers in today’s society. Hands-on experience with microcomputers and a variety of applications software. This course is not designed as an introduction to programming and is not available for credit to students in Computer Information Systems or Mathematics majors. Prohibited to students currently enrolled in or having earned credit in CIS 102, CIS 111, CIS 112, CIS 113, and CIS 202. Three semester hours.

CIS 102. APPLICATION SOFTWARE
Designed to enable students to improve their personal productivity as knowledge workers. Topics include advanced software functionality, organization and management of data, webpage design and publishing, effective presentation design and delivery. Course environment will include both lectures and laboratory experience. Three semester hours.

CIS 111. COMPUTER PRODUCTIVITY APPLICATIONS I
This course is designed to improve students’ word processing productivity as knowledge workers. It covers basic to advanced functionality of word processing software with applications of this knowledge in organizational environments. This course will include both lecture and laboratory experience. One semester hour.

CIS 112. COMPUTER PRODUCTIVITY APPLICATIONS II
This course is designed to improve students’ spreadsheet productivity to organize and analyze information in tabular form as knowledge workers. It covers basic to advanced functionality of spreadsheet software with application of this knowledge in organizational environments. This course will include both lecture and laboratory experience. One semester hour.

CIS 113. COMPUTER PRODUCTIVITY APPLICATIONS III
This course is designed to improve students’ presentation productivity as knowledge workers. It covers presentation design, basic to advanced functionality of presentation software, and effective delivery with application of this knowledge in organizational environments. This course will include both lecture and laboratory experience. One semester hour.

CIS 120. FOUNDAMENTALS OF INFORMATION SYSTEMS AND INFORMATION TECHNOLOGY
An introduction to information systems and information technology. Topics include overview of computer hardware and software, management information systems, computer networking, organization and management of data, decision making, careers, and ethics. Prerequisite or co-requisite: CIS 130. Three semester hours.

CIS 130. PROBLEM SOLVING AND PROGRAMMING METHODS
An introduction to problem-solving and analytical methods. Topics include basic syntax and programming experience, stepwise refinement, and structured and modular design methods. Course environment will be both lecture and practicum. Prerequisite or co-requisite: One of the following: MATH 114, MATH 121, MATH 141, or MATH 211. (General Education – Logic & Analytical Thought) Four semester hours.
CIS 140. NETWORKING LAB
Designed to provide students with an understanding of the principles of computer networks and protocols through hands-on activities and experimentation. Topics include: static and dynamic addressing, building LANS and VLANS using switches, building internetworks using routers, configuring network components to allow or deny access, deploying and evaluating communication protocols using network utilities and server software that are used in present day network infrastructures, and other emerging topics. **One semester hour.**

CIS 202. COMPUTER APPLICATIONS FOR ENGINEERS
A course in solving engineering-oriented problems. Students learn how to use computer software including spreadsheets and a mathematical package. Prerequisite: MATH 141 with “C” or better, CIS 130 with “C” or better or previous programming experience. **Three semester hours.**

CIS 230. COMPUTER PROGRAMMING PRINCIPLES I
Problem solving and algorithm development. Includes programming style, structured programming, selection, iteration, arrays, modular programming, basic object-oriented programming concepts, strings, and files. Course environment will be both lecture and practicum. Prerequisite: “C” or better in CIS 130. **Four semester hours.**

CIS 231. COMPUTER PROGRAMMING PRINCIPLES II
A continuation of CIS 230 including recursion, object-oriented programming concepts, basic graphical user interface programming, and basic data structures. Prerequisites: “C” or better in CIS 230. **Four semester hours.**

CIS 234. INTRODUCTION TO C/C++ PROGRAMMING
Problem solving and algorithmic development in C/C++ programming language in a Unix-like environment. Includes programming style, structured programming, selections, iteration, arrays, structures, unions, pointers, modular programming, and basic object-oriented programming. Course environment will be both lecture and practicum. Prerequisite: “C” or better in CIS 230. **One semester hour.**

CIS 240. INTRODUCTION TO DATA COMMUNICATIONS
This course covers networking and telecommunications concepts and standards. Topics include wired and wireless transmissions, signal encoding techniques, digital data communication techniques, data link control, multiplexing, distributed and centralized computer systems, and the OSI model. Prerequisites: “C” or better in both CIS 120 and CIS 230. **Three semester hours.**

CIS 243. FUNDAMENTALS OF CYBERSECURITY
Designed to provide a holistic overview of the field of Cybersecurity. Topics include: security principles and policies, laws and regulations, security assessment and testing, asset protection, basic cryptography, authentication, ethics, malware, computer and network forensics, threat and vulnerability detection and protection, and other emerging topics. Prerequisite: “C” or better in CIS 130. **Three semester hours.**

CIS 250. INTRODUCTION TO E-COMMERCE
An introduction to organizational strategies and network informational technologies necessary to implement a variety of business models for connecting clients, businesses, government agencies, etc. for transfer of information using various kinds of computer networks. The course will also cover an introduction to business strategies, design of e-business solutions, and the technological architecture required to implement various e-business relationships (B2B, B2C, B2G, etc.). Prerequisite: CIS 120 with “C” or better. **Three semester hours.**

CIS 260. NETWORK AND SYSTEM ADMINISTRATION
Designed to introduce concepts essential to the administration of operating systems and networks. Topics include: application installation and configuration, user account management, understanding and management of file systems, file backup and restoration, basic operating system commands (including network related commands) and utilities, task automation using scripting, serial and parallel communication, and other emerging topics. Prerequisite: “C” or better in CIS 130. **One semester hour.**

CIS 290. COMPUTER INFORMATION SYSTEMS PRACTICUM
Designed to give students practical experience in tutoring computer information systems. Elective credit only. Graded as Pass/Fail. By permission of Department Chair only. Prerequisite: nine to eighteen semester hours in computer information systems courses at Lander with a GPR of at least 3.25 in these courses, or more than eighteen semester hours in computer information systems courses with a GPR of a least 3.0 in these courses. **One semester hour.**
CIS 300. NUMERICAL ANALYSIS
An introduction to scientific computing. The use of numerical methods in solving equations, systems of linear equations, and differential equations. Numerical integration. (Cross-listed as MATH 300). Students are encouraged to take CIS 102 or CIS 202. Prerequisites: MATH 142 (“C” or better) and CIS 130. Three semester hours.

CIS 320. INFORMATION SYSTEMS AND PRACTICE
This course will give students continuing experience with the theory of the Information Systems discipline. Application of these theories to the success of organizations and to the roles of management, users, and IS professionals is the focus of the course. Topics will include: systems theory and concepts; enterprise-wide information systems; functions and roles of information systems in organizations; decision support technologies including data warehouse, data mining, and artificial intelligence; information system strategies; information technology infrastructure; societal and ethical issues of IS; emerging technologies. Prerequisites: “C” or better in the following: CIS 120, CIS 230, and either CIS 102 or CIS 202. Three semester hours.

CIS 321. ANALYSIS AND DESIGN
Analysis and design of information systems with a focus on structured and object-oriented techniques, the software life cycle, modeling tools, development of team skills, and project management. Prerequisite or co-requisite: CIS 231. Prerequisites: CIS 120, and either CIS 102 or 202, all with “C” or better. Three semester hours.

CIS 330. SOFTWARE DEVELOPMENT: FUNDAMENTALS AND TECHNIQUES
Designed to cover fundamentals and recent techniques in software development. Topics may include but not limited to: user interface design and implementation, software development using patterns, data structures and algorithms, or multi-thread/multi-core programming. Prerequisites: “C” or better in CIS 231 and “C” or better in either CIS 102 or CIS 202. Repeatable for additional credit as topics change with permission of instructor. Three semester hours.

CIS 335. COMPUTER ORGANIZATION AND ARCHITECTURE
This course covers the functions and design of digital computer hardware at various levels of abstraction, below operating systems. Topics include data representations, digital logic, instruction set architecture, assembly language programming, addressing modes, memory hierarchy (cache memory and virtual memory), relationship with operating systems, and performance measurements. Prerequisites: “C” or better in CIS 230. Three semester hours.

CIS 340. COMMUNICATION PROTOCOLS
Principles of communication protocols including a comparison of the OSI and the TCP/IP reference models. This course includes an in-depth analysis of TCP/IP and application protocols built on top of TCP/IP or similar protocols. Prerequisite: “C” or better in CIS 240. Three semester hours.

CIS 341. THEORY OF DATA COMMUNICATIONS
In-depth study of data communications including design principles, standards, protocols, algorithms, architectures, models, and performance. Prerequisite: “C” or better in CIS 240. Three semester hours.

CIS 343. COMPUTER FORENSICS
Computer devices retain far more information that most people realize. Retrieving this information can provide considerable electronic evidence. Computer forensics is the forensic science discipline of acquiring, preserving, retrieving, and presenting electronic data. This course is designed to provide comprehensive understanding of computer forensics principles. Topics include: admissibility and preparation of electronic evidence, e-evidence preservation, chain of custody, examination of computers and digital media including operating systems, graphics files, and email, detecting intrusions, malware and fraud, legal and ethical issues and responsibilities, and other emerging topics. Prerequisite: “C” or better in CIS 243. Three semester hours.

CIS 344. NETWORK SECURITY AND FORENSICS
To secure a network, administrators must perform a variety of tasks ranging from giving access authorization to data and equipment, to preventing unwanted access and malicious attacks on data or network components. This course is designed to provide a comprehensive understanding of network security and the network forensic analysis principles used when faced with a security breach. Topics include: overview of network topologies, protocols, and infrastructure in the context of network security and forensic analysis, techniques for identifying network security breach incidents and potential sources of digital evidence, techniques for network data
acquisition and analysis, legal considerations and documentation of forensic processes and analysis, and other emerging topics. Prerequisites: “C” or better in CIS 240, CIS 243, and CIS 260. **Three semester hours.**

**CIS 345. INTRODUCTION TO CRYPTOGRAPHY**
Cryptography is an indispensable tool for protecting information in computer systems. This course is designed to introduce students to the inner workings of cryptographic systems and how to correctly use them in real-world applications. Topics include: stream ciphers, pseudo randomness, block ciphers, message integrity, hash functions, authenticated encryption, public-key encryption, and other emerging topics. Prerequisite: “C” or better in CIS 130 and CIS 243. **Three semester hours.**

**CIS 360. DATABASE DESIGN**
This course will cover the design and implementation of a database management system for use in the information system environment. Topics will include database organization models (relational and object oriented), the use of design tools, data dictionaries, data warehousing, data mining, as well as user interfaces and reporting. Prerequisites: CIS 120, CIS 230, and either CIS 102 or CIS 202, all with a “C” or better. Prerequisite or co-requisite: MATH 125 or MATH 325. **Three semester hours.**

**CIS 390. SPECIAL TOPICS**
Designed to provide in-depth analysis of topics in computer information systems. Prerequisites: CIS 120, CIS 230, and either CIS 102 or CIS 202, all with “C” or better, permission of instructor. **One to three semester hours.**

**CIS 410. RESEARCH IN COMPUTER INFORMATION SYSTEMS**
Research on special topics for juniors and seniors in computer information systems. Repeatable for additional credit, but limited to a maximum of four semester hours toward degree credit. Offered on demand. **Four semester hours.**

**CIS 440. SPECIAL TOPICS IN NETWORKING AND COMMUNICATIONS**
Designed to provide an in-depth analysis of topics related to computer networks and communications. Prerequisites: “C” or better in CIS 240 and permission of the instructor. **Three semester hours.**

**CIS 443. SPECIAL TOPICS IN CYBERSECURITY**
Designed to provide an in-depth study of topics related to Cybersecurity. Prerequisites: “C” or better in CIS 240, CIS 243, and CIS 260, or permission of the instructor. **One to three semester hours.**

**CIS 490. INTERNSHIP IN COMPUTER INFORMATION SYSTEMS**
Designed to give students practical work experience in a field related to their major. The students will work through an approved agency or business under the supervision of professional employees and a faculty advisor. Credit hours awarded determined on a case-by-case basis by the Department Chair and the Computer Information Systems faculty. Course grade will be determined based on the written evaluations of the faculty advisor and a written report rendered by the student. Prerequisites: “C” or better in both CIS 231 and CIS 321. **One to six semester hours.**

**CIS 498. DESIGN AND IMPLEMENTATION IN EMERGING ENVIRONMENTS**
This course will broaden students’ knowledge of analysis and logical design by implementing information systems of varying complexity in emerging systems environments. Students will work in teams or individually on several projects. Topics may include but are not limited to: selection of development environments and standards; structured, event driven, object-oriented, and distributed computing design paradigms; testing; software quality assurance; implementation; user training; system delivery; post-implementation review; maintenance. Prerequisites: CIS 231 with “C” or better, CIS 250, CIS 321, and CIS 360. **Three semester hours.**

**CIS 499. PROJECT IMPLEMENTATION AND MANAGEMENT**
Students operating as a high-performance team will engage in and complete the design and implementation of a significant information system. Project management, requirement analysis, design and implementation, systems integration, deployment and user training will be components of the project experience. Prerequisites: “C” or better in both CIS 231 and CIS 321 and completion of all but two other CIS courses and emphasis requirements, all but one with “C” or better. **Three semester hours.**
COOPERATIVE EDUCATION

COOP 281, 282.COOPERATIVE EDUCATION
A planned and evaluated work experience related to the student’s college major; the student will receive financial remuneration. Academic elective credit is available. A maximum of six co-op hours may be applied toward degree requirements. Prerequisites: Sophomore standing and cumulative GPA of 2.25 or better.

COOP 281.COOPERATIVE EDUCATION
One semester hour.

COOP 282.COOPERATIVE EDUCATION
Two semester hours.

COOP 283.COOPERATIVE EDUCATION
A full-time alternating Co-op program with a maximum of three terms. Students are considered full-time for purposes of financial aid deferment, insurance, and registration. However, the student does not earn any academic credit. Prerequisites: Sophomore standing and cumulative GPA of 2.25 or better. No credit, pass/fail.

COOP 284.COOPERATIVE EDUCATION
The American Council on Education (ACE) recommends that credit be granted for the following courses and Lander University will grant two (2) semester hours of credit in COOP 284 for each:
1. Disney Corporate Communications Course
2. Disney Human Resource Management Course
3. Disney Organizational Leadership Course
4. Disney Corporate Analysis Course
5. Disney Advanced Studies in Hospitality Management Course
6. Disney Creativity and Innovation Course

A student must present a copy of an official student record from the Registry of Credit Recommendations, American Council on Education, One Dupont Circle, Washington, DC 20036-1193 and must earn an overall score of 70% in each course for which the student desires credit. While up to a total of 12 semester hours of credit can be earned, only 6 hours of COOP credit may be applied toward degree requirements.

CRIMINAL JUSTICE

CJ 101.INTRODUCTION TO CRIMINAL JUSTICE
Introduction to the discipline of criminal justice, its concepts, institutions, processes, and theories, as well as an exploration of the relationships between communities and criminal justice agencies. (General Education - Behavioral Science) Three semester hours.

CJ 210.CORRECTIONS, PROBATION, AND PAROLE
This course explores the broad spectrum of the systems, processes, and people that constitute the field of corrections and examines the history of emergence and development of prisons and jails, probation, parole, and community-based corrections. Cross-listed with SOCI 210. Prerequisites: CJ 101, POLS 101, and SOCI 101. Three semester hours.

CJ 214.AMERICAN CRIMINAL JUSTICE SYSTEM

CJ 250.COMMUNITY RELATIONS AND POLICING
This course exposes students to the historical and current perspectives of the role of police in American society. Critical and controversial issues in modern policing will be explored. Cross-listed with SOCI 250. Prerequisites: CJ 101, POLS 101, and SOCI 101. Three semester hours.

CJ 271.SPECIAL TOPICS IN SOCIOLOGY OR CRIMINAL JUSTICE
Exploration of topics and issues not currently included in the criminal justice or sociology curriculum. This course is designed as an experimental course covering in-depth studies of interest. May be taken for additional credit as topic changes. Cross-listed with SOCI 271. Prerequisites: CJ 101, POLS 101, and SOCI 101 or departmental approval. One to three semester hours.
CJ 309. JUVENILE DELINQUENCY
The causes of juvenile delinquency, its extent and the variations in the laws, treatment of the delinquent and the significance of such factors as changing cultural patterns and teenage cultures. Prerequisites: CJ 101 and 3 additional hours of CJ coursework as well as SOCI 202. Three semester hours.

CJ 350. ETHICS IN CRIMINAL JUSTICE AND CRIMINOLOGY
This course addresses current and future ethical and moral issues facing criminal justice and criminology. It includes exploration of how these issues are influenced through political and social policies as well as personal values. Prerequisites: CJ 101 and 3 additional hours of CJ coursework as well as SOCI 202. Three semester hours.

CJ 371. SPECIAL TOPICS IN SOCIOLOGY OR CRIMINAL JUSTICE
This course explores topics and issues not currently included in the criminal justice or sociology curriculum. This course explores emergent areas within sociology or criminology as informed by theory. May be taken for additional credit as topic changes. Cross-listed with SOCI 371. Prerequisites: CJ 101, POLS 101, and SOCI 101 or departmental approval. One to three semester hours.

CJ 390. CURRENT POLICY ISSUES IN CRIMINOLOGY
This course examines policy issues in contemporary criminology. Instructors may focus on one or more topics such as: addictions, alcohol and drugs, cybersecurity, domestic violence, gambling, human trafficking, victims and victimization, alternatives to incarceration, policing practices and procedures, and court rulings. May be taken for additional credit as topic changes. Prerequisites: CJ 101 and 3 additional hours of CJ coursework as well as SOCI 202. Three semester hours.

CJ 391. HOMELAND SECURITY
This course is a survey of the actors, processes, and issues involved in areas of homeland security, such as anti-terrorism, emergency management, and analysis of hazards. It also examines the benefits and problems related to homeland security policy in the United States. Junior/senior status recommended. Cross-listed with POLS 391. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

CJ 403. CRIMINOLOGICAL THEORY
Criminological theories of delinquency and crime are discussed with special emphasis upon the character extent and causes of crime, criminal law, court and penal systems and programs for crime prevention. Prerequisites: CJ 309. Three semester hours.

CJ 490. CRIMINAL JUSTICE AND CRIMINOLOGY INTERNSHIP
This course is an advanced workshop for future professionals in the field of criminal justice and criminology. The main objective of this course will be the application of selected basic concepts. This course is intended as a professionalization building experience for students in the Criminology program. This course may be repeated for an additional three hours credit with approval of the department chair. Prerequisites: At least a “C” in SOCI 398. Students must also have a Lander GPA of at least 2.0 to take this course. Three to nine semester hours.

CJ 499. CAPSTONE EXPERIENCE
This course is designed to be one of the last classes a student takes and is structured to help students apply their knowledge and skills after graduation. Topics to be covered include a review of major topics, concerns, and paradigms in criminal justice, discussion of the role of criminal justice professionals in society today, and strategies for putting a criminal justice degree to work in a post-collegiate context. Prerequisite: “C” or better in CJ 309. One semester hour.

DANCE

DANC 101. INTRODUCTION TO DANCE AS AN ART FORM
This course introduces dance as a performing art, focusing on Western European dance forms such as ballet, modern, jazz, and, theatrical, and exploring their historical and cultural development. Course topics include a survey of dance forms, concepts of viewing dance, the work of the dance artist in contemporary times, dance as social and cultural reflection, political perspectives on dance, and current trends in concert dance. (General Education – Fine Arts) Three semester hours.

DANC 104. BALLET I
This course introduces basic knowledge and skills in classical ballet, including fundamental ballet movement vocabularies, body alignment principles, and ballet class etiquette. This course may be taken twice for up to four semester hours credit. Two semester hours.
DANC 106. CONTEMPORARY DANCE I
This course explores basic knowledge of modern and contemporary dance as an art form and related necessary techniques. The curriculum includes contemporary dance techniques and styles, movement alignment and coordination, and movement execution and phrasing. The course may be repeated two times for additional credit. 
Two semester hours.

DANC 108. JAZZ DANCE I
Provides fundamental knowledge and skills of jazz dance as an art form. Course content includes classical jazz techniques and jazz styles, and composed jazz studies. Two semester hours.

DANC 110. TAP DANCE I
Provides fundamental knowledge and skills of tap dance as an art form. Course content includes standard tap steps, rhythm combinations, and studies of historical developments of tap dance. Two semester hours.

DANC 111. HIP HOP DANCE AND ITS CULTURE
This course will introduce students to contemporary hip hop dance technique. Students will demonstrate hip hop dance skills through warm-ups and choreographed routines. This class will also explore the culture and music of hip hop and other related styles of dance such as locking, popping, and other club dance styles. Two semester hours.

DANC 155. LANDER DANCE COMPANY
Through time spent with a university pre-professional dance company, this course will provide practice in training, articulation and the expression of movement, with an emphasis on creative processes, dance composition, rehearsal, and performance through participation in performance and/or choreographic practices mentored by the instructor. May be repeated for additional credit. Four hours are required for a dance minor. Co-requisite: DANC 101 or DANC 106 or DANC 104 or DANC 106 or DANC 204 or DANC 206 or DANC 301 or DANC 302. Prerequisites: Lander Dancers audition and instructor’s permission. One semester hour.

DANC 201. HISTORY AND CRITICISM OF DANCE
The history of and use of dance in many cultures. Aesthetic and critical theories will be explored as they relate to various dance forms. The aesthetics of dance and informed judgment as a basis for criticism and performance will be emphasized. Prerequisite: DANC 101. Three semester hours.

DANC 204. BALLET II
Provides an analysis and practice of ballet technique with emphasis on skeletal alignment, progressive ballet vocabulary, and intermediate/advanced movement sequences. Prerequisite: DANC 101 and DANC 106 or permission of instructor. Two semester hours.

DANC 206. MODERN DANCE II
Provides progressive levels of modern dance technique that expand fundamental knowledge, emphasizing body awareness, and the expressive use of weight, space, and time. Prerequisite: DANC 101 and DANC 106 or permission of instructor. Two semester hours.

DANC 301. DANCE COMPOSITION
Introduction to the elements, materials, and structure of a dance. Prerequisite: DANC 101. Three semester hours.

DANC 302. ADVANCED CHOREOGRAPHY
Practical study in dances; form and style related to other modern arts. Three semester hours.

DANC 327. INTEGRATED ARTS INSTRUCTIONAL STRATEGIES: DANCE
Elementary education students (grades 2-6) learn to (1) develop a unit of instruction integrating instructional strategies of dance and mathematics pedagogy, (2) use dance as a primary means of communication as well as (3) use dance to make connections with other arts disciplines. Prerequisite: Restricted to Early Childhood, Elementary, and Special Education majors. Co-requisite: Taken concurrently with EDUC 327. One semester hour.

EARLY CHILDHOOD EDUCATION
See pages 157-158.
ECONOMICS

ECON 101. ECONOMICS IN SOCIETY
Provides students with both microeconomic and macroeconomic analytical perspective to think critically about the market system and social objectives it may serve. Topics include the basics of the market economy, market structure, unemployment, inflation, trade, and monetary policy. (General Education – Political Economy) Three semester hours.

ECON 201. MACRO PRINCIPLES
An introduction to the end and means of economics, the criteria of economic efficiency, national income accounting, simple income determination, the role of money within the banking system, and economic growth. (General Education – Political Economy) Three semester hours.

ECON 202. MICRO PRINCIPLES
An introduction to supply and demand, price elasticity, costs of production, profit maximization, current domestic economics problems, and international trade. Three semester hours.

ECON 301. MANAGERIAL ECONOMICS
This course provides an investigation of supply and demand, the various notions of elasticity, indifference analysis, costs of production in the short and long run, profit maximizing situations in various input and output markets, general equilibrium analysis, and welfare criteria. Prerequisite: ECON 101 or ECON 201 or ECON 202. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, and ENGL 275 with a “C” or better. Three semester hours.

ECON 311. MONEY AND BANKING
This course is a survey of the role financial markets, institutions, and central banks have in facilitating the flow of funds to investments in today’s economy. Topics include what is money, the behavior of interest rates, different types of markets and institutions, monetary policy, and derivative markets. Several major bank failures, debt crises, and global financial crises will be studied to gain insight into the importance of these entities. Prerequisite: “C” or better in ECON 101 or ECON 201 or ECON 202. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, and ENGL 275 with a “C” or better. Three semester hours.

ECON 315. ECONOMICS OF PUBLIC POLICY
This course applies economic analysis to evaluate current government policies. Primary focus on the economic impact of public policies. Current government policies related to economic development, education, labor, poverty, trade, and welfare are discussed and analyzed. Prerequisite: “C” or better in ECON 101 or ECON 201 or ECON 202, or permission of instructor. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, and ENGL 275 with a “C” or better. Three semester hours.

ECON 321. ENVIRONMENTAL ECONOMICS
An application of economic analysis to the study of environmental issues; such as pollution, the assignments of property rights, increasing population, and natural resource conservation. Analytical tools, such as benefit-cost analysis, will be explained and applied to problems with environmental dimensions. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

ECON 352. TOPICS OF ECONOMICS
This elective course allows for the study of various economics topics which are not a part of the regular course offerings. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. To repeat the course to improve a grade, the topic, the course number, and the semester hours must be the same. Prerequisite: Permission of the instructor. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. One to six semester hours.
EDUCATION

EDUC 101. CAREERS IN TEACHING
Students will be exposed to the many facets of education through class discussions, simulations of classroom situations, observation and participation in public school classrooms and interactions with successful administrators and teachers in the field of education. Students will be introduced to the concepts and skills utilized by effective classroom teachers, and they will be provided with information regarding career opportunities in education. Three semester hours.

EDUC 106. FIELD EXPERIENCE IA
The prospective teacher supports instruction in a tutoring or small group setting. Students are responsible for transportation to off-site placements. Prerequisites: 12 semester hours and concurrent enrollment in EDUC 210. One-half semester hour.

EDUC 202. EDUCATION IN AMERICA
Introduction to the historical, social, and philosophical foundations in education. Students have an opportunity to explore the demands and expectations in various teaching fields. Co-requisite: Enrollment in EDUC 203. Three semester hours.

EDUC 203. FIELD EXPERIENCE I
To acquaint the prospective teacher with school curriculum, environment, and teacher duties as well as characteristics of children. The prospective teacher experiences supporting instruction, including materials development, tutoring, and small group work. Prerequisites: 30 semester hours and concurrent enrollment in EDUC 202. One-half semester hour.

EDUC 204. INSTRUCTIONAL TECHNOLOGY FOR TEACHERS
This course is designed to enable students to use instructional technology to support teaching and learning. Technology literacy concepts are addressed and instructional uses of technology are explored. The course emphasizes instructional computing applications for classroom use. Three semester hours.

EDUC 205. TEACHER EDUCATION AND PRAXIS PREPARATION
This course provides an overview of teacher education programs, certification requirements by content areas/grade levels, and preparation for PRAXIS examinations. One credit hour.

EDUC 206. FIELD EXPERIENCE IC
The prospective teacher observes different pedagogical instructional strategies related to Science, Technology, Engineering, the Arts, and Mathematics (STEAM) and English for Speakers of Other Languages (ESOL) philosophies of education. Students are responsible for transportation to off-site placements. Prerequisites: 30 semester hours, concurrent enrollment in EDUC 223, and Provisional status. One-half semester hour.

EDUC 207. FIELD EXPERIENCE ID
The prospective teacher observes different pedagogical instructional strategies related to Montessori and exceptional learner philosophies of education. Students are responsible for transportation to off-site placements. Prerequisites: 30 semester hours, concurrent enrollment in MONT 474 or EDUC 321, and Provisional status. One-half semester hour.

EDUC 210. COMMUNICATION IN DIVERSE CLASSROOMS
This course provides opportunities for students to develop effective oral, written, and listening communication skills in preparation for working in democratic, multiculturally-rich learning environments. Content will address the principles of linguistics, dialects, and diverse communication styles, including communication with families. Prerequisite: ENGL 101. Three semester hours.

EDUC 223. GENERAL PEDAGOGY
Provides an overview of appropriate, research-based techniques and instructional methodologies that provide effective instruction in primary, elementary, middle, and secondary classrooms. Academic standards, positive learning environments, instructional planning and assessment including multi-media formats and technology that apply to a variety of classroom settings are covered. Co-requisite: Enrollment in EDUC 206 for Elementary, Early Childhood, and Special Education majors. Three semester hours.
EDUC 240.CHILD GROWTH AND THE EDUCATIONAL PROCESS
This course provides an introduction to the general principles of childhood and adolescent human growth and development and their relationship to the educational process. An emphasis will be placed on the interactions of physical, social, intellectual, and emotional development with educational variables and the learning process. **Three semester hours.**

EDUC 290.EXPERIENTIAL LEARNING IN COMMUNITY AND SCHOOL SETTINGS
This course offers students an opportunity to design a service project to assist in the development or support of children or adults in a community or school setting. This experiential learning course will require the submission of a prospectus and at least 30 hours of service at a site to be approved by instructor. Successful completion of this course or an equivalent EYE experience, and EDUC 461 will meet requirements for the Lander’s Experience Your Education (EYE) recognition upon graduation. Prerequisite: EDUC 202 and 203. Graded Pass/Fail. **One semester hour.**

Except for EDUC 309 and EDUC 371, the following 300- and 400-level professional education courses are available only to students who have been formally admitted to a Teacher Education Program. Some courses have additional prerequisites.

EDUC 307.APPLICATION OF STEAM EDUCATION
As a follow-up to EDUC 306, students will continue to explore and apply foundational pedagogical strategies for integrating science, technology, engineering, the arts, and mathematics. Prerequisites: EDUC 306 with a “B” or better, concurrent enrollment in EDUC 329 (Elementary Education majors), and formal level status. **Two semester hours.**

EDUC 300.CONTENT AREA READING AND WRITING
This course will address instructional approaches to create a literate environment that fosters reading and writing by integrating foundational knowledge, instructional practices, approaches and methods, curriculum materials, and the appropriate use of assessments for native English speakers and dual language learners. This course meets the SC Read to Succeed requirements. **Three semester hours.**

EDUC 302.EDUCATIONAL ASSESSMENT
An exploration of educational assessment procedures from initial screening by the classroom teacher to the interpretation of professional evaluations and prescriptive teaching/learning strategies. Prerequisite: Formal Admission to Teacher Education Program or permission of instructor. **Three semester hours.**

EDUC 304.INSTRUCTIONAL TECHNOLOGY FOR TEACHERS
This course is designed to enable students to use instructional technology to support teaching and learning. Technology literacy concepts are addressed and instructional uses of technology are explored. This course emphasizes instructional computing applications for classroom use. Prerequisite: Formal admission to Teacher Education Program or permission of instructor. **Three semester hours.**

EDUC 306.INTRODUCTION TO STEAM EDUCATION
This course provides an introduction to the foundations of the STEAM (Science, Technology, Engineering, the Arts, and Mathematics) disciplines and the strategies used to deliver STEAM (Science, Technology, Engineering, Arts, Mathematics) pedagogy in the PreK-6 classroom setting. It is designed to prepare students to integrate the visual arts, music, dance, and drama across all content areas. Theory and practice of teaching the STEM (Science, Technology, Engineering, Mathematics) disciplines and of the arts will be examined. **Three semester hours.**

EDUC 309.GLOBAL ISSUES IN EDUCATION
This course is designed to provide students with opportunities to study issues affecting educational efforts around the world. Additionally, this course will address educational responses to the identified issues. Focus will include populations from South America, Africa, and Asia, and will provide for both comparing and contrasting educational issues and efforts. Admission to School of Education not required. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) **Three semester hours.**

EDUC 320.READING AND WRITING IN THE CONTENT AREA
This course is a study of methods, materials and competencies useful for integrating reading and writing instruction into subject matter instruction to meet the unique needs of middle/high school level learners across content areas. The course includes current research conducted in middle and high schools. This course meets the SC Read to Succeed requirements. **Three semester hours.**
EDUC 321. FOUNDATIONS OF READING
This course focuses on the development of basic reading and writing processes. Content includes phonological awareness, phonics, fluency, vocabulary, comprehension, and oral language. Emphasis is placed on the methods and techniques of teaching reading and writing to individuals and groups in classroom settings. This course meets the SC Read to Succeed requirements. **Three semester hours.**

EDUC 322. TEACHING SCIENCE IN THE ELEMENTARY GRADES
This course will provide students with theory, research, and methodology related to appropriate and effective science instruction. Emphasis will be on modeling and practicing strategies to support meaningful integration of science, technology, engineering, and mathematics (STEM) in the context of real world problem solving. Prerequisites: Two science courses and formal level of admittance to Teacher Education Program. **Three semester hours.**

EDUC 327. MATHEMATICS PEDAGOGY
An exploration of problem based teaching methods associated with the elementary curriculum strands for mathematics (number and operations, algebra, geometry, measurement, and data analysis and probability). Special emphasis is placed on instructional implementation of the NCTM Process Standards (problem solving, reasoning and proof, communication, connections, and representations). Prerequisite: Formal admission to Teacher Education Program. Note: Elementary and special education majors must concurrently enroll in the associated integrated arts course and field experience. **Three semester hours.**

EDUC 329. FIELD EXPERIENCE II
This field-based experience is designed to immerse teacher candidates into the classroom environment. Teacher candidates will design and implement lessons which include strategies for meeting the needs of all learners and employ instructional technology. Teacher candidates will make formal observations of the learning community and environment, visit community agencies and participate in seminars. Prerequisites: Formal level status and successful completion of EDUC 206 and EDUC 207 with grades of “B” or higher (Elementary Education Majors). Concurrent enrollment in EDUC 300. (Elementary Education Majors). Students are responsible for transportation to off-site placements. **One-half to two semester hours.**

EDUC 345. INSTRUCTIONAL PRACTICES FOR TEACHING READING
This course focuses on the study of instructional approaches, structures, and materials needed to create a comprehensive, integrated, and balanced curriculum using assessments to support all students’ learning in reading and writing. This course meets the SC Read to Succeed requirements. **Three semester hours.**

EDUC 351. GENERAL PEDAGOGY FOR MIDDLE AND HIGH SCHOOL
An in-depth analysis of appropriate, research-based techniques and methodologies that provide effective classroom instruction in middle and secondary school. Standards, models of instructional planning, lesson implementation, ADEPT, and assessment, including multi-media formats and technology that apply to classroom setting, are covered. Prerequisite: Formal admission to Teacher Education Program. Co-requisite: EDUC 329. **Three semester hours.**

EDUC 371. SPECIAL TOPICS IN TEACHER EDUCATION
Special course designed to meet the individual student’s needs or to provide in-depth study on a particular topic related to educational research or practices. Formal admission to Teacher Education NOT required. **One to three semester hours.**

EDUC 421. ASSESSMENT OF READING
This course will equip students with a variety of tools for planning and evaluating reading practices for effectiveness. Candidates will be able to articulate the various assessments, their uses and their limitations. In addition, candidates will learn to articulate assessment information to a variety of stakeholders. This course meets the SC Read to Succeed requirements. **Three semester hours.**

EDUC 424. SOCIAL STUDIES PEDAGOGY
This class prepares candidates to use knowledge, skills, and dispositions from Social Studies to organize and provide integrated instruction for the study of major themes, concepts, and modes of inquiry reflected in the NCSS Thematic Strands. An emphasis is also placed on how to prepare elementary students to become productive citizens in a multicultural, democratic society. Candidates are required to develop an integrated social studies unit based upon South Carolina’s Elementary Social Studies Curriculum Standards and South Carolina Visual Arts Standards.
Standards. Prerequisite: Formal admission to Teacher Education Program. Elementary and special education majors must concurrently enroll in the associated integrated arts course. Three semester hours.

EDUC 429. CLINICAL PRACTICE A
This clinical is designed to immerse teacher candidates in preparing the classroom environment for the first day of school and implementing purposeful instruction for the first half of the school year. Candidates will design and implement content-based lessons and analyze topics and matters of concern within the profession of teaching. Students are responsible for transportation to off-site placements. NOTE: This course begins when public school teachers report for the academic year. Prerequisite: Candidate level status and successful completion of EDUC 329 with a grade of “B” or better. One to eleven semester hours.

EDUC 430. THE LEARNING ENVIRONMENT
This course will consider the classroom environment in terms of teacher management of time, participants, and resources to include media and technology. Research based information on classroom organization and student motivation applied to the development of the concept of the integrated nature of classroom learning. Prerequisites: Concurrent enrollment in EDUC 429, Formal admission to Teacher Education Program. Three semester hours.

EDUC 461. CLINICAL PRACTICE B
This clinical is designed to immerse teacher candidates into the classroom environment. Candidates will design and implement lessons across all disciplines. Students are responsible for transportation to off-site placements. Prerequisite: Candidate level status and successful completion of EDUC 329 with a grade of “B” or better. One to eleven semester hours.

EDUC 462. ENHANCED CLINICAL PRACTICE
This course provides opportunities for candidates to enhance their professional practices with a more diverse audience. Candidates extend the clinical practice experience through a continuation of their student teaching experience in a school abroad or in another area of the country that serves diverse student populations. The experience will extend beyond state required minimum number of days to allow for at least 6 weeks in a diverse setting. Additional fees may be associated with this experience. Approval of Dean of the College of Education at least one semester prior to clinical practice and admission to teacher education required. One to six semester hours.

EDUC 490. INTERNSHIP
This course is designed to give students practical work experience in a field related to their major. A student will work through an approved agency or business under the supervision of one of its professional employees and a faculty member in the major department. Completion of this course does not qualify students for teacher certification recommendation. Prerequisite: 45 semester hours in the major area and/or permission of the department chair. Dependent upon availability of suitable positions. One-half to twelve semester hours.

EDUC 499. TEACHER EDUCATION SEMINAR
The purpose of this course is to conduct seminars reviewing and reinforcing specific aspects of the teaching/learning process with student teachers. This course will follow a true seminar format. Many topics and matters of concern within the profession of teaching will be studied, analyzed and debated. Prerequisite: Students enrolled in EDUC 461 (Student Teachers only). Formal admission to Teacher Education Program. One semester hour.

EARLY CHILDHOOD EDUCATION

ECED 222. THE YOUNG CHILD GROWTH AND DEVELOPMENT
Physical, psychosocial, moral, cognitive development, prenatal through age 8 within the context of the whole child. Research, diagnosis/assessment, child observations, case studies, play emphasized. Three semester hours.

ECED 227. INTRODUCTION TO EARLY CHILDHOOD EDUCATION
A study of the philosophical, psychological, and historical foundations of early childhood education with emphasis on the fundamentals and implications for curriculum construction. Cultural diversity, child poverty, child care, child advocacy, public policy, legislation and professionalism are also addressed. Prerequisites: ECED 222 or permission of instructor. Three semester hours.

The following 300- and 400-level professional education courses are available only to students who have been formally admitted to a Teacher Education Program. Some courses have additional prerequisites.
ECED 307. HEALTH AND MOVEMENT IN EARLY CHILDHOOD
Basic principles and teaching standards for infant and childhood health, nutrition, and movement are explored as well as childhood diseases and appropriate safety practices in settings for young children. A field-based experience is required. Prerequisite: Formal admission to the Teacher Education Program. Three semester hours.

ECED 320. EARLY CHILDHOOD LITERATURE
A study of literature appropriate for young children (birth through 8 years) will be the base for selecting, evaluating, and using books in home and school settings with an emphasis on literacy development and reading instruction. Prerequisite: Formal admission to the Teacher Education Program. Three semester hours.

ECED 322. TEACHING SCIENCE IN THE EARLY CHILDHOOD GRADES
This course will provide students with theory, research and methodology related to appropriate and effective science instruction. Emphasis will be on the development of science knowledge in primary-age children and the application of methods for teaching science that support the meaningful integration of science, technology, engineering, and mathematics (STEM) in the context of real world problem solving. Prerequisites: Two science courses and formal level of admittance to Teacher Education Program. Three semester hours.

ECED 323. MATH PEDAGOGY FOR THE EARLY CHILDHOOD CLASSROOM
Emphasis is on constructivism as the approach to teaching children mathematical concepts. Research based teaching strategies and appropriate use of concrete materials for the young child and the NCTM standards are addressed. Prerequisites: MATH 203 and admission to Teacher Education Program. Co-requisite: ECED 329. Three semester hours.

ECED 329. FIELD EXPERIENCE
Classroom instructional experiences with young children in pre-primary or primary settings utilizing research based learning experiences. Students prepare, teach and assess individual lessons. Students work with children in various groupings applying developmentally appropriate practices including media and technology. Prerequisites: Formal level status and successful completion of EDUC 206 and EDUC 207 with grades of “B” or better. Students are responsible for transportation to off-site placements. Two semester hours.

ECED 405. CHILDREN AND FAMILIES
Students examine family and community life historically and cross-culturally and its influence on the development of young children. Particular emphasis is placed on the changing American family and the effects on schools. Strategies for effective parenting and educational interventions for working with young children and families from a variety of cultural settings are included. A field-based experience is required. Prerequisite: Formal admission to the Teacher Education Program. Three semester hours.

ECED 415. INTEGRATIVE CREATIVE ARTS FOR EARLY CHILDHOOD
A study of the creative arts (art, music, drama, and movement) for integration into the activities and curriculum for young children (birth through elementary school), this course will help pre-service and practicing teachers integrate standards, develop appropriate approaches to using the arts with young children, and foster appreciation for the role of the arts in settings for young children. A field-based experience is required. Prerequisite: Formal admission to the Teacher Education Program. Three semester hours.

ECED 421. READING AND LANGUAGE ARTS FOR EARLY CHILDHOOD
A study of the teaching of reading and other language arts with an emphasis on language arts curriculum development, instruction, and assessment. This course will provide preservice and practicing teachers with current research and trends in the field of reading and the literacy instruction. Prerequisites: A field-based experience is required and formal level of admittance to Teacher Education Program. Three semester hours.

ECED 427. SOCIAL STUDIES FOR EARLY CHILDHOOD
A study of the various social sciences used with young children, this course emphasizes integrated standards from all disciplines, curriculum development, and developmentally appropriate methods and techniques for teaching children (birth through elementary school). Prerequisite: Formal admission to the Teacher Education Program. Co-requisite: ECED 429. Three semester hours.

ECED 429. CLINICAL PRACTICE A
Classroom instructional experiences with young children in pre-primary or primary settings utilizing research based learning experiences. Students prepare and teach lessons through the integration of curriculum while spending whole days in the classroom. Students work with diverse groups of children applying developmentally
appropriate practices including media and technology. NOTE: This course begins when public school teachers report for the academic year. Prerequisite: Candidate level status and successful completion of ECED 329 with a grade of “B” or higher. **One to eleven semester hours.**

### MONTESSORI

#### MONT 371. SPECIAL TOPICS IN MONTESSORI
Special course designed to meet individual student’s needs or to provide in-depth study on a particular topic related to Montessori. The role of research in education and applications of technology emphasized. Prerequisites: Permission of the instructor, formal admission to Teacher Education Program. **One to three semester hours.**

#### MONT 429. PRACTICUM I
This class, which meets for two weekend seminars each semester during the practicum phase, assists the novice teacher in the design of the classroom environment, establishing ground rules and effective classroom routines, developing parent communication strategies, instructional planning, observation techniques, assessment and record keeping. The student will receive guidance in creating and implementing an action research project. **Three semester hours.**

#### MONT 461. PRACTICUM II
This class is a continuation of Practicum I. It meets for two weekend seminars during the spring semester of the practicum phase. Prerequisite: “B” or better in MONT 429. **Three semester hours.**

#### MONT 470. MONTESSORI METHODS: PRACTICAL LIFE
The exercises of Practical Life form the child’s foundation. Topics include how to prepare the exercises of Practical Life, grace and courtesy, control of the person, care of the environment, and food and nutrition. Teachers will also learn how to analyze each child’s development of independence that occurs from using the exercises. Prerequisite: Permission of instructor. **Three semester hours.**

#### MONT 471. MONTESSORI METHODS: SENSORIAL
Teachers will learn to use the materials that aid children with the development and refinement of their senses in seven areas: size, color, form, touch, sound, smell and taste. Teachers will also learn to observe each child’s development of classification and seriation, and to use the instructional strategy of the 3 Period Lesson. Prerequisite: Permission of instructor. **Three semester hours.**

#### MONT 472. MONTESSORI PHILOSOPHY, EDUCATIONAL THEORY & ADMINISTRATION/PARENT EDUCATION
Topics include an historical overview of Montessori and the Montessori movement and the philosophy of the absorbent mind, sensitive periods, logical mathematical mind, spiritual and moral development of the child. The course also explores how these topics relate to children, classroom materials, peace education, the role of the teacher, and the prepared environment. Prerequisite: Permission of instructor. **Three semester hours.**

#### MONT 473. METHODS OF OBSERVATION & CLASSROOM LEADERSHIP
This course introduces teachers to reflective practices of observation and record keeping. Being open to and being willing to be informed by observation are two important aspects of the Montessori method. Teachers will also observe other Montessori classrooms during their practicum. The classroom leadership component of this course involves student teachers with designing the prepared environment, establishing daily routines, starting a new class, lesson strategies, evaluation, positive discipline, effective communication and problem solving. Prerequisite: Permission of instructor. **Three semester hours.**

#### MONT 474. FOUNDATIONS OF READING IN THE MONTESSORI CLASSROOM
Teachers will learn how to present the Montessori language exercises to foster children’s early literacy development. Topics of this course include early oral language acquisition, age-appropriate visual and auditory perceptual experiences that lead to phonemic awareness and letter-sound recognition, vocabulary development and enrichment, phonics, word study, beginning handwriting, expressive writing, and the first part of the functions of words. This course meets the SC Read to Succeed requirements. **Three semester hours.**

#### MONT 475. MONTESSORI METHODS: MATHEMATICS
This course begins with the philosophy of the “mathematical mind”. Additional topics include numeration to 9,999 place value, linear counting, the four operations, memorization of math facts, and an introduction to fractions. Teachers will learn how to present the Mathematics materials and to observe each child’s progress toward abstracting mathematical concepts. Prerequisite: Permission of instructor. **Three semester hours.**
MONT 493. MONTESSORI METHODS: INTEGRATED CURRICULUM
The objectives of this course are to acquaint the Montessori teacher candidate with the sequence and materials for teaching social studies, science, and creative arts in the context of Montessori’s “Cosmic Curriculum”, a holistic approach to natural science, multicultural studies and artistic expression. Topics include the materials for geography and history, international festivals and celebrations, designing and preparing activities to acquaint children with the natural world and integration of the creative arts to enhance the classroom curriculum. Prerequisite: MONT 472 and permission of the instructor. Three semester hours.

SPECIAL EDUCATION

SPED 150. BASICS OF THERAPEUTIC HORSEMANSHIP
Students will be introduced to the challenges, routines, skills, and dispositions associated with therapeutic equine care and management. Students will learn riding basics and basic aids in communicating with a mounted, therapeutic horse. Three semester hours.

SPED 223. PREK-12 STUDENTS WITH DIVERSE LEARNING NEEDS
An introduction to the unique characteristics of students with diverse learning needs including those with high incidence exceptionalities from early childhood through adolescence. Issues associated with those from culturally and linguistically diverse backgrounds are explored. Special emphasis is placed on identification, interventions, and teaching strategies for PreK-12 classrooms. Three semester hours.

SPED 240. CHARACTERISTICS OF DIVERSE LEARNERS, K-12
Characteristics, nature and needs that distinguish individuals with mild to moderate disabilities from the general population are addressed. Focus is on definitions, associated learner characteristics, Individualized Education Plans (I.E.P.) and instructional provisions for individuals with mental, learning and emotional disabilities as well as autism and traumatic brain injury. Three semester hours.

SPED 250. PRINCIPLES OF THERAPEUTIC HORSEMANSHIP
Students will be introduced to the history of therapeutic horsemanship, the organization, and administration of programs, choosing a rider population, special health issues, and learning special mounting procedures. Students will learn to conduct basic facility and equipment assessments and horse evaluations. Three semester hours.

SPED 260. THERAPEUTIC HORSE MOVEMENT
Students will acquire a working knowledge of therapeutic horse functional anatomy and physiology. The student will be able to relate equine anatomy and physiology to therapeutic horse husbandry theories and practice. In addition, the student will develop problem-solving skills in regard to presentation of common equine diseases and the therapeutic options available for treatment. Three semester hours.

SPED 270. THERAPEUTIC HORSEMANSHIP PROGRAM
This course will focus on the administration of the Therapeutic Horsemanship Program through hands on participation in a program. Students will have the opportunity to plan, teach, and evaluate in a therapeutic horsemanship program. Other topics will include: working with volunteers and parents, public relations and marketing activities, organization of fund-raising events, and other administrative responsibilities. Prerequisite: SPED 250. Three semester hours.

The following 300- and 400-level professional education courses are available only to students who have been formally admitted to a Teacher Education Program. Some courses have additional prerequisites.

SPED 321. ASSESSING AND TEACHING READING TO NEEDS
This course will provide students with an overview of research based methods for assessing and teaching reading to students with and without exceptional learning needs from a variety of theoretical perspectives. Emphasis will be placed on the methods and techniques for teaching reading to individuals and groups with mild to moderate disabilities and speakers of a second language. This course meets the SC Read to Succeed requirements. Three semester hours.

SPED 329. SPECIAL EDUCATION CLINICAL EXPERIENCE
This clinical provides classroom instructional experiences with students with mild to moderate disabilities in early childhood or elementary special education settings utilizing research-based instructional practices. Teacher candidates prepare, teach and assess individual lessons in special education and/or inclusive classrooms.
Prerequisite: Formal admission to Teacher Education Program required. Co-requisite: SPED 341. Two semester hours.

SPED 341. INTEGRATED EARLY CHILDHOOD AND ELEMENTARY CURRICULUM AND INSTRUCTION FOR DIVERSE LEARNERS
The study of teaching methodologies utilized in the special education resource and self-contained classroom and as support in more inclusive environments for students with mild to moderate disabilities. Major emphasis will be placed on IEP development, classroom management and integrating standards-based curriculum in early childhood and elementary classrooms. Prerequisites: SPED 223. Formal admission to Teacher Education Program required. Co-requisite: SPED 329. Three semester hours.

SPED 356. BEHAVIOR AND CLASSROOM MANAGEMENT
This course will provide students with (a) an understanding of the basic principles of behavior management for individuals and groups, and (b) the application of those principles for creating positive behavior supports and designing effective classroom management systems. It focuses on preparing reflective practitioners to apply systematic principles of behavior management in academic and social areas. The course is organized to prepare teachers who will be in general and special education settings with children of all ages. Prerequisite: SPED 223 or permission of instructor. Three semester hours.

SPED 423. ASSESSMENT OF DIVERSE LEARNERS, P-12
This course focuses on the use of formal and informal assessment of students with disabilities for eligibility determination and instructional purposes. This course examines diagnostic instruments, informal assessment measures and prescriptive approaches necessary for improving the teaching and learning of students with exceptional learning needs. Emphasis is placed on practical experiences in use and design of assessment for effective instruction and providing accommodations in P-12 classrooms. Prerequisite or co-requisite: SPED 240, Formal admission to Teacher Education Program required. Three semester hours.

SPED 429. SPECIAL EDUCATION CLINICAL EXPERIENCE
This clinical provides classroom instructional experiences with students with mild to moderate disabilities in middle or high school special education settings utilizing research-based instructional practices. Teacher candidates prepare, teach and assess individual lessons in special education and/or inclusive classrooms. Prerequisite: Candidate level status and successful completion of SPED 329 with a grade of “B” or better. Co-requisite: SPED 451. One to eleven semester hours.

SPED 434. COMMUNICATION AND COLLABORATIVE PRACTICES
This course provides a practical approach for working with teachers, families, and community resources concerned with students with mild to moderate disabilities. Included are issues related to working with individuals from diverse backgrounds and the use of augmentative/assertive technology. Major emphasis is placed on models of effective techniques for communication, co-teaching and collaboration. Prerequisite: Formal admission to Teacher Education Program. Three semester hours.

SPED 451. INTEGRATED SECONDARY CURRICULUM AND INSTRUCTION FOR DIVERSE LEARNERS
Study of teaching methodologies utilized in special education resource and self-contained classrooms and as support in more inclusive environments for students with mild to moderate disabilities. Major emphasis is placed on ITP development, classroom management and integrating standards based curriculum in secondary settings. Prerequisites: SPED 223 and SPED 240. Formal admission to Teacher Education Program required. Co-requisite: SPED 429. Three semester hours.

TEACHING FELLOWS PROGRAM

TFP 101. STUDENT DEVELOPMENT
An overview of the Teaching Fellows Program and the skills necessary for students to reach their educational objectives as students and teachers. Topics include self-awareness and assessment, decision-making, goal-setting, cultural diversity, stress management, peer relationships, communication and interpersonal skills. (This course is available only to students who have been accepted to the Teaching Fellows Program). One semester hour.

TFP 102. LEADERSHIP DEVELOPMENT
A study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to
effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). 

One semester hour.

TFP 201. TEACHING FELLOWS-SOPHOMORE SEMINAR I
A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). One semester hour.

TFP 202. TEACHING FELLOWS-SOPHOMORE SEMINAR II
A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). One semester hour.

TFP 301. TEACHING FELLOWS-JUNIOR SEMINAR I
A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). One semester hour.

TFP 302. TEACHING FELLOWS-JUNIOR SEMINAR II
A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). One semester hour.

TFP 401. TEACHING FELLOWS-SENIOR SEMINAR
A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). One semester hour.

TFP 402. TEACHING FELLOWS-SENIOR SEMINAR II
A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). One semester hour.

ENGLISH

ENGL 101. WRITING AND INQUIRY I
Students write for a variety of situations, audiences and purposes with an emphasis on the relationship between writing and thinking. (General Education – Writing) Three semester hours.

ENGL 102. WRITING AND INQUIRY II
Students write in response to diverse texts, refining their abilities to analyze, interpret, synthesize, and evaluate ideas with an emphasis on research, and MLA style documentation. Prerequisite: ENGL 101 or placement in ENGL 102. General Education – Writing) Three semester hours.

ENGLISH 102 IS A PREREQUISITE FOR ALL ENGLISH COURSES ABOVE THE 100-LEVEL.

ENGL 200. INTRODUCTION TO THE ENGLISH MAJOR
Students learn literary history, critical and rhetorical concepts, and approaches to professionalization that are foundational to the English major at Lander University. Texts will include non-Western and minority readings. Prerequisite: ENGL 102 with “C” or better; enrollment as an English major or permission of instructor. Three semester hours.

ENGL 201. SURVEY OF BRITISH LITERATURE
Students will read texts by important British writers in a variety of genres. Readings will span British history, from the Anglo Saxon period to the Renaissance to recent years. Prerequisite: ENGL 102 with “C” or better or
permission from the instructor. (General Education – Humanities or Literature or General Education – Literature)  
*Three semester hours.*

**ENGL 202. SURVEY OF AMERICAN LITERATURE**

Students will read texts by important American writers in a variety of genres. Readings will span American history from the colonial period to recent years. Prerequisite: ENGL 102 with “C” or better or permission from the instructor. (General Education – Humanities or Literature or General Education – Literature) *Three semester hours.*

**ENGL 204. SURVEY OF AFRICAN-AMERICAN LITERATURE**

Students will read texts in a variety of genres by African-American writers throughout history. Readings may include slave narratives, the works of the Harlem Renaissance, and recent texts. Prerequisite: ENGL 102 with “C” or better or permission of instructor. (General Education – Humanities or Literature or General Education – Literature) *Three semester hours.*

**ENGL 205. READINGS IN SOUTHERN LITERATURE**

Students read and respond to texts by authors of the American South or texts concerned with the American South. Prerequisite: ENGL 102 with “C” or better or permission of instructor. (General Education – Humanities or Literature or General Education – Literature) *Three semester hours.*

**ENGL 214. WORLD LITERATURE AND EXPERIENCE**

Students read and respond to texts by both Western and non-Western authors. These texts often share a common theme such as literature and madness, literature and nature, or literature and war. Themes reflect diverse topics and change each semester. This course may be repeated for additional credit as themes change. Prerequisite: ENGL 102 with “C” or better or permission from the instructor. (General Education – Humanities or Literature or General Education – Literature) *Three semester hours.*

**ENGL 221. SURVEY OF WORLD LITERATURE**

Students will read texts from around the globe, especially non-Western cultures. Readings will be drawn from a variety of genres and time periods, including ancient and recent texts. Prerequisite: ENGL 102 with “C” or better or permission from the instructor. (General Education – Humanities or Literature or General Education – Literature) *Three semester hours.*

**ENGL 241. READINGS IN DRAMA, FICTION, OR POETRY**

Students read and respond to texts primarily in one literary genre. This course may be repeated for credit as focus changes. Prerequisite: ENGL 102 with “C” or better or permission of instructor. (General Education – Humanities or Literature or General Education – Literature) *Three semester hours.*

**ENGL 251. INTRODUCTION TO CREATIVE WRITING**

This course is a hands-on introduction to creative writing. The course focus or theme may vary among the four major literary genres: poetry, fiction, drama, and literary nonfiction. The emphasis is on technique, process, and theory as well as on completing a polished piece of writing. Course includes extensive readings from diverse writers. Prerequisite: ENGL 102 with a “C” or better or permission from the instructor. This course does not satisfy general education requirements. *Three semester hours.*

**ENGL 275. BUSINESS COMMUNICATIONS**

Students write and produce documents for a variety of business situations, emphasizing the styles and mechanics of written and oral communications. This course does not satisfy general education requirements. Prerequisite: ENGL 102 with “C” or better or permission from the instructor. *Three semester hours.*

**ENGL 276. ADVANCED COMPOSITION**

This course focuses on professional-level writing skills and will also focus on argumentation and advanced research skills. Students should expect to engage in primary and secondary research, culminating in a formal research essay or project. Prerequisite: ENGL 102 with a “C” or better or permission from the instructor. *Three semester hours.*

**ENGL 290. ENGLISH PRACTICUM**

Students learn techniques of tutoring writing. This is a required course for writing center tutors; however, taking the course does not guarantee or require employment in the Writing Center. English majors may take this course for elective credit only. This course may be repeated for credit up to three times with instructor’s permission. Prerequisite: ENGL 102 with a “C” or better or permission from the instructor. *One semester hour.*
ENGLISH MAJORS SHOULD COMPLETE REQUIRED GENERAL EDUCATION ENGLISH COURSES BEFORE ENROLLING IN AN UPPER-LEVEL COURSES.

ENGL 303. RENAISSANCE
This course examines the rise of humanism and the revival of interest in the arts and letters of ancient Greece and Rome. This course may include literary works produced during other periods of artistic reawakening. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 304. CLASSICISM
This course examines the literature and thinking associated with British, American, and continental writers of the 17th and 18th centuries. Attention may also be given to examples of classicism from other literary periods. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 305. ROMANTICISM
This course examines literary works in which romanticism is an important element, especially works from the early 19th century. The course may include examples of romanticism from other literary periods. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 312. VICTORIANISM
This course examines literary works that respond to some of the many questions raised by the social, economic, political, and intellectual transitions during the 19th century. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 326. CULTURAL STUDIES IN AMERICAN CINEMA
This course examines the representations of various cultures and groups in American film. Students will view and analyze films chosen for their issues of race, religion, ethnicity, class, gender, sexuality, and/or ability. Prerequisite: ENGL 102 with a “C” or better or permission of the instructor. Three semester hours.

ENGL 338. MODERNISM
This course examines literary works that consider the boundaries of the modern, the avant-garde, and modernist perceptions of reality. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 339. POSTMODERNISM
This course examines the theoretical concept of postmodernism in its varied forms. This examination will include discussion of postmodernism’s relationship to modernism, the history of the time period, the rise of literary and cultural theory, and the role of media in postmodern constructions of self/identity. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 344. TEACHING AND APPLYING ENGLISH GRAMMAR
This course examines different ways of understanding and teaching English syntax. Students explore various applications for grammatical knowledge and study the rhetorical nature of grammatical choices. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 345. INTRODUCTION TO LANGUAGE AND LINGUISTICS
This course surveys ways in which language has been studied, the tools used by linguists, how speakers learn first and subsequent languages, and how language reflects social issues such as gender, power, and ethnicity. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.
ENGL 350. PROFESSIONAL REVISIONING AND EDITING
This course examines the role of revising and editing in the writing process and provides students with intensive practice revising and editing for diverse audiences, with attention to mechanics, style, sentence structure, and usage. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 353. WRITING POETRY
This course studies the techniques, processes, and theories of writing poetry. The course includes readings from representative authors and requires extensive writing in the genre. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 354. WRITING FICTION
This course studies the techniques, processes, and theories of writing fiction. The course includes readings from representative authors and requires extensive writing in the genre. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 364. WRITING NONFICTION
This course studies the techniques, processes, and theories of writing nonfiction. The course includes readings from representative authors and requires extensive writing in the genre. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 373. WRITING AND RESEARCH METHODS
This course studies the connection between writing, research, and knowledge-making in several disciplines, with emphasis on the humanities and social sciences. Students practice a variety of primary and secondary research methods and write about their research for audiences outside of literary studies. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 401. SPECIAL TOPICS IN LITERATURE
This course focuses on selected topics in literature. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 402. YOUNG ADULT LITERATURE
This course is designed to present a broad selection of literature which is appropriate (and often designed) for the secondary-school grade levels. The scope of works chosen, the themes in these works, and the strategies employed by writers will vary, but the course will concentrate on critical readings of young adult novels from diverse cultural perspectives and the teaching of young adult literature. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 403. SPECIAL TOPICS IN FILM STUDIES
This course focuses on selected topics in film. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. Prerequisite: ENGL 102 with a “C” or better or permission of the instructor. Three semester hours.

ENGL 406. STUDIES IN MAJOR AUTHORS
This course focuses on detailed study of the literary works of one major figure, with attention to biography and criticism. A course in Shakespeare will be offered under this number every other year. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 413. SPECIAL TOPICS IN RHETORIC
This course focuses on selected rhetorical texts from the classical period to modern theories. Readings include various genres that reflect principles of rhetorical theories. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 414. STUDIES IN GENRE
This course focuses on literature from a single genre and may compare works in several genres. This course may be repeated for credit as the topic changes. Prerequisite: English 102 with “C” or better or permission of instructor. Three semester hours.
ENGL 417. READING/Writing Seminar
This course focuses on a specific type of writing, such as autobiography, short story, poetry, criticism, or nonfiction. Students study representative texts and write and analyze their own writing with an emphasis on the relationship between analytical and creative approaches. This course may be repeated for credit as topic changes. Prerequisite: ENGL 102 with “C” or better or permission of Instructor. Three semester hours.

ENGL 445. Topics in Language and Linguistics
This course focuses on advanced topics related to language and linguistics. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 345 with “C” or better or permission of instructor. Three semester hours.

ENGL 450. Technical Writing
This course focuses on skills necessary to professional technical writing, including but not limited to audience and rhetorical analysis, collaboration, and the production of technical documents from prewriting to final draft. Prerequisite: ENGL 102 with “C” or better or permission of instructor. Three semester hours.

ENGL 451. Methods of Teaching Secondary English
This course emphasizes planning, implementing, and evaluating instruction in secondary English education, with attention to the integration of reading, writing, listening, speaking, and viewing. Prerequisite: ENGL 102 with “C” or better, EDUC 329, or permission of instructor. Co-requisite: EDUC 429. Three semester hours.

ENGL 490. Internship
This course gives students practical on-the-job learning experiences in language-oriented fields. Students work several hours a week at a business or agency under the supervision of agency personnel and a faculty supervisor. Prerequisite: 12 semester hours in the major area and/or permission of the department chair. Open only to juniors and seniors, the course is offered when suitable positions are available. One to nine semester hours.

ENGL 499. Senior Seminar
This course is required of all senior English majors. Students consolidate the skills and knowledge learned in the major, reflect critically on the discipline of English, and explore historical, critical, and rhetorical issues of concern to English majors. Students assemble a professional portfolio as they prepare for graduate school or careers. Prerequisite: ENGL 102 with “C” or better, ENGL 200 with “C” or better, senior status as an English major, and 12 hours of 300-400 level English courses, or permission of instructor. Three semester hours.

ENGLISH AS A SECOND LANGUAGE

ESL 101. Beginning Grammar and Writing
Emphasis is on basic vocabulary development and writing skills, including spelling and sentence construction. Students are introduced to basic English grammar, including parts of speech, verb forms, questions and negative statements. Graded pass/fail. May not be used for any degree credit. Three semester hours.

ESL 102. Beginning Speaking and Listening
Emphasis is on conversational skills and basic pronunciation, including English stress patterns. Students encounter English through a variety of media, including games, audio-visual media, and face-to-face conversations. Graded pass/fail. May not be used for any degree credit. Three semester hours.

ESL 121. Intermediate Grammar and Writing
Emphasis is on continued vocabulary development, basic reading activities, and sentence combination. Students are introduced to short essay writing, intermediate level grammar, including subordination, perfect tenses, and other constructions. Graded pass/fail. Prerequisite: ESL 101, placement, or approval of the ESL instructor. May not be used for any degree credit. Three semester hours.

ESL 122. Intermediate Speaking and Listening
Emphasis is on continued development of conversational skills and basic pronunciation. Students encounter English at the intermediate level through a variety of media, including audio-visual media, formal speeches and face-to-face conversations. Graded pass/fail. Prerequisite: ESL 102, placement, or approval of the ESL instructor. May not be used for any degree credit. Three semester hours.
ESL 131. ADVANCED GRAMMAR AND WRITING
Emphasis is on vocabulary development, reading comprehension, and composition in a variety of genres, including multi-page essays that incorporate research. Graded pass/fail. Prerequisite: ESL 121, placement, or approval of the ESL instructor. May not be used for any degree credit. **Three semester hours.**

ESL 132. ADVANCED SPEAKING AND LISTENING
Emphasis is on pronunciation, listening comprehension, and conversational skills. Students practice using English in face-to-face conversations in formal presentations and speeches. Graded pass/fail. Prerequisite: ESL 122, placement, or approval of the ESL instructor. May not be used for any degree credit. **Three semester hours.**

ESL 140. UNITED STATES ACADEMIC LANGUAGE AND CULTURE FOR NON-NATIVE SPEAKERS
Examination of the language customs and practices typical of university classrooms in the United States, including taking notes, asking questions, working in groups, speaking with professors, and avoiding plagiarism. Students read and write academic texts in a variety of genres and practice strategies for speaking effectively in academic situations. Degree-seeking students should take ESL 140 concurrently with ENGL 101. Prerequisite: ESL 131 and ESL 132, placement, or approval of the ESL instructor. May not be used for any degree credit. **Three semester hours.**

ENVIRONMENTAL SCIENCE

ES 301. INTRODUCTION TO ENVIRONMENTAL SCIENCE 1
First semester study of the environment emphasizing the physical, chemical and biological foundations of human society and the interactions between people and their environment. Topics include the Earth and its hydrological and biogeochemical cycles, population dynamics, environmental ethics, politics, economics and law, environmental sustainability, renewable and nonrenewable resources and their use, and climate change. Three hours lecture, one hour seminar per week. **Four semester hours.**

ES 302. INTRODUCTION TO ENVIRONMENTAL SCIENCE 2
Second semester of study of the environment emphasizing the chemical, geological, biological, and physical effects of human society on the biosphere and our responses to them. Topics include the environmental issues such as water pollution, solid waste disposal, risk assessment, species extinction and conservation, land use and urban development. Three hours lecture, one hour seminar per week. **Four semester hours.**

ES 310. ENVIRONMENTAL GEOLOGY
Human interactions with geological processes, including topics such as soil and rock properties, slope stability, fluvial geomorphology, river flooding, soil conservation, coastal hazards, water resources and supply, land subsidence, natural resource extraction, acid drainage, waste disposal, soil contamination, geologic catastrophes, land use planning. Prerequisite: GEOL 111. **Three semester hours.**

ES 390. GLOBAL TOPICS IN ENVIRONMENTAL SCIENCE
This course is designed to provide in-depth study of different topics in Environmental Science. Topics are of global importance and will be covered from multiple perspectives (e.g., global climate change, energy use, population, etc.). Specific topics will be announced in advance. Prerequisite: Completion of one or more laboratory science courses with “C” or better. (General Education - Global Issues/Nonwestern Studies) **Three semester hours.**

ES 407. RESEARCH IN ENVIRONMENTAL SCIENCE
Special topics research problems for juniors or seniors in Environmental Science. May be taken for additional credit but is limited to a maximum of four semester hours toward degree requirements. Offered on demand to qualified students and with the approval of the instructor. **One to four semester hours.**

ES 490. INTERNSHIP IN ENVIRONMENTAL SCIENCE
Practical experience with an approved governmental or private organization involved in environmental regulation, monitoring, assessment, or compliance. A minimum of 6 hours/week of on the job experience for at least 13 weeks is required for each hour of credit. The experience will be supervised by the instructor, who will schedule conferences with the student. The student will maintain a folio of experiences and will submit a final paper and/or presentation describing the experience and the knowledge gained from it. The student is responsible for meeting all living and travel expenses. Prerequisites: BIOL 111, CHEM 111 and permission of the instructor. Graded Pass/Fail. **Variable credit with a maximum of four semester hours.**
FINANCE

FINA 151. FINANCIAL WELLNESS
To inform students how individual choices influence future earnings potential and wealth building goals. Students will learn how they can meet their long-term life goals through personal and financial management. Topics include money management, spending and credit, savings strategies and investing. (General Education – Political Economy) Three semester hours.

FINA 301. BUSINESS FINANCE
This course provides an introduction to financial management. Topics include the role of ethics in financial markets, financial analysis, agency conflict, cost and sources of capital, project selection. In addition, stocks, bonds, mergers, and international financial management are surveyed. Prerequisites: BA 101 and ACCT 201. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

FINA 309. MARKETS, INSTITUTIONS AND BANKING
This course provides an understanding of the structure and operation of financial institutions and the markets in which they operate. Students learn about depository and non-depository financial institutions such as life insurance companies, pension funds, and mutual funds. It introduces students to financial instruments such as stocks, bonds, futures and options and the markets in which these instruments are traded. Prerequisite: Junior/Senior standing or permission of instructor. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202 and ENGL 275 with a “C” or better. Three semester hours.

FINA 310. INVESTMENTS
This course provides an introduction to financial securities and contracts traded in modern financial markets. Stocks, bonds, and derivatives will be discussed. Topics include portfolio evaluation and the market microstructure that facilitates trading and risk management. Prerequisite: “C” or better in FINA 301 and an institutional GPA of 2.5 or better. Three semester hours.

FINA 352. SPECIAL TOPICS IN FINANCE
This elective course allows for the study of various finance topics which are not a part of the regular course offerings. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. To repeat the course to improve a grade, the topic, the course number, and the semester hours must be the same. Prerequisite: Permission of the instructor. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. One to six semester hours.

FINA 490. FINANCE INTERNSHIP
This course is designed to give students a practical work experience in their emphasis field. The student works through an approved agency or business under the supervision of professional employees and a faculty member from the School of Management. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. Dependent upon availability of positions. Prerequisites: Senior status in major, minimum of 2.5 institutional GPA, and permission of instructor. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. One to six semester hours.

FALS

FALS 101. FINE ARTS AND LECTURSHIP SERIES
By graduation, all undergraduate, degree-seeking students who enrolled at Lander for the first time in fall 2015 and after are required to attend fifteen (15) FALS-approved events for which they receive a total of one semester hour of credit toward graduation. Students enrolled in an on-line degree program and second undergraduate
degree candidates are not required to satisfy the FALS requirement. Students will not register for the class. One semester hour.

FINE ARTS

FA 103.FINE ARTS STUDY TOUR
An intensive, directed cultural tour of a major national or international location. Preparation sessions will be given in advance of the trip. A culminating project will be required after the conclusion of the tour. Higher credit hours will require more student assignments and/or additional research depending on the tour subject. The focus will be on experiences in music, art, architecture, theatre, and/or dance. Tours are usually scheduled during Spring Break, May, or over the Christmas holiday. This course may be repeated for additional credit only if tour sites are different. Tours are led by Fine Arts faculty members (art, dance, or music.) Additional fees are charged for costs beyond tuition. (General Education – Fine Arts) One to three semester hours.

FRENCH

FR 101.ELEMENTARY FRENCH
Fundamentals of pronunciation, vocabulary building, principles of grammar and reading, and introduction to francophone cultures. Emphasis on idiomatic usage of the spoken language. Prerequisite: Prior to registration, the foreign language placement test must be taken by all students new to Lander as of fall 2007. For more information see Foreign Language Placement Test in the course catalog. Three semester hours.

FR 102.ELEMENTARY FRENCH II
Fundamentals of pronunciation, vocabulary building, principles of grammar and reading, and introduction to francophone cultures. Emphasis on idiomatic usage of the spoken language. Prerequisite: French 101 or placement. Prior to registration, the foreign language placement test must be taken by all students new to Lander as of fall 2007. For more information see Foreign Language Placement Test in the course catalog. Three semester hours.

FRENCH 102 OR EQUIVALENT IS A PREREQUISITE FOR ALL 200-LEVEL COURSES.

FR 203.INTERMEDIATE FRENCH
French reading and writing skills, study of francophone cultures, composition, and oral practice. Emphasis on idiomatic usage of the spoken language. Prerequisite: FR 102 or placement. Three semester hours.

FR 280.SPECIAL TOPICS
The study of a particular issue, theme, or topic in French or Francophone language, civilization, or literature. May be given in French or English. This course may be repeated for additional credit as topics change. Prerequisite: Permission of instructor. One to three semester hours.

FR 301.FRENCH CONVERSATION AND COMPOSITION
Development of proficiency in oral and written communication in French, focusing on vocabulary and structures. Discussions, oral presentations, and essays on material from French and Francophone texts and film. Conducted in French. Prerequisite: FR 203 or placement. Three semester hours.

FR 330.OVERSEAS STUDY
Individualized project undertaken on an overseas study program approved by the University. Prerequisite: Placement. One semester hour.

FR 340.OVERSEAS STUDY: LANGUAGE
Intensive language study on an overseas study program approved by the University. Prerequisite: Placement. One to nine semester hours.

FR 355.OVERSEAS STUDY: CULTURAL STUDIES
Study in any area of French or Francophone culture and society on an overseas study program approved by the University. Prerequisite: Placement. One to nine semester hours.

FR 360.OVERSEAS STUDY: LITERATURE
Study of French or Francophone literature on an overseas study program approved by the University. Prerequisite: Placement. One to six semester hours.
FR 380. SPECIAL TOPICS
Course offered periodically for the investigation of a particular issue, theme, or topic in French or Francophone studies. Conducted in French. This course may be repeated for additional credit as topics change. Prerequisite: FR 305 or permission of instructor. One to three semester hours.

GEOGRAPHY

GEOG 101. INTRODUCTION TO GEOGRAPHY
Emphasis on the Earth’s physical features, its resources and the interdependence of mankind and environment. Three semester hours.

GEOLOGY

GEOL 111. PHYSICAL GEOLOGY
Basic concepts of geology including rocks, minerals and their formation, and the evolution of terrestrial and submarine topographic features through weathering, erosion, sedimentation, faulting, mountain building, volcanism, tectonics, and glaciation. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) Four semester hours.

GEOL 405. HYDROGEOLOGY
Interactions between water and geologic materials with an emphasis on groundwater. Water quantity and flow, including the hydrologic cycle, aquifer properties, principles of groundwater flow, water quality aspects, such as water chemistry, groundwater contamination and remediation problems, and management problems related to water quality and quantity. Prerequisites: MATH 123 or MATH 141 and “C” or better in GEOL 111. Three semester hours.

HEALTH CARE MANAGEMENT

HCMT 111. MEDICAL TERMINOLOGY
An introduction to the fundamentals of medical terminology including roots, prefixes, suffixes with an emphasis on spelling, definition, and pronunciation. One semester hour.

HCMT 201. HEALTH CARE IN AMERICA
A survey of the U.S. health care industry focusing on the systems, the economics of health care delivery, and the political forces that impact the system. Prerequisite: Sophomore standing or permission of the instructor. Three semester hours.

HCMT 280. PRINCIPLES OF HEALTH CARE MANAGEMENT
A study of management theory and its application in the U.S. health care industry with emphasis on health information systems. Prerequisite: Permission of instructor. Three semester hours.

HCMT 281. LEGAL, ETHICAL AND REGULATORY ASPECTS OF HEALTH CARE
This course will introduce legal concepts as they are related to health care management. Concepts will include: Stark Law (physician self-referral), Anti-Kickback Statute, Antitrust Law, PHI (protected health information), fraud and abuse, research and the patient, as well as current health legislation. This course will also examine ethical standards in the workplace and with the practice of medicine. Three semester hours.

HCMT 282. FINANCIAL ASPECTS OF HEALTH CARE
An overview of financial management of hospitals and health care organizations. Prerequisite: Permission of instructor. Three semester hours.

HCMT 283. SUPERVISION AND HUMAN RESOURCE MANAGEMENT
A study of methods, techniques, and skills needed to be an effective supervisor in a health care setting. Prerequisite: Permission of instructor. Three semester hours.

HCMT 290. SPECIAL TOPICS IN HEALTH CARE
Examination of current topics, issues, and trends in the health care industry. Prerequisite: Permission of instructor. One to three semester hours.

HCMT 301. FOUNDATIONS OF HEALTH CARE MANAGEMENT
This course provides an overview of the evolving standards that affect the management of health care and health-related organizations. Prerequisites: “C” or better in both HCMT 201 and ENGL 275; co-requisite: MGMT 301.
For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, and completion of ACCT 201, MATH 211 or BA 225, and ECON 101 or ECON 201 or ECON 202 with a “C” or better. Three semester hours.

HCMT 311.MANAGED CARE AND HEALTH CARE FINANCE
This course provides an overview of the foundational concepts of health care finance that affect the management of health care and health related organizations. Prerequisites: “C” or better in both HCMT 201 and ENGL 275; co-requisite: FINA 301. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, and ECON 101 or ECON 201 or ECON 202 with a “C” or better. Three semester hours.

HCMT 315.PUBLIC HEALTH PRINCIPLES AND PRACTICES
This course is an overview of public health structure, policy, and public health practice. In contrast to clinical medicine, public health focuses on populations and strategies that can be used to promote health and prevent disease. The course will use problem-based and student-directed learning through lectures and small group discussions to highlight the roles of theory and practice in public health, and teach strategies that can be used to improve the health of entire populations. This course contributes to the student’s professional development and provides them with knowledge of public health systems and practices at the local, national and global levels. Prerequisites: HCMT 201 and institutional GPA of 2.5 or better. Three Semester Hours.

HCMT 369.SPECIAL TOPICS IN HEALTH CARE MANAGEMENT
This elective course allows for the study of various health care management topics which are not a part of the regular course offerings. This course may be repeated for additional credit as the topic changes. To repeat the course in order to improve a grade, the topic, the course number, and the semester hours must be the same. Prerequisite: Permission of the instructor. For business majors using this course as a selective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202 and ENGL 275 with a “C” or better. One to six semester hours.

HCMT 402.LONG TERM CARE MANAGEMENT
This course provides students with an overview of various settings for long-term care including nursing homes, senior housing options, adult day care, home health care, assisted living, and hospice. Students are introduced to ethical and quality care issues, reimbursement for services, and the role of technology, marketing and leadership responsibilities. Prerequisites: HCMT 201, HCMT 301, and HCMT 311 and an institutional GPA of 2.5 or better. Three semester hours.

HCMT 410.HEALTH CARE SYSTEMS
This course provides students with knowledge of issues specific to health care systems such as organizational structure, governance, strategic planning, community needs assessments, marketing, and health information technology applications. Prerequisites: HCMT 301, HCMT 311, MKT 301, and an institutional GPA of 2.5 or better. Three semester hours.

HCMT 490.INTERNSHIP IN HEALTH CARE MANAGEMENT
This course is designed to give students practical work experience in healthcare and healthcare related industries. The student works in an approved health agency or business environment under the supervision of professional employees and the course instructor. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. Prerequisites: Senior status, permission of course instructor required, and an institutional GPA of 2.5 or better. Co-requisite: HCMT 410. One to six semester hours.

HISTORY

HIST 101, 102.WESTERN CIVILIZATION
The historical development of Western institutions, ideas, and cultures from the beginning of civilization to 1918. The first semester covers the period before 1600, the second from 1600 to 1918. Neither course is a prerequisite for the other. (General Education – History) Three semester hours per course.

HIST 111.UNITED STATES HISTORY TO 1877
A general survey of U.S. history from the age of discovery to 1877. (General Education – History) Three semester hours.
HIST 112. UNITED STATES HISTORY SINCE 1877
A general survey of U.S. history from 1877 to the present. (General Education – History) Three semester hours.

HIST 121. WORLD CIVILIZATIONS TO 1600
The historical, cultural, political, economic, and geographical development of major world civilizations in the Middle East, Africa, Asia, Europe, and the Americas from the beginning of civilization to 1600 with a special focus on the origins of science and the impact of technological innovation on culture and society. (General Education – History) Three semester hour.

HIST 122. WORLD CIVILIZATIONS 1600-PRESENT
The historical, cultural, political, economic, and geographical development of major world civilizations in the Middle East, Africa, Asia, Europe, and the Americas from 1600 to the present with a special focus on the origins of science and the impact of technological innovation on culture and society. (General Education – History) Three semester hours.

HIST 201. THE HISTORIAN’S CRAFT: AN INTRODUCTION TO THE STUDY OF HISTORY
This course aims to introduce history students to the study of their discipline and to the techniques underlying historical study and research: the critique of primary and secondary sources; the Chicago Style of documentation and bibliography; and the composition of thesis statements, essays, reviews and papers. Students will also learn about the various genres of modern historical research. Should be taken in sophomore year. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 290. HISTORY PRACTICUM: PEER TUTORING
This course will not satisfy a history general education requirement. Instead it is intended to provide students with practical experience as teaching assistants in History. Actual practice should improve communication skills and should provide experience in synthesizing historical concepts. Prerequisite: Recommendation by faculty. One semester hour.

HIST 302. THE FRENCH REVOLUTION
This course is a study of the French Revolutionary and Napoleonic era, 1789-1815. The course also examines the prerevolutionary period, the Enlightenment, and the international setting of the late eighteenth century. Emphasis is placed on understanding interpretive materials as well as the narratives of events. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 306. LATIN AMERICA
A history of Latin America from pre-Columbian times to the present. Emphasis is on political, social and economic development and international relations. Junior/senior status recommended. Prerequisites: ENGL 102 and a 100-level general education history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 307. VIETNAM: A THOUSAND YEAR REVOLUTION
A comparison of the influence, the French, and the Americans on Vietnam; and a study of the responses of the Indo-Chinese peoples to foreign ideas and institutions. Junior/senior status recommended. Prerequisites: ENGL 102 and a 100-level general education history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 311. CIVIL WAR AND RECONSTRUCTION, 1850-1877
This course examines the causes of the Civil War, beginning with the conflict over the expansion of slavery into the territories acquired during the Mexican-American War. The political, economic, military and social aspects of the war will be examined. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 314. THE NEW SOUTH
This course focuses on the social, economic, environmental and political transformations of the American South after 1865 and punctuates the region’s transition to the modern period of U.S. history. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 316A. HISTORY OF BLACK EXPERIENCE: FROM AFRICA TO AMERICA
A study of the political, legal, social and economic experience of African immigrants, slave and free, in America from 1609 to the present. Students will encounter first-person accounts, material culture and historical interpretation. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.
HIST 317. THE U.S. CIVIL RIGHTS MOVEMENT
This course will introduce students to the major themes, events, and personalities in the U.S. Civil Rights Movement. Prerequisites: ENGL 102 and a three semester hour 100-level general education history course. Three semester hours.

HIST 322. AFRICAN HISTORY AND CULTURE
An introduction to aspects of Black African history and culture through an examination of anthropological, literary and historical materials. Emphasis will be placed on values within different African societies, on the effects of imperialism and on twentieth century independence movements. Prerequisite: Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 326. ANCIENT WORLD
This course will provide insights into the character of the Western world during antiquity. It will focus on some aspects of ancient life that had a great effect on the development of Western culture, politics, and society. This course will illustrate how the peoples of ancient Western societies thought and lived in ways different from our own. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 327. THE EARLY MIDDLE AGES
A survey of political, intellectual, and social life in Western Europe during the Early Middle Ages: the new politics, the recasting of society, manorialism, the confrontation with internal and external challenges, feudalism, church reform, and the rise of nation-states. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 328. THE HIGH MIDDLE AGES
A survey of political, intellectual, and social life in Western Europe during the High Middle Ages: the growth of nation-states, the triumphs and humiliations of the Papacy, the crusading movement, the transformation of legal traditions, twelfth century renaissance, and scholasticism. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 329. THE LATE MIDDLE AGES
A survey of political, intellectual, and social life in Western Europe during the Late Middle Ages: the consolidation of nation-states, decline of the medieval Empire, triumph and vicissitudes of the Papacy, refinements of law and representative government, demographic and man-made disasters, late medieval social/political dislocations and recoveries. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 330. ROBIN HOOD
Fact, film, and fancy tales featuring the hero of the green wood. This course will explore Robin Hood from the standpoint of historical fact, literary ballad, and cinematic art. Students will read medieval popular literature, investigate medieval outlawry, critique various films dating from the 1920s to the 1990s, and assess 306 reinterpretations of medieval times. Prerequisites: ENGL 102 and a 100-level general education history course. Junior/senior status recommended. (General Education – Humanities or Literature) Three semester hours.

HIST 343. MODERN BRITAIN
This course will begin with the Victorian era and continue through industrialism, imperialism, feminism, World Wars I and II, and Britain’s decline as a great power. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 344. SPORT IN AMERICAN HISTORY
This course examines the role of sport in American history, from the Colonial Era through today. Of central importance is the connection of sport to other significant themes in American history, including race, gender, class, economics, politics and diplomacy. Prerequisites: ENGL 102 and a 3-semester hour 100-level history course. Three semester hours.

HIST 345. UNITED STATES, 1877-1921: THE GILDED AGE AND THE PROGRESSIVE ERA
A study of the United States as it became rapidly industrialized, experienced social and economic stress, undertook political reform, and applied Progressive ideals before and during World War I. This course will stress issues of culture, race, gender and class as well as economics and politics. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.
HIST 346. UNITED STATES HISTORY 1920-1945: PROSPERITY, DEPRESSION, AND WAR
This course explores the history of the United States from 1920 to 1945, including the “Roaring 20s,” the Great Depression, and World War II. In addition to political and military themes, it stresses issues of culture, race, gender and class. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

This course explores American experience during the Cold War era, 1945-1991. The course will stress diplomatic and military themes, with secondary emphasis on domestic affairs, U.S. politics, culture, race, gender and class. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 348. UNITED STATES CULTURAL HISTORY SINCE 1900
This course examines American culture from 1900 to the present. It explores both "high" culture, such as literature, art, and classical music, and “popular” culture, such as film, sports, and rock and roll. It emphasizes connections between culture and race, gender, class, and politics in recent American history. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 349. 1968: AMERICA AND THE WORLD
This course explores the significant events and cultural movements that swept across the United States and the World in the year 1968. It places events that occurred in the United States in that year in a global context, and will include discussion of diplomatic, political, social, and cultural history. Prerequisites: ENGL 102 and a 3-semester hour 100-level history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 355. LATE ANTIQUITY
Survey of political, intellectual, and social life between 300 and 800 A.D.: the Christianization of the Roman Empire, Germanic migration and the resultant kingdoms, monasticism, the end of the Empire in the West, the continuing imperial polity of the East, the rise of Islam. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 370. MODERN EAST ASIA
This course will examine China and Japan in light of the impact of Western expansion and the resulting changes in politics, society, and culture. The time period covered will be from the mid-nineteenth century to the present. Junior/senior status recommended. Prerequisites: ENGL 102 and a 100-level general education history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 371. TOPICS IN GLOBAL ISSUES/NONWESTERN STUDIES
This special or experimental course is to be announced by the department to explore the diverse historical roots of world cultures and societies. Junior/senior status recommended. Prerequisites: ENGL 102 and a 100-level general education history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 375. MODERN CHINA
This course will take as its subject the history of China from the end of the sixteenth century to today, examining major events in Chinese history, such as the fall of the Ming dynasty and the rise of the Qing, the Opium Wars, the Taiping and Boxer Rebellions, the May Fourth Movement, and the Communist Revolution. Prerequisites: ENGL 102 and a 100-level general education history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 376. MODERN JAPAN
This course will explore the history of modern Japan from its beginnings in the late sixteenth century to today, with a focus on the period after 1800. This class will examine major events in Japanese history, such as the creation of the Tokugawa order, the Meiji Restoration, the establishment of the Japanese Empire, World War Two, the occupation of Japan by the United States, and the spread of Japanese popular culture. An important theme will be how foreign ideas have been selectively adapted in Japan, and how the Japanese have sought to establish their own identity vis-à-vis Asia and the West. Prerequisite: ENGL 102 and one 100-level History course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 380. INTRODUCTION TO PUBLIC HISTORY
An introduction to the methods of public history focusing on museum studies, but including archival practice, exhibit development, professional editing, oral history, and others. Offers initial preparation for public history careers. Course project requires 20 or more hours of on-site work at a museum, archives, historic site, national...
HIST 383. WARFARE THROUGH THE AGES
The development of weapons and strategies, their effects within the military and on civilian populations from the dawn of civilization to the modern age. Prerequisites: ENGL 102 and a 100-level general education history course. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 390. AMERICA'S RISE TO WORLD POWER: U.S. FOREIGN RELATIONS, 1776-1912
This course covers American foreign relations from 1776-1912, underscoring the significant international personalities, themes, and events that shaped the country’s interaction with the global community. Prerequisites: ENGL 102 and a three semester hour 100-level general education history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HIST 391. AMERICA AS A MAJOR WORLD POWER: U.S. FOREIGN RELATIONS 1912 TO THE PRESENT
This course covers American foreign relations from 1912 to the present, underscoring the significant international personalities, themes, and events that shaped the country’s interaction with the global community. Prerequisites: ENGL 102 and a three semester hour 100-level general education history course. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

This course offers students the opportunity to explore the early history and global impact of the Office of Strategic Services and the Central Intelligence Agency (1942-1963). Students will also evaluate how fiction writers and Hollywood have depicted espionage and counter-intelligence during the Second World War and the early years of the Cold War. Junior/Senior status recommended. Three semester hours.

HIST 399. HISTORIOGRAPHY
The course provides an introduction to the major developments in the practice of historical study. Attention will be given to changing methods, major schools of thought, and specific trends in historical interpretation. Prerequisites: ENGL 102, at least 6 credit hours of 100-level history courses, and HIST 201. Three semester hours.

HIST 441. SPECIAL TOPICS IN HISTORY
This special theme course in history is to be announced by the department. It will include experimental and interdisciplinary courses. Examples include, but are not limited to: Colonial and Revolutionary America, and South Carolina History. These courses are not sequential. Prerequisites: ENGL 102 and a 100-level general education history course. Three semester hours.

HIST 451. METHODS FOR TEACHERS OF SECONDARY SOCIAL STUDIES
This course will emphasize planning, implementing, and evaluating instruction of social studies at the secondary level. Students will integrate pedagogical theory and practice by developing curricular materials, lesson plans, and presentation strategies. Attention will be given to teaching students to use technology for research, analysis, and presentation. The course will cover the ten NCSS standards and the theory and methodology for instructing all social studies disciplines. Prerequisites: EDUC 320, EDUC 329, EDUC 351, and 18 hours of history at 300 level. Co-requisite: EDUC 429. Three semester hours.

HIST 490. INTERNSHIP
Students participate in practical work experience related to the study of history. Internship is supervised by a faculty member. Normally speaking, a student must be in good academic standing and have completed 45 semester hours of credit (6 of them in history) in order to participate in an internship. Other course prerequisite(s) may be required at the instructor’s discretion. Graded on a pass-fail basis. One to nine semester hours.

HIST 499. SENIOR CAPSTONE SEMINAR
This is a required course for students who major in history. Students will examine and apply analytical and research methodologies within a seminar on a specific theme that will vary from semester to semester. Students will also be asked to reflect upon the value of their historical studies both as regards their undergraduate education and their future professional lives. A final paper will be presented to a panel of the history faculty. Prerequisites:
Senior status, completion of HIST 201 and HIST 399, and completion of an additional twelve semester hours of history coursework at the 300 level or higher. Three semester hours.

HONORS COLLEGE

HONS 210. HONORS TRAVEL LABORATORY
This activity-based course builds travel skills and community for new students in the Honors College. Class meets periodically throughout the semester and includes preparation for and reflection on an overnight field trip. Co-requisite: HONS 211. One semester hour.

HONS 211. INTERNATIONAL ISSUES IN HUMANITIES
This course examines current issues in fields such as literature, cinema, philosophy, religion, history, and communication. Course topics change from year to year, but the course maintains a humanistic focus. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: Acceptance to the Honors College. Co-requisite: HONS 210. (General Education – Humanities or Literature) Three semester hours.

HONS 291. INTERNATIONAL ISSUES IN PUBLIC AFFAIRS
This course considers some major issues in the fields of economics and political science in the context of political economy. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Political Economy) Three semester hours.

HONS 292. INTERNATIONAL ISSUES IN LOGIC AND ANALYTICAL THOUGHT
This course explores skills requisite for higher-order inquiry and discussion in fields such as philosophy, logic, computer science, and mathematics. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Logic and Analytical Thought) Three semester hours.

HONS 294. INTERNATIONAL ISSUES IN BEHAVIORAL SCIENCES
This course explores the scientific study of the human condition, social structures and systems, and individual behavior and mental processes. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Behavioral Science) Three semester hours.

HONS 295. INTERNATIONAL ISSUES IN FINE ARTS
This course considers current issues in fields such as art, music, or theater. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Fine Arts) Three semester hours.

HONS 296. INTERNATIONAL ISSUES IN HISTORY
This course explores issues related to history and historiography within different societies. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – History) Three semester hours.

HONS 297. INTERNATIONAL ISSUES IN LITERATURE
This course examines literary works and their significance for world cultures. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Humanities or Literature or General Education – Literature) Three semester hours.

HONS 299. INTERNATIONAL ISSUES IN MATHEMATICS
This course considers the application of mathematical concepts to solve practical and theoretical problems. Course topics change from year to year. This is a seminar-style course that includes reading, discussion, and presentations in addition to problem solving. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Logic & Analytical Thought or General Education – Mathematics) Three semester hours.
HONS 389. DIRECTED INDEPENDENT STUDY
This course allows students to pursue unique projects and lines of inquiry as individuals or small groups with the support of a faculty guide. Course may be repeated for additional credit as the topic changes. One to three semester hours.

HONS 390. SPECIAL TOPICS
This course considers subject matter outside the general education curriculum including honors-level coursework linked to specific majors. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for credit as topics change. One to four semester hours.

HONS 393. INTERNATIONAL ISSUES IN EDUCATION
This course examines global issues related to teaching and learning, including educational problems and solutions within different societies. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

HONS 398. INTERNATIONAL ISSUES IN SCIENCE
This course explores topics from fields such as biology, chemistry, physics, and environmental science in a global context. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education - Global Issues/Nonwestern Studies) Three to four semester hours.

HONS 489. HONORS REFLECTION SEMINAR
This seminar—taken after completion of a study abroad, study away, internship, or independent research experience—guides students as they reflect upon and learn to market the skills they gained. One semester hour.

HONS 499. HONORS CAPSTONE SEMINAR
This seminar coaches students as they prepare and evaluate presentations for a conference or academic showcase. HONS 499 is taken in conjunction with a discipline-specific senior capstone course or with HONS 389. One semester hour.

HUMANITIES

HUMA 230. STUDIES IN HUMANITIES
These courses will offer a broad, interdisciplinary approach to the study of the Humanities or will study a humanities discipline other than those separately listed in Lander’s curriculum. Topics, course descriptions, and requirements will be announced in advance. Prerequisite: ENGL 102. (General Education – Humanities or Literature) Three semester hours.

HUMA 285. INTRODUCTION TO FILM STUDIES
The course will cover film history, aesthetics, and criticism from a historical, cultural, and theoretical context. The course will require readings on both the technological and artistic aspects of film and will also require analytical writing assignments. Selected films for the course will be viewed in a two-hour laboratory each week. Prerequisite: ENGL 102. (General Education – Humanities or Literature) Three semester hours.

HUMA 330. SPECIAL TOPICS IN HUMANITIES
These courses will examine specific topics in the humanities from the perspective of various disciplines or from that of a humanities discipline other than those separately listed in Lander’s curriculum. Topics, course descriptions, and requirements will be announced in advance. Prerequisite: ENGL 102. (General Education – Humanities or Literature) Three semester hours.

HUMA 390. SPECIAL TOPICS IN WORLD CULTURES
These courses will examine specific topics in the humanities from the perspective of various disciplines and various cultures. Topics either will address global issues or will focus on non-western cultures. Topics, course descriptions and requirements will be announced in advance. Prerequisite: ENGL 102. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies or General Education – Humanities or Literature) Three semester hours.
INTERDISCIPLINARY STUDIES

IDS 101. INTRODUCTION TO INTERDISCIPLINARY STUDIES
An introduction to the methodology of interdisciplinary study involving the integration of two or more fields of interest. Three semester hours.

IDS 499. INTERDISCIPLINARY CAPSTONE SEMINAR
The seminar will consist of readings in interdisciplinary methodology; an experiential learning activity that integrates two or more disciplines; an academic product such as a research project, original composition, advertising campaign, etc.; and submission of a portfolio of work produced through the program curriculum. The portfolio will be reviewed by the Interdisciplinary Studies Advisory Council for the purposes of both student evaluation and program assessment. Prerequisites: senior status; ENGL 102; IDS 101 with a “C” or better; and eighteen or more semester hours of 300 or higher level coursework. Three semester hours.

INTERDISCIPLINARY STUDIES AWAY

IDSA 201. PREPARING FOR STUDY ABROAD
This course prepares students for interacting effectively in cultures other than their own. It is designed to assist students in (a) developing learning and coping strategies for when they study abroad, outside their native cultural environment, as well as (b) developing the communication and intercultural skills needed for interacting successfully in new cultural environments. Topics include cultural values and assumptions, intercultural communication, and cross-cultural problems and adjustment. Prerequisite: Approved for Study Abroad. One semester hour.

IDSA 300. INTERDISCIPLINARY STUDIES AWAY-RECIPROCAL EXCHANGE
A student in any major may be able to study at another institution – either domestic or international - with which Lander has a reciprocal agreement by registering for the appropriate number of hours of IDSA 300 and paying normal Lander tuition and/or fees. Opportunities for reciprocal exchanges are limited by the terms of the agreements between Lander and other institutions. Credit hours earned at the host institution under IDSA 300 are subject to University transfer policies and will replace the IDSA 300 course when an official transcript is received from the host institution. Courses taken at another institution will not count in the Lander GPA, but will count in the scholarship GPA and overall GPA calculations. One to fifteen (variable) semester hours.

IDSA 301. INTERDISCIPLINARY STUDIES AWAY-NONRECIPROCAL EXCHANGE
A student in any major may be able to study at another institution – either domestic or international - by registering for the appropriate number of hours of IDSA 301 and paying to Lander the tuition and fees required by the other institution. Lander will then give credit for appropriate financial aid and will pay the tuition and fees to the other institution. Credit hours earned at the host institution under IDSA 301 are subject to University transfer policies and will replace the IDSA 301 course when an official transcript is received from the host institution. Courses taken at another institution will not count in the Lander GPA, but will count in the scholarship GPA and overall GPA calculations. One to fifteen (variable) semester hours.

JOURNALISM

JOUR 201. INTRODUCTION TO JOURNALISM
An introduction to journalism with emphasis on style, newsgathering, and newswriting for the mass media. The course will include study of and experience with news analysis, reporting skills, and beat reporting. Prerequisite: “C” or better in ENGL 101 and ENGL 102. Three semester hours.

JOUR 302. DESKTOP PUBLISHING
Introduction to and practical experience in the use of a variety of desktop publishing programs, including newspaper layout and design, digital photography, scanning, transmission of publications by email, and publishing to the internet. Prerequisite: JOUR 201. Three semester hours.

JOUR 303. INTRODUCTION TO WEB DESIGN
Introduction to and practical experience in the use of web design software. This course will emphasize both creative design theory as well as applied technology. Three semester hours.
JOUR 375. FEATURE AND MAGAZINE WRITING
Writing of feature and other non-fiction articles for publication in newspapers, magazines, and other print media. This course will take a concept, develop it into a manuscript, and show techniques for marketing materials. Prerequisite: JOUR 201. Three semester hours.

JOUR 490. JOURNALISM INTERNSHIP
This course allows practical application of the student’s specific field of interest in the media. Students will work a specified amount of time each week at a newspaper, in broadcast, or in public relations under the supervision of the hiring agency and a faculty sponsor. This internship is designed to give students a chance to apply their skills in a professional setting and help them determine career options. Prerequisite: JOUR 201 or permission of the division chair. Can be taken up to three times for a maximum of nine hours. One to nine semester hours.

LANDER ORIENTATION

LINK 101. LEADERSHIP, INVOLVEMENT, NETWORKING AND KNOWLEDGE
This course provides academic and co-curricular experiences for freshmen that will establish a firm foundation upon which students can build the skills, knowledge, and values essential for success in higher education and the world beyond. Through the various assignments completed for this course, our goal is that students will develop: 1) the intellectual, skill, and interpersonal competencies necessary for college success; 2) an autonomous and responsible emotional, intellectual, and social integration into college life; 3) a self-determined system of meaning and values; and, 4) a commitment to exploring and pursuing life goals. Required for all incoming students who have earned less than 24 hours. One semester hour.

LU 102. UNIVERSITY ORIENTATION 1
This course is designed to provide students an intensive introduction to Lander University and to instruct the student in basic academic skills which are needed in order for one to be successful in college. The one-half hour course is taught in a format that emphasizes hands-on, in-class academic skills designed to help students from the first day of enrollment. Graded as Pass/Fail. One-half semester hour.

LU 103. UNIVERSITY ORIENTATION 2
This course is designed to provide students a follow-up to LU 102 and to incorporate basic academic skills into the fall term which are needed in order for one to be successful in college. The one-half hour course is taught in a format that emphasizes hands-on, academic skills designed to help students make a seamless transition into college life including taking full advantage of campus resources, monitoring their time management and social activities, and learning how to prioritize their academic responsibilities. Prerequisite: LU 102. One semester hour.

LEADERSHIP DEVELOPMENT

LDSH 101. INTRODUCTION TO LEADERSHIP
Focuses on the “tools” of leadership (communications skills, decision-making, team-building, problem-solving), self-awareness, and action research and actual presentations of leadership project findings and recommendations. Two semester hours.

LPLP 101. LEADERSHIP DEVELOPMENT 1
Focuses on the “tools” of leadership (communications skills, decision-making, team-building, problem-solving), self-awareness, and action research and actual presentations of leadership project findings and recommendations. Prerequisite: Selection to and participation in the Lander President’s Leadership Program. One semester hour.

LPLP 102. LEADERSHIP DEVELOPMENT 2
Continues to build and expand upon the leadership skills presented in LPLP 101, and involves a field trip to observe the state legislature in session, and to interact with political and higher education leaders. Prerequisite: Selection to and participation in the Lander President’s Leadership Program. One semester hour.

MANAGEMENT

MGMT 301. PRINCIPLES OF MANAGEMENT
This course is a study of contemporary management theories and an analysis of the four basic management functions: planning, organizing, leading, and controlling. Students will learn how to use these functions for establishing and accomplishing business objectives. Students will build skills and gain insight into behavioral issues to more effectively manage and lead while articulating the vision and ethical climate for organizational
effectiveness. Areas of investigation include management theories, functions, and global perspectives, organizational environment, motivation, leadership, communication, decision-making, human behavior, operations, and social responsibility. Prerequisites: “C” or better in the following courses: BA 101, BA 251 and ENGL 275. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, and ECON 101 or ECON 201 or ECON 202 with a “C” or better. Three semester hours.

MGMT 315.HUMAN RESOURCE MANAGEMENT
This course is designed to expose students to current knowledge related to the best practices in human resource management. This course will discuss the changing economic, business, technological, socio-cultural and political environment and its implications for managing organizations and human resources. Prerequisite: Institutional GPA of 2.5 or better. Co-requisite: MGMT 301. Three semester hours.

MGMT 320.MANAGEMENT OF SMALL BUSINESSES AND FAMILY BUSINESSES
This course focuses on management strategies and issues facing small businesses and family businesses. Topics such as marketing challenges facing small business, the development of systems for small or family businesses, the challenge of developing professional managers, financing strategies, value enhancement strategies, exit strategies for retirement or wealth creation, succession issues, and critical strategic decisions. For business majors using this course as a elective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, and ENGL 275 with a “C” or better. Three semester hours.

MGMT 325.ENTREPRENEURSHIP AND INNOVATION
This course is designed to help individuals develop an understanding of the wealth creation process, gain an exposure to business motivational literature, explore the difference between entrepreneurship and small business, and comprehend the definition of innovation and its critical role in entrepreneurship. This course also explores motivational literature. The course will include an exploration of techniques for improving individual capacity for innovation. The course offers strategies and exercises on how to identify and develop viable ideas into businesses. For business majors using this course as an elective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. Three semester hours.

MGMT 330.OPERATIONS MANAGEMENT
This course studies the input-conversion-output processes associated with the manufacturing and service sector. Emphasis is placed upon inventory control, quality control, scheduling, facility layout, material requirements planning (MRP), and just-in-time (JIT) inventory systems. Prerequisites: “C” or better in MGMT 301 and ACCT 202, and an institutional GPA of 2.5 or better. Three semester hours.

MGMT 340.MANAGEMENT OF ORGANIZATIONAL BEHAVIOR
This course provides management students with a framework of understanding how behavior within business organizations is managed. Students will conduct analysis of situations involving individual and group behavior. Special attention will be placed on the development of small and large group theory, interpersonal relations, and achievement of the goals of the enterprise with and through people as individuals and as groups. Areas of investigation include motivation, stress, organizational process, control leadership, and group dynamics. Prerequisite: “C” or better in MGMT 301 and an institutional GPA of 2.5 or better. Three semester hours.

MGMT 355.PROJECT MANAGEMENT
As organizations continue to focus on project based management, business students will be expected to know the key concepts and fundamentals of being an effective project manager. This course will provide the foundation to understand the fundamentals of successful project management. Prerequisite: MGMT 301 and an institutional GPA of 2.5 or better. Three semester hours.

MGMT 369.SPECIAL TOPICS IN MANAGEMENT
This elective course allows for the study of various management topics which are not a part of the regular course offerings. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. To repeat the course in order to improve a grade, the topic, the course number, and the semester hours must be the same. Prerequisite: Permission of the instructor. For business majors using this course as an elective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of
ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. One to six semester hours.

MGMT 411. QUALITY IMPROVEMENT AND QUANTITATIVE TECHNIQUE
An examination of those systems that measure and maintain quality in organizations is conducted, this course examines the basic principles and techniques of quality management, as well as methods of measuring, assessing, and improving products and services such as the Deming and Donabedian approaches, Continuous Quality Improvement, and Total Quality Management. The quality movement in the United States and the adoption of the principles that have improved other industries by health care organizations will also be examined. This course will provide an overview of the current quality of care in the health care industry and other industries in the United States and other nations, including common challenges. Additionally, there is an introduction to the science of improvement, with the theories and tools commonly used to change systems. Prerequisite: MGMT 301. Three semester hours.

MARKETING

MKT 301. PRINCIPLES OF MARKETING
This course provides an introduction to the principles of marketing, particularly those applicable to micro-marketing. Main topics include the role of the marketing mix in business decision making, the development of the marketing strategy, international marketing, and implementing and control of market activities. Prerequisites: “C” or better in the following courses: ACCT 201, BA 101, MATH 211 or BA 225 and ECON 101 or ECON 201 or ECON 202. For business majors additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, and completion of ENGL 275 with a “C” or better. Three semester hours.

MKT 305. MARKETING COMMUNICATIONS
An introduction to the principles of integrated marketing communications (IMC) emphasizing the importance of coordinating all of the promotional mix elements. Topics include direct marketing, advertising, personal sales, sales promotions, event sponsorship, public relations, social media, and the internet. Material is applicable to profit, nonprofit, as well as governmental organizations. Prerequisite: “C” or better in MKT 301. Three semester hours.

MKT 325. SERVICES MARKETING
This course examines the consumer decision-making process in a service marketing context. It will cover various strategies for addressing commonly encountered issues when managing and marketing intangibles such as the inability to inventory, difficulty of synchronizing demand and supply, challenges in controlling performance quality of human interactions, and customer participation as creators of value. Emphasis is on service universals as opposed to any particular industry and is applicable to both service industries and goods industries with service components. Prerequisite: “C” or better in MKT 301 and an institutional GPA of 2.5 or better. Three semester hours.

MKT 369. SPECIAL TOPICS IN MARKETING
This elective course allows for the study of various marketing topics which are not a part of the regular course offerings. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. To repeat the course in order to improve a grade, the topic, the course number, and the semester hours must be the same. Prerequisite: Permission of the instructor. For business majors using this course as an elective, additional prerequisites include completion of 45 semester hours, institutional GPA of 2.5 or better, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a “C” or better. One to six semester hours.

MKT 415. MARKETING RESEARCH
This course applies research methodology to marketing and management problems. Topics such as questionnaire construction, sampling, data collection and quantitative data analysis are covered. Prerequisites: “C” or better in MKT 301, BA 304, an institutional GPA of 2.5 or better, and senior standing. Three semester hours.

MKT 420. MARKETING MANAGEMENT
This course provides a managerial perspective on integrating the marketing mix in formulating competitive marketing strategies and corresponding tactics to achieve success in the marketplace. Special emphasis will be placed on the concepts of market segmentation, differentiation and positioning in achieving brand awareness and obtaining market share through effective target marketing. The roles of creativity and entrepreneurship as they relate to capitalism in a global economy are examined. Material is applicable to profit, nonprofit, as well as
governmental organizations. Prerequisites: “C” or better in MKT 301, MGMT 301, and FINA 301, an institutional GPA of 2.5 or better, and senior standing. **Three semester hours.**

**MKT 440. DIGITAL MARKETING**

This selective course prepares students with a fundamental understanding of digital marketing channels and how successful marketing campaigns in today’s technologically-driven environment use numerous online and mobile platforms. This course covers the principles of digital marketing including internet marketing strategies, user-generated content, search engine optimization, email marketing, viral marketing, social media and mobile marketing campaigns (including SMS text), content strategy, paid and organic search advertising and new and emerging advertising media. Prerequisites: “C” or better in MKT 301, institutional GPA of 2.5 or better and junior/senior standing. **Three semester hours.**

**MASS COMMUNICATION**

**MCOM 199. MASS COMMUNICATION FRESHMAN SEMINAR**

Instruction and experiences that assist first-year Mass Communication emphasis students in becoming responsible, marketable, and ethical students of traditional and emerging media. Restricted to Mass Communication and Theatre Majors or permission of instructor. **Three credit hours.**

**MCOM 499. CRITICAL ISSUES IN MASS COMMUNICATION**

Senior capstone course discussing careers in mass communication, graduate schools, professional ethics, and an analysis of current ethical and legal issues. Restricted to Mass Communication emphasis students with senior status. **One semester hour**

**MATHEMATICS**

**MATH 101. SURVEY OF MATHEMATICS**

This course is designed for liberal arts majors. Students will be introduced to non-algebraic mathematical ideas from a variety of fields, such as business, computer science, and the social sciences. Topics may include but are not limited to: routes and networking; scheduling; modular arithmetic and check digit schemes; voting and elections; fair division; and apportionment. (General Education – Logic & Analytical Thought or General Education – Mathematics) **Three semester hours.**

**MATH 114. PRECALCULUS**

This course is designed to prepare students for calculus. The course begins with a review of some topics from algebra functions and their graphs including algebraic functions, inverse functions, exponential and logarithmic functions. The remainder of the course is devoted to an introduction to trigonometry. Specific topics from trigonometry include right triangle trigonometry, graphing trigonometric functions, and trigonometric identities and equations. **Three semester hours.**

**MATH 121. MATHEMATICS FOR BUSINESS, LIFE SCIENCE, AND THE SOCIAL SCIENCES**

Designed to introduce students to a variety of mathematical topics and their applications. Topics include linear and quadratic functions, systems of linear equations and matrix solutions, elementary linear programming, exponential and logarithmic functions, and mathematics of finance. (May not be taken by students who have successfully completed MATH 141). (General Education – Logic & Analytical Thought or General Education – Mathematics) **Three semester hours.**

**MATH 123. CALCULUS AND ITS APPLICATIONS**

An intuitive presentation of the concepts of calculus interwoven with numerous real-world applications of mathematical models. Topics include: algebraic, exponential, and logarithmic functions, limits, continuity, derivatives, and integrals. Applications in the Physical, Life and Social Sciences, Business, and Medicine. (Not intended for Mathematics majors. May not be taken by students who have successfully completed MATH 141.) Competence in college level algebra is necessary for successful completion of the course. (MATH 121 or MATH 114 is suggested for those without adequate mathematical background.) (General Education – Logic & Analytical Thought or General Education – Mathematics) **Three semester hours.**

**MATH 125. INTRODUCTION TO DISCRETE MATHEMATICS**

Mathematical concepts useful to computer science majors. Topics include number operations, counting principles, sets, relations, functions, arrays, number systems, Boolean algebra, and graph theory. **Three semester hours.**
MATH 134. INTRODUCTION TO ABSTRACT MATHEMATICS
An introduction to theoretical mathematics and proof techniques. Topics in logic, set theory, number theory, calculus, and elementary algebra will be used to illustrate some of the methods used in upper-level courses in the major. Students will also learn to use mathematical typesetting software. Co-requisite: MATH 142. Two semester hours.

MATH 141. SINGLE VARIABLE CALCULUS I
Limits, continuity, the derivative, the chain rule, implicit differentiation, applications of the derivative, and the Mean Value Theorem. Definite and indefinite integration, the Fundamental Theorem of Calculus, and an introduction to integration through u-substitution. Students must have a thorough knowledge of precalculus such as is covered in MATH 114, including proficiency with algebra and the trigonometric functions. Students without such a background are strongly advised to take MATH 114. (General Education – Logic & Analytical Thought or General Education – Mathematics) Four semester hours.

MATH 142. SINGLE VARIABLE CALCULUS II
Techniques of integration, improper integrals, applications of the integral, infinite sequences and series, power series, Taylor’s Theorem, and parametric and polar curves. Prerequisite: “C” or better in MATH 141. Four semester hours.

MATH 200. INTRODUCTION TO MODELING AND SIMULATION
Modeling with differential equations in a variety of fields including Ecology, Physics, Biology, and Business. Qualitative analysis of such models, and approximation via numerical methods and with simulation software. Prerequisites: “C” or better in MATH 121 or MATH 123 or MATH 141. Previous programming experience is recommended. Three semester hours.

MATH 203. MATHEMATICS FOR ELEMENTARY TEACHERS
This course provides some of the content necessary for elementary school teachers. Topics covered include problem solving, intuitive geometry, and measurement. May be taken by only Early Childhood Education, Elementary Education, and Special Education majors. Three semester hours.

MATH 211. INTRODUCTION TO STATISTICAL METHODS I
An introduction to elementary data analysis, descriptive measures, theoretical distributions of random variables, and sampling distributions of statistics leading to statistical inference including estimation of parameters with confidence intervals and tests of hypotheses. (MATH 311 is recommended for mathematics majors and is required for dual-degree engineering students.) (General Education – Logic & Analytical Thought or General Education – Mathematics) Three semester hours.

MATH 212. INTRODUCTION TO STATISTICAL METHODS II
A continuation of MATH 211 includes comparing parameters of two or more populations, analyses of count data by means of multinomial distributions and contingency tables, discussion of issues of elementary experimental design, simple linear regression and correlation, analysis of variance methods, and additional topics as time allows. Students will make frequent use of a statistical software package. Prerequisite: MATH 211, or MATH 311, or BA 225, or comparable course with permission of the instructor. (General Education – Logic & Analytical Thought or General Education – Mathematics) Three semester hours.

MATH 241. MULTIVARIABLE CALCULUS
Vectors in R^2 and R^3, functions of several variables, partial differentiation, multiple integrals, applications of multivariable calculus, divergence, curl, line and surface integrals, Green’s Theorem and Stokes’ Theorem. Prerequisite: “C” or better in MATH 142. Four semester hours.

MATH 242. DIFFERENTIAL EQUATIONS
Basic theory and solutions of ordinary linear differential equations. Applications in mechanics and vibrations. Power series solutions at ordinary points and at regular singular points. Introduction to Laplace transform methods and systems of ordinary differential equations. Prerequisites: “C” or better in MATH 241. Four semester hours.

MATH 270/390. TOPICS IN MATHEMATICS AND STATISTICS
This elective course allows for a flexible offering of various mathematical and statistical topics which are not a part of the regular course offerings. Special topics will be announced in advance. This course may be taken for additional credit as the topic changes. To repeat the course to improve a grade; the topic, the course number, and
the semester hours must be the same. This course will not be offered more than once a semester. Prerequisite: Permission of the instructor. One to three semester hours.

MATH 290. MATHEMATICS PRACTICUM
Designed to give students practical experience in tutoring mathematics. Elective credit only. Graded as Pass/Fail. By permission of Department Chair. One semester hour.

MATH 300. NUMERICAL ANALYSIS
An introduction to scientific computing. The use of numerical methods in solving equations, systems of linear equations, and differential equations. Numerical integration. (Cross-listed as CIS 300.) Students are encouraged to take CIS 102 or CIS 202. Prerequisites: MATH 142 (“C” or better) and CIS 130. Three semester hours.

MATH 308. LINEAR ALGEBRA
An introductory study of vector spaces. Topics include systems of linear equations, determinants, matrices, linear transformations, and eigenvalues. Prerequisite: “C” or better in MATH 142. Three semester hours.

MATH 311. MATHEMATICAL STATISTICS
A calculus-based introduction to both the theory and applications of probability and statistics. Topics include elementary data analysis, probability distributions and density functions, estimation, hypothesis testing, and simple linear regression. Students will make frequent use of a statistical software package. Prerequisite: “C” or better in MATH 142 or instructor approval. Three semester hours.

MATH 325. DISCRETE MATHEMATICS
An introduction to the mathematics of enumeration to include counting, inclusion-exclusion, generating functions, and recursion. Basic graph theory (paths, circuits, planarity, trees, colorings) and Boolean algebra. Numerous applications to a wide variety of disciplines such as computer science, engineering, operations research, biology, chemistry, and political science. Prerequisite: “C” or better in MATH 142. Three semester hours.

MATH 350. MATHEMATICS HISTORY
A study of mathematics with a historical perspective. Emphasis on the development of mathematics from ancient to near-modern times. Required for secondary certification mathematics majors. Prerequisite: “C” or better in MATH 142. Three semester hours.

MATH 351. GEOMETRY
A formal study of geometry. Topics include a modern axiomatic development of Euclidean geometry, the historical development of non-Euclidean geometries, proof techniques, constructions, and applications. Prerequisite: “C” or better in MATH 142. Three semester hours.

MATH 390/270. TOPICS IN MATHEMATICS
This elective course allows for a flexible offering of various mathematical and statistical topics which are not a part of the regular course offerings. Special topics will be announced in advance. This course may be taken for additional credit as the topic changes. To repeat the course to improve a grade; the topic, the course number, and the semester hours must be the same. This course will not be offered more than once a semester. Prerequisite: Permission of the instructor. One to three semester hours.

MATH 421. ABSTRACT ALGEBRA I
An introduction to algebraic systems, groups, rings, integral domains, and polynomial rings. Prerequisites: MATH 134, and a “C” or better in MATH 142. Three semester hours.

MATH 422. ABSTRACT ALGEBRA II
A continuation of MATH 421 including fields, ideals, quotient rings, vector spaces, linear transformations and field extensions. Prerequisite: “C” or better in MATH 421. Three semester hours.

MATH 431. ANALYSIS I
A careful study of real functions of a real variable. Topics include topology of the line, sequences, limits, continuity, differentiation, and the Riemann integral. Prerequisites: MATH 134 and a “C” or better in MATH 241. Three semester hours.

MATH 432. COMPLEX ANALYSIS
An introduction to complex analysis including analytic functions, Cauchy’s Theorem and Formula, Taylor and Laurent series, contour integration, and residue calculus. Prerequisite: MATH 241. Three semester hours.
MATH 450. TECHNOLOGY IN SECONDARY MATHEMATICS
This course examines integrating instructional technologies (calculators, data collectors and computers) into the secondary mathematics curriculum. The curriculum focuses on problem solving in Pre-Algebra, Elementary and Advanced Algebra, and Geometry. Prerequisite: Junior or senior status. Three semester hours.

MATH 451. SECONDARY MATHEMATICS METHODS
Strategies and techniques which are essential to the effective teaching of mathematics in secondary schools. Primary topics include planning, presentation, and evaluation. A clinical experience is required. Prerequisites: MATH 241 (“C” or better), EDUC 202, and EDUC 329. Co-requisite: EDUC 429. Three semester hours.

MATH 490. MATHEMATICS INTERNSHIP
Designed to give students practical work experience in a field related to their major. The student will work through an approved agency or business under the supervision of professional employees and a major advisor. Credit hours awarded is determined on a case-by-case basis by the Department Chair and mathematics faculty. Course grade will be determined based on the written evaluations by the field supervisor and written report rendered by the student. Prerequisites: 15 semester hours in major area and permission of the instructor. Juniors and seniors only. One to four semester hours.

MATH 499. CAPSTONE COURSE--MATHEMATICS
This course is designed to be taken during a student’s final spring semester at Lander. It will include a review of some major topics in mathematics, a discussion of topics relevant to careers in mathematics (e.g. resumes and interviewing), and opportunities to communicate mathematical ideas both orally and in a written format. Completion of program assessment requirements is also an integral part of this course and performance on assessment components will be reflected in the course grade. This course is open to all seniors and to juniors who are in the dual-degree engineering program. One semester hour.

MEDIA

MEDA 101. INTRODUCTION TO MASS MEDIA
This course studies the roles and different interactive influences of American mass media. A particular emphasis will be placed on the economic, political and social effects of the media as well as First Amendment freedom and ethical issues. Three semester hours.

MEDA 200. MEDIA SKILLS
This course introduces students to key concepts, equipment, technologies, and issues related to communication media. Topics include emerging standards, key technologies and related design issues, terminology, media formats, and ethical issues. Upon completion, students should be able to demonstrate basic competencies in media equipment and production technology for presentations, audio, print, photography, video and web communication. Prerequisites: MEDA 101. Three semester hours.

MEDA 204. COMMUNICATIONS DESIGN
In this introductory studio graphics class, students will develop an understanding of the complexities and challenges that face today’s graphic designers. Students will focus on the entire design process during this course, including idea development, research, production and presentation. May not be taken by Visual Arts majors. Three semester hours.

MEDA 210. INTRODUCTION TO TELEVISION
An overview of television including its prehistory (prior to 1947), the Network Era (1948-1975), and the Cable Era (1976-1994) to the Digital Era (1995–present) examining television's growth into a convergent technology, a global industry, a social catalyst, and a legitimate art form. Prerequisite: MEDA 101. Three semester hours.

MEDA 219. COMMUNICATIONS PHOTOGRAPHY
Communications photography emphasizes the practical techniques of digital photography, with an emphasis on the creative use of camera controls, exposure, digital imaging software, and image presentation. The course concentrates on assignments, critiques, demonstrations, lectures and personal projects to provide a foundation for creatively experiencing the photographic medium. A digital SLR camera with manual exposure is recommended. Prohibited from students having earned credit in ART 229. May not be taken by Visual Arts majors. Three semester hours.
MEDA 290. MEDIA PRACTICUM
An on-campus internship designed to give students a practical, co-curricular work experience under the direct supervision of a professional in the student’s area of interest. Course may be repeated for no more than 6 semester hours total credit. Prerequisites: JOUR 201 and permission of advisor and campus supervisor. One to three semester hours.

MEDA 301. SPECIAL TOPICS IN MASS COMMUNICATION
This course focuses on selected topics in mass communication. Topics are chosen to address a subject that is not normally covered in the curriculum or to provide additional in-depth study on a particular topic. Prerequisite: MEDA 101. Three semester hours.

MEDA 302. RADIO PRODUCTION
This course involves theory and practice of a radio station’s operation and management. Production laboratories and visits to radio stations are required. Prerequisite: MEDA 200 and SPCH 102 or SPCH 201. Three semester hours.

MEDA 310. DIGITAL VIDEO PRODUCTION
This course introduces students to the fundamentals of digital video production. Students will learn the technological, aesthetic, and theoretical basics of video production and will produce 3 short videos. Students will experience hands-on technical training in scriptwriting, storyboarding, camera operations, non-linear editing, lighting, and sound equipment. Prerequisites: MEDA 101, MEDA 200, and JOUR 201. Three semester hours.

MEDA 312. ADVANCED AUDIO PRODUCTION
This course is designed to advance the skills of students in the area of audio production, specifically in the hands-on production of commercials, PSAs, radio features, news stories, and specialty programs. Students will be required to actively participate in on-air duties on XLR (the Lander University campus radio station). Students will develop advanced audio production proficiency; develop an “ear” for aesthetically pleasing production, and gain a good working knowledge of long format radio. Prerequisite: MEDA 302. Three semester hours.

MEDA 340. TELEVISION NEWS REPORTING
Introduction to television production techniques including the writing, videography and video editing. The emphasis is on learning the legal, theoretical and practical requirements of producing television news. Prerequisites: MEDA 101 and JOUR 201 or instructor’s permission. Three semester hours.

MEDA 341. INTRODUCTION TO PUBLIC RELATIONS
This class examines the history, principles and practice of public relations. It also acquaints students with the tools, techniques and strategies of the profession. Prerequisite: MEDA 101. Three semester hours.

MEDA 342. PR COMMUNICATIONS
This class is designed to develop the professional-level communication skills expected of public relations practitioners. Students will learn fundamental concepts of public relations communications and will create products including PR plans, speeches, press releases, fact sheets, newsletters, brochures, webpages and media kits. Presentation skills will also be emphasized. Prerequisites: SPCH 101 and MEDA 341. Three semester hours.

MEDA 343. PR CASES AND CAMPAIGNS
Students will develop an understanding of theoretical and applied principles of public relations campaigns and programs by examining successful and unsuccessful PR cases. They will use this knowledge to create a comprehensive public relations campaign. Prerequisite: MEDA 341. Three semester hours.

MEDA 345. ADVERTISING STRATEGIES AND DESIGN
This course will concentrate on brand identity and targeted advertising across multiple media outlets. Students will explore the fundamental principles of branding, placement, and digital solutions. Students will learn how to strategically utilize each medium into a singular campaign that will be presented at the end of the course. Prerequisite: MEDA 204 or MEDA 341. Three semester hours.

MEDA 350. WEB DISTRIBUTION
This class will explore and develop fundamental website design principles and protocols for creative content distribution. Students will critically examine historic distribution models and the advent of online distribution. Students will evaluate various sites to design their own. Prerequisite: MEDA 204 or JOUR 303. Three semester hours.
MEDA 351. SOCIAL MEDIA
This course will examine today’s evolving world of social media and how to target and attract communities and create awareness. Students will explore search engine optimization, social media research, consumer behavior, strategic planning, and social media campaigns on social platforms like Facebook, Twitter, Foursquare, LinkedIn and Google+. Prerequisite: MEDA 101. Three semester hours.

MEDA 360.WRITING FOR MULTIPLE MEDIA
This course explores the principles and practices of writing across the media, with a focus on the elements of good journalism. Students will complete assignments on gathering, writing and presentation of news and information suitable for publication in multiple media. Students will also analyze various multimedia products. Prerequisite: JOUR 201 or permission of instructor. Three semester hours.

MEDA 370.DOCUMENTARY FILMS.
This course traces the evolution of documentary filmmaking from the early 20th century to present day. The class will discuss the variety of styles that are used making documentaries. Prerequisites: ENGL 102 with a “C” or better. (General Education - Humanities or Literature) Three semester hours.

MEDA 371.INTERNATIONAL FILMS.
This course introduces students to select international films and directors. This course examines the cultural, historical, and cinematic influences of these directors and films. Prerequisite: ENGL 102 with a “C” or better. (General Education - Humanities or Literature) Three semester hours.

MEDA 372.GREAT FILM DIRECTORS.
This course highlights and examines in detail the careers of the most renowned directors in film history. Students will learn about and discuss the different styles and approaches by these directors. Prerequisite: ENGL 102 with a “C” or better. (General Education - Humanities or Literature) Three semester hours.

MEDA 380.SPECIAL TOPICS IN GLOBAL MEDIA
This course will examine special topics related to global media or global media issues. Course topics will change from year to year. Special topics and requirements will be announced in advance and this course may be repeated for additional credit as the topic changes. Prerequisite ENGL 102. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies or General Education – Humanities or Literature). Three semester hours.

MEDA 410.ADVANCED DIGITAL VIDEO PRODUCTION
This course gives students hands-on experience with applying techniques of television and video production. Students work in groups as production teams to produce short films and informational videos. Prerequisites: MEDA 340 or MEDA 310 or instructor’s permission. Three semester hours.

MEDA 421.SEMINAR IN MEDIA LAW AND ETHICS
Study of the history of mass communication law as well as a focus on contemporary legal and ethical issues. A research paper is required. Prerequisite: MEDA 101. Three semester hours.

MEDA 450. ADVANCED TELEVISION PRODUCTION
The emphasis is on the techniques of live studio news production. Students study the process of producing and directing studio camera operations and television news writing. Prerequisites: MEDA 310. Three semester hours.

MEDA 460.MEDIA CONVERGENCE
An introduction to the tools and practices of the converging media environment. The course places emphasis on understanding content differences between media and on developing multi-media skills needs to move across a variety of media platforms. Prerequisites: JOUR 201, MEDA 302 and MEDA 340 or permission of instructor. Three semester hours.

MEDA 490.INTERNSHIP IN MEDIA SERVICES
Internship is designed to give the student a practical work experience under the supervision of a professional. A student will work through an approved agency, business, or academic environment under the supervision of one of its professional employees and designated professor. Suitable positions determine availability of internships. Prerequisites: Junior or senior standing or permission of instructor. One to six semester hours.
MILITARY SCIENCE AND LEADERSHIP

MSL 101.LEADERSHIP PERSONNEL DEVELOPMENT
Cadets are introduced to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. No military obligation incurred. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (2 hrs. lecture, 3 hrs. lab, weekly.) Two semester hours.

MSL 101L, 102L.BASIC LEADERSHIP LABORATORY I
ROTC laboratories bring together all elements of classroom instruction into field training, focusing on basic knowledge and comprehension of the Army leadership dimensions. Laboratories are designed to introduce the freshman cadet to drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. This course is required for contracted cadets. (No military obligation incurred for non-contracted students.) Co-requisite: MSL 101 or MSL 102. (3 hrs. lab weekly held off campus.) One semester hour.

MSL 102.INTRODUCTION TO TACTICAL LEADERSHIP
This course gives an overview of leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. No military obligation incurred. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (2 hrs. lecture, 3 hrs. lab, weekly.) Two semester hours.

MSL 201.INNOVATIVE TEAM LEADERSHIP
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. No military obligation incurred. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (2 hrs. lecture, 3 hrs. lab, weekly.) Two semester hours.

MSL 201L, 202L.BASIC LEADERSHIP LABORATORY II
This laboratory class continues to build on skills learned in Basic Leadership Laboratory I by bringing together all elements of classroom instruction into field training focusing on basic knowledge and comprehension of the Army leadership dimensions. Laboratories are designed to reinforce the sophomore cadet’s introduction to drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. Required for contracted cadets. (No military obligation incurred to non-contracted students.) Co-requisite: MSL 202 or 202. (3 hrs. laboratory weekly.) One semester hour.

MSL 202.FOUNDATIONS OF TACTICAL LEADERSHIP
This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). In addition, the course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. No military obligation incurred. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (2 hrs. lecture, 3 hrs. lab, weekly.) Two semester hours.

MSL 301.ADAPTIVE TEAM LEADERSHIP
This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). In addition, the course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. No military obligation incurred. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (2 hrs. lecture, 3 hrs. lab, weekly.) Two semester hours.

MSL 302.ADAPTIVE TEAM LEADERSHIP
Cadets study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. Prerequisite: Basic course or credit for equivalent training approved by the Professor of Military Science. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (3 hrs. lecture, 3 hrs. lab, weekly.) Four semester hours.

MSL 302.APPLIED TEAM LEADERSHIP
Cadets face increasingly intense situations in order to build awareness and apply team leadership skills in leading tactical operations at the small unit level. Cadets review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in the operation orders process. The focus is on exploring, evaluating, and developing skills in decision-making, influencing others, and motivating team members in the

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contemporary operating environment. Cadets are evaluated on what they know and do as leaders as they prepare to attend the Leader Development Assessment Course. Prerequisite: Basic course or credit for equivalent training approved by the Professor of Military Science. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (3 hours lecture, 3 hours lab, weekly.) Four semester hours.

**MSL 321-322. ADVANCED ARMY PHYSICAL FITNESS I**

ROTC Physical Fitness Training Laboratories develop, improve, and maintain the high levels of physical strength and stamina required to be successful as an Army officer. Training includes basic nutrition, running for distance, muscular strength and endurance, flexibility, and recreational activities. While participating, junior cadets will also plan daily activities and lead training events, focusing on form and duration for maximum training effect. Cadets will be evaluated for proper Army procedure and in their performance, including a monthly Army Physical Fitness Test on push-ups, sit-ups, and the 2-mile run. Limited to and required for all contracted cadets. Co-requisite: MSL 301 or 302. (3 hrs. laboratory weekly) One semester hour each.

**MSL 401. DEVELOPING ADAPTIVE LEADERS**

Cadets learn the duties and responsibilities of an Army staff officer and apply the military decision making process, the Army writing style, and the Army's principles of training management during weekly training meets to plan, execute, and assess ROTC battalion training events. Cadets learn the Army officer's role in the Uniform Code of Military Justice, the counseling of subordinates, administrative actions, and how to manage their career as an Army Officer. Senior cadets train, mentor, and evaluate junior cadets while being mentored and evaluated by experienced ROTC cadre. Prerequisites: MSL 301 and 302. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (3 hours lecture; 3 hours lab, weekly) Four semester hours.

**MSL 402. LEADERSHIP IN A COMPLEX WORLD**

Cadets explore the dynamics of leading in the complex situations of current military operations in the contemporary operating environment. Cadets examine the differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Cadets also explore aspects of interacting with non-governmental organizations, civilians of the battlefield, and host-nation support. This course places significant emphasis on preparing cadets for their first unit of assignment using case studies, scenarios, and exercises to prepare cadets to face complex ethical and practical demands of leading as commissioned officers in the U.S. Army. Prerequisites: MSL 301 and MSL 302. Cadets must attend ROTC Physical Fitness Training three days a week for 1 hr. (3 hrs. lecture, 3 hrs. lab, weekly) Four semester hours.

**MSL 490. INTERNSHIP**

The student will serve as the ROTC Department Assistant Operations Officer for one of several specified Military Staff Functions: Administration, Staff Operations, Logistics, Civil Military Relations, Physical Fitness, Information Management and Operations, or Recruiting. The student will assist in the development, and maintenance of an 18-24 month calendar, and will be responsible for assisting in the planning coordination, and execution of scheduled activities. Any student interested in this internship must coordinate and receive prior approval from the Professor of Military Science and Leadership. All activities will support ROTC efforts at Lander University, Presbyterian College, and Newberry College. The student will plan and coordinate with the Professor of Military Science to determine the location of the internship. The student and faculty member will schedule necessary conferences throughout the term. The student will prepare and submit to the instructor a final written report of the internship project. This will be in the form of a planned, coordinated, supported physical fitness program. Prerequisite: Permission of the Professor of Military Science and Leadership. Four semester hours.

**MONTESSORI**

See pages 159-160.

**MUSIC**

**MUSI 003. STRING ENSEMBLE**

Reading and performance experiences of literature for small ensembles of homogeneous and heterogeneous stringed instruments. Open to all string instrumentalists by invitation or audition. May be repeated for additional credit. One semester hour.
MUSI 004. PIANO ENSEMBLE
Reading and performance of accompaniments, chamber music, duets, and literature for multiple keyboards. Open to all students by audition or invitation. May be repeated for additional credit. One semester hour.

MUSI 005. GUITAR ENSEMBLE
Reading and performance experiences of guitar ensemble music from all musical periods. Studied works from duets to full guitar ensemble. Open to all students by audition or invitation. May be repeated for additional credit. One hour credit.

MUSI 006. BRASS ENSEMBLE
Reading and performance experiences of brass chamber music. Works studied range from duets to full brass ensemble. Open to all students by audition or invitation. May be repeated for additional credit. One semester hour.

MUSI 007. PERCUSSION ENSEMBLE
Reading and performance of percussion ensemble music. Open to all students by audition or invitation. May be repeated for additional credit. One semester hour.

MUSI 008. WOODWIND ENSEMBLE
Studies original and transcribed chamber music for small ensembles of homogeneous and heterogeneous woodwind instruments. Open to all woodwind instrumentalists by invitation or audition. May be repeated for additional credit. One semester hour.

MUSI 009. JAZZ COMBO
Study and performance of jazz repertoire and improvisation. Open to all students by audition or invitation. May be repeated for additional credit. One semester hour.

MUSI 017. RECITALS AND CONCERTS
A course to expose music majors to a variety of music literature and performers. Required of music majors each semester enrolled as a full time student. Not to exceed seven semesters. Graded pass/fail. No credit.

MUSI 101. INTRODUCTION TO MUSIC
An introductory course in listening, with accompanying discussion of the historical-cultural aspects of the art of music. This course is intended for non-music majors. (General Education – Fine Arts) Three semester hours.

MUSI 111, 112. FIRST-YEAR THEORY
A study of the principles of tonal harmony including notation, intervals, key signatures, scales, triads and seventh chords and their inversions, part-writing, non-harmonic tones and rhythm. Analytical and compositional skills are explored. Generally taken in conjunction with MUSI 113-114. Prerequisite: “C” or better in MUSI 111 is a prerequisite for MUSI 112. Three semester hours each.

MUSI 113, 114. FIRST-YEAR THEORY APPLICATIONS
Applications of the melodic, harmonic, and rhythmic fundamentals of music through sight singing, ear training, keyboard harmonization, and composition. Includes use of computer tutorials. Generally taken in conjunction with MUSI 111-112. Prerequisite: “C” or better in MUSI 113 is a prerequisite for MUSI 114. One semester hour each.

MUSI 123. PIANO CLASS I
Introductory course for the study of proper keyboard technique. Piano classes I-IV comprise a sequential course of study of piano materials, methods, and techniques. Non-music majors may enroll on a space available basis. Offered in fall semester. One semester hour.

MUSI 124. PIANO CLASS II
See MUSI 123. Prerequisite: MUSI 123 or instructor’s permission. Offered in spring semester. One semester hour.

MUSI 125. VOICE CLASS I
Introductory course for the study of proper singing technique. Voice Classes I-IV comprise a sequential course of study of vocal materials, methods, and techniques. Non-music majors may enroll on a space available basis. Offered in fall semester. One semester hour.
MUSI 126. VOICE CLASS II
See MUSI 125. Prerequisite: MUSI 125 or instructor’s permission. Offered in spring semester. One semester hour.

MUSI 131. STRINGS AND WOODWINDS
Characteristics and techniques peculiar to bowed stringed and woodwind instruments. For music majors. One semester hour.

MUSI 132. BRASS AND PERCUSSION
Characteristics and techniques peculiar to brass and percussion instruments. For music majors. One semester hour.

MUSI 141. UNIVERSITY SINGERS
Mixed chorus. Studies of choral music of all style periods. Presents campus and area concerts. Open to all students without audition. Required ensemble for voice and keyboard students. May be repeated for additional credit. One semester hour.

MUSI 142. OLD MAIN SINGERS
A small vocal ensemble which performs choral literature of diverse musical styles ranging from Renaissance motets to contemporary pop songs as well as standard ballads and Broadway show tunes. Presents short concerts on campus and in the community. Open to all students by audition only. May be repeated for additional credit. One semester hour.

MUSI 143. CHAMBER STRINGS
Studies in string orchestral literature of different historical periods. Presents campus performances. Open to students with string/instrumental experience. May be repeated for additional credit. One semester hour.

MUSI 144. PEP BAND
Study and performance of music for the basketball band. Open to all students by audition or invitation. May be repeated for additional credit. One semester hour.

MUSI 145. JAZZ ENSEMBLE
A contemporary music ensemble utilizing the normal big band instrumentation of saxophones, trumpets, trombones, and rhythm section. Presents concerts on campus and in the community. Open to instrumentalists by audition or invitation. May be repeated for additional credit. One semester hour.

MUSI 146. INTRODUCTION TO JAZZ IMPROVISATION
Introduction to the language of jazz improvisation including nomenclature, chord progressions, scales, melodic development, transcription, and application to standard jazz repertoire. Prerequisite: Music major/minor or consent of instructor. Two semester hours.

MUSI 149. WIND ENSEMBLE
Studies concert band/wind ensemble literature of all historical periods. Presents campus and tour concerts. Open to all students with instrumental experience. Required ensemble for instrumental students. May be repeated for additional credit. One semester hour.

MUSI 201. INTRODUCTION TO MUSIC HISTORY
An introduction to the study of western art music with listening and analysis of works from the Middle Ages to contemporary times. Study of the relation of music to the history of western civilization and the other arts. Survey of principal composers’ biographies. Discussion of primary genres and forms. (General Education – Fine Arts) Three semester hours.

Because of similarity of content, MUSI 201 may be taken in place of MUSI 101 by students of other majors. Students should confer with the course instructor if interested. Students must choose either course; it is not possible to earn credit from both courses.

MUSI 211, 212. SECOND-YEAR THEORY
A continuation of Music 111-112 with emphasis on non-dominant seventh chords, chromatic harmony, modulation, part-writing, counterpoint, formal analysis, atonal analysis skills, and 20th century styles. Generally taken in conjunction with MUSI 213-214. Prerequisite: “C” or better in MUSI 112 is a prerequisite for MUSI 211; “C” or better in MUSI 211 is a prerequisite for MUSI 212. Three semester hours each.
MUSI 213,214. SECOND-YEAR THEORY APPLICATIONS
A continuation of 113-114 with emphasis on harmonic dictation, keyboard harmonization, jazz chords, sequencing, composition, sight singing. Includes use of computer tutorials. Generally taken in conjunction with MUSI 211-212. Prerequisite: “C” or better in MUSI 114 is a prerequisite for MUSI 213; “C” or better in MUSI 213 is a prerequisite for MUSI 214. One semester hour each.

MUSI 222. MATERIALS AND METHODS K-8
A study of materials and methods used by the music specialist in the elementary and middle school, including current trends in the inclusion of the techniques of Orff, Kodaly and others into the traditional approaches. Students are introduced to computer assisted technology in the elementary music classroom. Prerequisite: MUSI 112, 114. Two semester hours.

MUSI 223. PIANO CLASS III
See MUSI 123. Prerequisite: MUSI 124 or instructor’s permission. Offered in fall semester. One semester hour.

MUSI 224. PIANO CLASS IV
See MUSI 123. Prerequisite: MUSI 223 or instructor’s permission. Offered in spring semester. One semester hour.

MUSI 225. VOICE CLASS III
See MUSI 125. Prerequisite: MUSI 126 or instructor’s permission. Offered in fall semester. One semester hour.

MUSI 226. VOICE CLASS IV
See MUSI 125. Prerequisite: MUSI 225 or instructor’s permission. Offered in spring semester. One semester hour.

MUSI 302. MUSIC COMPOSITION
Active and interactive study and participation in the creative process of the composition of original musical works. Putting into practice on an aesthetic and intrinsic level those skills and theoretical practices learned in music theory courses. Prerequisite: MUSI 212 and 214 (Second Year Theory) or permission of the instructor. May be taken up to four times with permission of the instructor. Two semester hours.

MUSI 303,304. CONDUCTING
Fundamental principles of theoretical and applied aspects of conducting. Applications of principles and techniques to both choral and instrumental ensembles. Applied lab experiences. Prerequisites for MUSI 304 are MUSI 303 and 311. Four semester hours.

MUSI 311. ORCHESTRATION
A study of the treatment of instruments of the band and orchestra in regard to range, tone quality and appropriate use of ensembles. Includes practice in arranging and scoring for the school band and orchestra. Prerequisites: MUSI 212, 214. Two semester hours.

MUSI 315. METHODS OF TEACHING CHORAL MUSIC.
Methods of instruction, organization, and administration of choral programs at both the elementary and secondary level. Clinical observations in school settings are required. This is a required course for voice and keyboard players seeking choral certification. Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212 and 214, EDUC 202 and 203. Offered in fall semester of even years. Three semester hours.

MUSI 317. METHODS OF TEACHING INSTRUMENTAL MUSIC
Basic principles of organization and administration of a complete school instrumental program at both the elementary and secondary level. Clinical observations in school settings are required. This is a required course for students seeking instrumental certification. Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212 and 214, EDUC 202 and 203. Offered in fall semester of odd years. Three semester hours.

MUSI 318. METHODS OF TEACHING ORCHESTRAL MUSIC
Basic principles of organization and administration of a complete school orchestral program at both the elementary and secondary levels. Clinical observations in school settings are required. The history of stringed instruments is also explored. This is a required course for string students seeking instrumental certification.
Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212 and MUSI 214 and EDUC 202 and EDUC 203. Three semester hours.

MUSI 322.INTEGRATED ARTS INSTRUCTIONAL STRATEGIES: MUSIC
Elementary education students (grades 2-6) learn to (1) develop a unit of instruction integrating instructional strategies of music and science pedagogy, (2) use music as a primary means of communication as well as (3) use music to make connections with other arts disciplines. Prerequisite: Restricted to Early Childhood, Elementary, and Special Education majors. Co-requisite: Taken concurrently with EDUC 322. One semester hour.

MUSI 333.MUSIC OF THE WORLD
A global survey of ethnic music, with special attention to Sub-Saharan Africa, the Far East, island cultures, and the American Indian. The course will utilize recorded examples, leading to discussions on the relationship between music and ritual, sexual restrictions on the use of musical instruments, supernatural powers ascribed to music, and the “contamination” of pure ethnic music by the West (reggae, etc.). Students do not need to read music to take this class, since all examples are recorded. Not offered every semester. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

MUSI 342.MUSIC OF ANTIQUITY, MIDDLE AGES, AND RENAISSANCE
A survey of western art music from 800 B.C. to 1600 A.D. Topics include music of ancient Greece and Rome; sacred music from the early Christian period through the Reformation; secular music from early monophony through the madrigal; the rise of instrumental music. Study of current bibliography. Emphasis on listening and analysis. Prerequisite: “C” or better in MUSI 201. Three semester hours.

MUSI 343.MUSIC OF THE BAROQUE AND CLASSIC
A survey of western art music from 1600 through the death of Beethoven. Discussion of principal composers, genres, and styles; detailed analysis of representative works. Study of current bibliographic materials. Prerequisite: “C” or better in MUSI 201. Three semester hours.

MUSI 344.MUSIC OF THE 19TH AND 20TH CENTURIES
A survey of western art music from the death of Beethoven through the present day. Discussion of principal composers, genres, and styles; detailed analysis of representative works. Emphasis on analysis techniques for contemporary idioms. Study of current bibliographical materials. Prerequisite: “C” or better in MUSI 201. Three semester hours.

MUSI 371.TOPICS IN MUSIC
These special courses in music are to be announced by the department and will include subjects not offered as a part of the existing music curriculum. These courses are not sequential. One to three semester hours.

MUSI 380.Opera Workshop
Preparation and presentation of operatic scenes from the standard repertoire. Some musical comedy. Day and/or evening rehearsals to be arranged. Prerequisites: Enrollment in Applied Voice and instructor’s permission. Offered when needed. May be repeated for additional credit. One semester hour.

MUSI 389.PERFORMANCE PROJECT
Performance to be scheduled during the last semester of applied study. Repertoire to include representative styles and genres of the junior and senior levels. Required of all students pursuing Music, K-12 Teacher Certification degree. Graded pass/fail. No credit.

MUSI 390.RECITAL
A full-length solo or chamber recital to be graded by a committee of the music faculty. In consultation with the applied teacher, the student will select repertory, schedule facilities, plan rehearsals, and develop publicity. May only be taken when the student is enrolled for applied music study. May be repeated for additional credit. Prerequisites: Instructor’s permission and 4 semesters study in the applied field of the recital. Offered when needed. One semester hour.

MUSI 401.FORM AND ANALYSIS
The capstone theory course, incorporating concepts of sound, harmony, rhythm, melody, and texture, to identify structural phenomena and structural function of musical units. Includes aural and visual analysis of sonata-allegro, variation, imitative forms, rondo, and composite/atypical forms. Prerequisites: “C” or better in both MUSI 212 and 214. Two semester hours.
MUSI 490. MUSIC INTERNSHIP
Designed to give the student practical work experience under the supervision of a professional. A student will work through an approved agency, in a business setting, or in an academic environment under the supervision of one of its professional employees and a designated professor. Suitable positions determine availability of internships. **One to nine semester hours.**

MUSI 499. MUSIC ISSUES
A capstone professional practices course in music. Taught as seminars and workshops. Topics include music ethics, graduate schools, job connections, portfolio preparation, resumes, interviewing, and exit assessment evaluations. Prerequisite: To be taken in second semester of junior or senior year. Offered in spring semester of every year. **One semester hour.**

APPLIED MUSIC
The following course numbers are reserved for music majors in the emphasis area. Each course meets one hour per week and carries one hour of credit. The first digit of the course number identifies the level of the course: MUSK, MUSN, MUSV 150, 151, 250, 251, 350, 351, 450, and 451.

The following course numbers represent private lessons for music majors in the non-emphasis area. Each course meets one-half hour per week and carries one hour of credit. The first digit of the course number identifies the level of the course: MUSK, MUSN, MUSV 154, 155, 254, 255, 354, 355, 454, and 455.

The following course numbers represent private lessons for music minors in the emphasis area. Each course meets one-half hour per week and carries one hour of credit. The first digit of the course number identifies the level of the course: MUSK, MUSN, MUSV 152, 153, 252, 253, 352, 353, 452, and 453.

An applied music fee is charged for each semester of private study. Students studying applied music during the summer will pay $100 plus normal tuition for ten lessons. See page 35.

Applied subjects offered:
- Bassoon
- Baritone Horn
- Clarinet
- Euphonium
- Flute
- French Horn
- Guitar, Bass Guitar
- Oboe
- Organ
- Percussion
- Piano
- Saxophone
- Strings
- Trombone
- Trumpet
- Tuba
- Voice

NURSING

NURN 203. STRATEGIES FOR WELLNESS
Survey of holistic approaches to retaining personal wellness. Emphasis on identification and modification of health risk factors and development of a plan for personal wellness. Includes activity component for implementation of personal wellness plan. Prerequisite: Registration limited to students enrolled in online degree programs or permission of instructor. (General Education – Wellness) **Three semester hours (3,0).**

NURN 290. SPECIAL PROJECTS IN NURSING
(On-line course) Provides opportunity to pursue a special area of interest in nursing on a self-directed basis under faculty supervision. Prior to registration, the learner and faculty will develop specific objectives and activities for the project. Pre- or co-requisite: NURN 307 or permission of instructor. **One to three semester hours (1-3,0).**

NURN 291. COMPLEMENTARY AND ALTERNATIVE PRACTICES IN NURSING
Identify common complementary/alternative treatments under each of the four major domains identified by the National Center for Complementary and Alternative Medicine; describe the equipment needed, the primary therapeutic use, the complications/contraindications identified and the implications for nursing practice for the most commonly used complementary/alternative health practices; discriminate between practices with respect to scientific validation of clinical effects; define terms used in complementary/alternative health. Prerequisite: Permission of instructor. **One semester hour (1,0).**

NURN 292. HOLISTIC END OF LIFE CARE ACROSS THE LIFESPAN
An introduction to the key concepts, social science theories and research relevant to death and dying issues and palliative care. Students will study the processes related to grief and mourning in the perspective of clients throughout the lifespan and across different cultures using the Neuman Systems Model to promote health. The
course will also focus on the needs of the dying patient and critical end-of-life care that nurses will be faced with in their practice. Prerequisite: Permission of instructor. Three semester hours. (3,0).

NURN 303. NURSING RESEARCH
(On-line course) Introduction to becoming a consumer of research. Emphasis on reading, analyzing, and evaluating research articles. Identifies clinical problems and evaluates whether clinical practice protocols are research based. Builds on learner’s previous experiences with problem solving and focuses on incorporating nursing research into nursing practice. Pre-or Co-requisite: NURN 307 or permission of instructor. Prerequisite: MATH 211. Three semester hours (3,0).

NURN 304. PATHOPHYSIOLOGIC BASES OF NURSING PRACTICE FOR REGISTERED NURSES
Study of the pathophysiology of selected disease processes across the human lifespan, including circulatory, metabolic, immune, and endocrine disturbances, degenerative processes, genetic disorders, the inflammatory process, and neoplasia. Builds on the learner’s knowledge of biochemistry, human anatomy and physiology, microbiology, human development, and clinical nursing practice. Examines pathophysiologic changes at the cellular, tissue, organ, system, and multi-system levels. Includes diagnostic testing and physical assessment specific to the disease processes studied. Incorporates implications for health and nursing strategies. Prerequisites: "C" or better in BIOL 203. Three semester hours (3,0).

NURN 307. PROFESSIONAL TRANSITION FOR REGISTERED NURSES
(On-line course) Provides a bridge to the baccalaureate curriculum. Integrates Neuman Systems Model concepts into nursing process to focus on the retention, attainment, and maintenance of optimal wellness for individuals, families and groups across the life span. Prerequisite: Registered Nurse licensure and admission to RN to BSN Completion Program. Four semester hours (4,0).

NURN 310. CURRENT PERSPECTIVES IN WORLD HEALTH
(On-line course) Exploration of various health topics for diverse populations, e.g., disaster, environmental issues, changing family structures, drugs and violence, communicable diseases, immunizations, malnutrition, etc. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours (3,0).

NURN 340. ENHANCED PHYSICAL ASSESSMENT FOR RN’S
(On-line course) Nursing theory and practice in the physical assessment of the well individual. Builds on the learner’s prior abilities in assessing individuals. Emphasizes the physiological variable, and incorporates the psychological, sociocultural, spiritual, and developmental variables included in the Neuman Systems Model. Provides opportunity to expand skills in obtaining a health history, and to enhance physical assessment skills utilized in a physical examination. Prerequisites or co-requisites: NURN 307 or NURS 307; BIOL 304 or permission of instructor. Three semester hours (2,1).

NURN 370. ADVANCED TOPICS IN NURSING
Provides a mechanism for in-depth study of a special area of interest in nursing. Prior to registration, the learner may select specific elective options offered by the Department of Nursing. Themes reflect diverse topics and may change each semester. This course may be repeated for additional credit as topics change. Prerequisite: “B” or better in NURN 307. One to three semester hours (1-3,0).

NURN 371. INTERNATIONAL SERVICE-LEARNING
Interprofessional perspectives and practice based on the Neuman Systems Model in the context of an intensive, directed service-learning opportunity in a medical mission setting in foreign countries. Preparatory assignments will be given in advance of the trip and participation in scholarly activities (e.g. presentations, publications) will be required after the conclusion of trip. Additional fees are charged for costs beyond tuition. Prerequisite: Permission of the instructor. Two semester hours (1,1).

NURN 372. HEALTHCARE GENOMICS
Provides a mechanism for in-depth study of the special area of genetics and the implications for health care professionals. Discussion will include applications of the evolving genetics technology and services to changing life stages. Issues of ethics relevant to various genetic disorders will also be addressed. Prerequisites: Permission of instructor. Three semester hours (3,0).

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NURN 373. SPIRITUALITY IN NURSING
Incorporating nursing theory and evidence-based practice to address the spiritual dimension of clients using the nursing process and the Neuman Systems Model. This course focuses on the client variable of spirituality as described by the Neuman Systems Model, including its assessment and the planning and implementation of spiritual care practices in nursing. Students will explore the concept of spirituality, including their own spirituality as it relates to nursing practice and the difference in religiosity and spirituality. Prerequisite: “B” or better in NURN 307 or permission of instructor. Three semester hours (3,0).

NURN 412. NURSING LEADERSHIP AND MANAGEMENT
Nursing theory and practice using the nursing process to plan and coordinate care focusing on agencies as clients. Synthesizes nursing, leadership, and management theories to effect change in the health care delivery system. Incorporates decision-making experiences in multidisciplinary groups. Prerequisites: “B” or better in NURN 307 and “C” or better in NURN 340, or permission of instructor. Four semester hours (2,2).

NURN 417. COMMUNITY NURSING
Nursing theory and practice using the nursing process and the Neuman Systems Model to promote health for individuals, families, and groups in the community and for the community as a client. Incorporate epidemiology, biostatistics, and public health concepts. Prerequisites or co-requisites: NURS 240 or NURN 340 and BIOL 304 or NURN 304. Prerequisites: “C” or better in NURN 303 and “B” or better in NURN 307, or permission of the instructor. Five semester hours (3,2).

NURN 480. NURSING HONORS SYNTHESIS
Development and completion of an Honors Synthesis Project. Scholarship within the discipline of nursing through discovery (research), practice (application), teaching, or integration. The project will be submitted for professional presentation and/or publication. Restricted to students enrolled in the RN BSN Option. Prerequisites: Second semester senior status, timely submission of Nursing Honors application, and approval of Nursing Faculty and the Director of the School of Nursing. Three semester hours (3,0).

NURN 499. PROFESSIONAL DEVELOPMENT IN NURSING
Examination of nursing’s present dynamics and future directions with emphasis on professional development, career structuring, and advanced preparation in nursing. Incorporates legal and ethical codes of professional nursing practice as well as current issues in nursing, health and the health care delivery system through the investigation and critical analysis of information from various sources. Topics may vary depending on current issues. Taken within the final year of nursing coursework. Prerequisites: “B” or better in NURN 307 and “C” or better NURN 340. Prerequisite or co-requisite: NURN 412. Two semester hours (2,0).

NURS 165. HISTORY AND TRENDS IN NURSING
This class provides an orientation to nursing and to the conceptual bases of nursing, health and nursing education. Topics include history of nursing, nursing as a scientific field of study and as a profession, nursing education, nursing roles and settings, legal and ethical influences, and professional abbreviations and terminology. The concepts of the Neuman Systems Model are introduced. Prerequisite: admission to the nursing major. Co-requisite: NURS 235. Two semester hours (2,0).

NURS 203. STRATEGIES FOR WELLNESS
Survey of holistic approaches to retaining personal wellness. Emphasis on identification and modification of health risk factors and development of a plan for personal wellness. (This course plus a one-hour PEES activity course satisfy the general education wellness component.) (General Education – Wellness) Two semester hours (2,0).

NURS 232. PHARMACOLOGY BASICS
This course introduces the basic concepts of pharmacology, including pharmacodynamics, (legal, ethical and cultural consideration) and life-span considerations. This course also provides the mathematical operations needed to calculate medication dosages. Prerequisite: admission to the nursing major. One semester hour (1).

NURS 233. PHARMACOLOGY
This course provides an overview of the categories of pharmacological agents used in primary, secondary and tertiary prevention to promote optimal wellness for clients whose resistance or natural defenses are at risk or have been compromised. Prerequisites: “C” or better in NURS 165 and NURS 235. Three semester hours (3,0)
NURS 235. LIFESPAN WELLNESS NURSING
This course focuses on nursing theory and practice to promote and retain wellness for persons across the life-span based on Neuman Systems Model concepts. It integrates human development, normal nutrition, teaching-learning concepts, health promotion, and early detection of disease. Prerequisite: admission to the nursing major. Co-requisites: NURS 165. Four semester hours (3,1)

NURS 240. PHYSICAL ASSESSMENT
This course focuses on nursing theory and practice in the physical assessment of the well individual. It emphasizes the physiological variable and incorporates the psychological, sociocultural, spiritual, and developmental variables included in the Neuman Systems Model. Interviewing skills in obtaining a health history and physical assessment skills utilized in a physical examination are addressed. Prerequisites: “C” or better in NURS 165 and NURS 235. Three semester hours (2,1).

NURS 242. STRATEGIES AND TECHNIQUES FOR NURSING CARE
This course focuses on nursing theory and practice to develop basic nursing strategies in assessment of health problems, diagnosis, nutrition, medication administration, and basic nursing interventions. Emphasis is on nursing care skills essential to comfort and meeting treatment needs, with opportunity for clinical practice. Prerequisites: “C” or better in NURS 165 and NURS 235. Five semester hours (3,2).

NURS 290. SPECIAL PROJECTS IN NURSING
Provides opportunity to pursue a special area of interest in nursing on a self-directed basis under faculty supervision. Prior to registration the learner and faculty will develop specific objectives and activities for the project. Topics may change each semester. Prerequisite: second semester sophomore nursing status. One to three semester hours (1-3,0).

NURS 291. COMPLEMENTARY AND ALTERNATIVE PRACTICES IN NURSING
Identify common complementary/alternative treatments under each of the four major domains identified by the National Center for Complementary and Alternative Medicine; describe the equipment needed, the primary therapeutic use, the complications/contraindications identified and the implications for nursing practice for the most commonly used complementary/alternative health practices; discriminate between practices with respect to scientific validation of clinical effects; define terms used in complementary/alternative health. Prerequisite: Admission to the Nursing major and permission of the instructor. One semester hour (1,0).

NURS 292. HOLISTIC END OF LIFE CARE ACROSS THE LIFESPAN
An introduction to the key concepts, social science theories and research relevant to death and dying issues and palliative care. Students will study the processes related to grief and mourning in the perspective of clients throughout the lifespan and across different cultures using the Neuman Systems Model to promote health. The course will also focus on the needs of the dying patient and critical end-of-life care that nurses will be faced with in their practice. Prerequisites: “C” or better in NURS 235. Three semester hours (3,0).

NURS 293. NURSING LEADERSHIP
Special projects involve discussion and advanced study on selected topics not covered in general courses. This will be a hybrid online course providing students an opportunity to earn academic credit for active pre-professional involvement in the local, state, and/or national levels of the National Student Nurses’ Association. Students will develop individual learning contracts based on their specific roles and functions in the organization, which will enhance their critical thinking, communication, and leadership skills. Prerequisite: “C” or better in NURS 235. One semester hour (1,0).

NURS 303. NURSING RESEARCH
Students are introduced to becoming a consumer of research. Emphasis is placed on reading, analyzing, and evaluating research articles. Clinical problems are identified and evaluated as to whether clinical practice protocols are research based. This course builds on learner’s previous experiences with problem solving and focuses on incorporating nursing research into nursing practice. Prerequisites: “C” or better in NURS 232, NURS 233, NURS 240, NURS 242, and MATH 211, or permission of instructor. Three semester hours (3,0).

NURS 304. PATHOPHYSIOLOGIC BASES OF NURSING PRACTICE
Study of the pathophysiology of selected disease processes across the human lifespan, including circulatory, metabolic, immune, and endocrine disturbances, degenerative processes, genetic disorders, the inflammatory process, and neoplasia. Builds on the learner’s knowledge of biochemistry, human anatomy and physiology, microbiology, human development, and clinical nursing practice. Examines pathophysiologic changes at the
cellular, tissue, organ, system, and multi-system levels. Includes diagnostic testing and physical assessment specific to the disease process studied. Incorporates implications for health and nursing strategies. Prerequisite: Admission to the Nursing Major or permission of instructor. Three semester hours (3,0).

NURS 307. PROFESSIONAL TRANSITION FOR REGISTERED NURSES
Provides a bridge to the baccalaureate curriculum. Integrates Neuman Systems Model concepts into nursing process to focus on the retention, attainment, and maintenance of optimal wellness for individuals, families and groups across the life span. Incorporates content from NURS 165 and NURS 460. Prerequisites: Registered Nurse licensure and admission to RN to BSN major Completion Program. Four semester hours (4,0).

NURS 310. CURRENT PERSPECTIVES IN WORLD HEALTH
Exploration of various health topics for diverse populations, e.g., disaster, environmental issues, changing family structures, drugs and violence, communicable diseases, immunizations, malnutrition, etc. Prerequisite: Junior status or permission of instructor. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours (3,0).

NURS 345. MEDICAL-SURGICAL NURSING I
This course focuses on nursing theory and practice using the nursing process and the Neuman Systems Model to promote health attainment and maintenance following penetration of lines of resistance. Focus is placed on adult and older clients who are experiencing medical and surgical stressors. Topics include adult development and illness, perioperative nursing, and care of adults experiencing problems of selected body systems. Prerequisites: “C” or better in BIOL 304 or NURS 304 and NURS 232, NURS 233, NURS 240, NURS 242, and BIOL 204. Five semester hours (3,2).

NURS 346. MEDICAL-SURGICAL NURSING II
Nursing theory and practice using the nursing process and the Neuman Systems Model to promote health attainment and maintenance following penetration of lines of resistance. Focuses on adult and older clients who are experiencing medical and surgical stressors. Topics include adult development and illness, perioperative nursing, and care of adults experiencing problems of selected body systems. Prerequisites: “C” or better in NURS 345, NURS 393, and NURS 303. Five semester hours (3,2).

NURS 370. ADVANCED TOPICS IN NURSING
Provides a mechanism for in-depth study of a special area of interest in nursing. Prior to registration, the learner may select specific elective options offered by the Department of Nursing. Themes reflect diverse topics and may change each semester. One to three semester hours (1-3,0).

NURS 371. INTERNATIONAL SERVICE-LEARNING
Interprofessional perspectives and practice based on the Neuman Systems Model in the context of an intensive, directed service-learning opportunity in a medical mission setting in foreign countries. Preparatory assignments will be given in advance of the trip and participation in scholarly activities (e.g. presentations, publications) will be required after the conclusion of trip. Additional fees are charged for costs beyond tuition. Prerequisite: Permission of the instructor. Two semester hours (1,1).

NURS 372. HEALTHCARE GENOMICS
Provides a mechanism for in-depth study of the special area of genetics and the implications for health care professionals. Discussion will include applications of the evolving genetics technology and services to changing life stages. Issues of ethics relevant to various genetic disorders will also be addressed. Prerequisites: Grade of “C” or better in NURS 345 or permission of instructor. Three semester hours (3,0).

NURS 373. SPIRITUALITY IN NURSING
Incorporating nursing theory and evidence-based practice to address the spiritual dimension of clients using the nursing process and the Neuman Systems Model. This course focuses on the client variable of spirituality as described by the Neuman Systems Model, including its assessment and the planning and implementation of spiritual care practices in nursing. Students will explore the concept of spirituality, including their own spirituality as it relates to nursing practice and the difference in religiosity and spirituality. Prerequisite: Grade of “C” or better in NURS 345 or permission of instructor. Three semester hours (3,0).

NURS 392. CHILDBEARING FAMILY AND WOMEN’S HEALTH
Nursing theory and practice using the nursing process and the Neuman Systems Model to provide primary, secondary, and tertiary prevention/intervention to females throughout the life span, with emphasis on the
childbearing family system. Incorporates the holistic approach of physiological, psychological, developmental, spiritual, and sociocultural variables. Prerequisites: “C” or better in NURS 345, NURS 393, and NURS 303. Four semester hours (3.1).

**NURS 393. MENTAL HEALTH NURSING**
This course focuses on nursing theory and practice using physiological, psychological, sociocultural, spiritual, and developmental theories to formulate interventions to attain and maintain optimal mental wellness across the life span. Nursing strategies are designed to strengthen client defensive and resistive abilities using the nursing process. Secondary and tertiary care is provided to clients with disorders of affect, cognition, personality, and anxiety in various settings. Prerequisites: “C” or better in NURS 232, NURS 233, NURS 240, NURS 242, BIOL 204, and BIOL 304 or NURS 304. Four semester hours (3.1).

**NURS 408. CRITICAL CARE NURSING**
Nursing theory and practice based on the nursing process and Neuman Systems Model with emphasis on secondary and tertiary prevention/intervention. Focuses on acute and chronic multi-system stressors and critical care interventions for clients across the life span. Prerequisites: “C” or better in NURS 346 and NURS 392. Four semester hours (2.2).

**NURS 409. PEDIATRIC NURSING**
Nursing theory and practice using the nursing process and the Neuman Systems Model in care of clients from infancy through adolescence. Focuses on family-centered, developmentally supportive care for clients in various settings incorporating primary, secondary, and/or tertiary nursing prevention/intervention. Prerequisites: “C” or better in NURS 346 and NURS 392. Four semester hours (3.1).

**NURS 412. NURSING LEADERSHIP AND MANAGEMENT**
Nursing theory and practice using the nursing process to plan and coordinate care focusing on agencies as clients. Synthesizes nursing, leadership, and management theories to effect change in the health care delivery system. Incorporates decision-making experiences in multidisciplinary groups. Taken in final semester of student’s program. Prerequisites: “C” or better in NURS 408 and NURS 409. Four semester hours (2.2).

**NURS 417. COMMUNITY NURSING**
Nursing theory and practice using the nursing process and the Neuman Systems Model to promote health for individuals, families, and groups in the community and for the community as a client. Incorporates epidemiology, biostatistics, and public health concepts. Prerequisites: “C” or better in NURS 408, and NURS 409. Five semester hours. (3.2).

**NURS 460. CLINICAL PROBLEM SOLVING**
Enhancement of critical thinking skills to solve clinical problems in simulated client case situations. Synthesizes application of nursing process, interdisciplinary collaboration, and the Neuman Systems Model for clients with complex, multidimensional stressors. Taken in final semester of student’s program. Prerequisites: “C” or better in NURS 408, NURS 409, and NURS 499. Graded as Pass/Fail. Two semester hours (2.0).

**NURS 480. NURSING HONORS SYNTHESIS**
Development and completion of an Honors Synthesis Project. Scholarship within the discipline of nursing through discovery (research), practice (application), teaching, or integration. The project will be submitted for professional presentation and/or publication. Prerequisites: Second semester senior status, timely submission of Nursing Honors application, and approval of Nursing Faculty and the Director of the School of Nursing. Three semester hours (3.0).

**NURS 499. PROFESSIONAL DEVELOPMENT IN NURSING**
Examination of nursing’s present dynamics and future directions with emphasis on professional development, career structuring, and advanced preparation in nursing. Incorporates legal and ethical codes of professional nursing practice as well as current issues in nursing, health and the health care delivery system through the investigation and critical analysis of information from various sources. Topics may vary depending on current issues. Prerequisites: Grade of “C” or better in NURS 346 and NURS 392. Taken in final year of nursing coursework. Two semester hours (2.0).
PHILOSOPHY

PHIL 102. INTRODUCTION TO PHILOSOPHICAL INQUIRY
Introduction to major problems in philosophy through texts ranging from classical to contemporary. By thinking through questions such as, “What can I know?”, “Do I have free will?” and “What is the meaning of life?” students gain basic familiarity with philosophy’s methods of inquiry, analysis, and criticism. (General Education – Humanities or Literature) Three semester hours.

PHIL 103. INTRODUCTION TO LOGIC
A course focusing on logic, reasoning, and argumentation. Emphasis is given to the identification, analysis, and evaluation of arguments. Formal and informal methods of deduction and induction are learned, as well as fallacies of reasoning to be avoided in constructing logically sound arguments. (General Education – Logic & Analytical Thought) Three semester hours.

PHIL 302. ETHICS
Philosophical study of morality, including analysis of basic concepts related to ethical conduct and character. Students learn theories such as virtue ethics, natural law, deontology, and utilitarianism, applying these theories to ethical problems. (General Education – Humanities or Literature) Three semester hours.

PHIL 305. PHILOSOPHY OF RELIGION
Philosophical examination of various aspects of religion, including topics such as the nature of religion, the existence of God, the rationality of religious belief, the problem of evil, and the varieties of religious experience. Western and Nonwestern perspectives will be considered. (General Education - Global Issues/Nonwestern Studies or General Education – Humanities or Literature) Three semester hours.

PHIL 309. PHILOSOPHY OF MIND
Philosophical examination of the nature of mentality, including topics such as the relationship between mind and body, the nature of consciousness, personal identity, free will, animal minds, and artificial intelligence. (General Education – Humanities or Literature) Three semester hours.

PHIL 312. ASIAN PHILOSOPHY
Philosophical writings drawn from Asian philosophical traditions, including Indian, Chinese, Japanese, and other Asian traditions. Texts may range from classical to contemporary, representing Hindu, Buddhist, Daoist, Confucian, and other philosophies. (General Education - Global Issues/Nonwestern Studies or General Education – Humanities or Literature) Three semester hours.

PHIL 315. EXISTENTIALISM
Philosophies of the Existentialist movement, studied through the works of thinkers such as Kierkegaard, Heidegger, Nietzsche, Sartre, de Beauvoir, and Camus. Attention may be given to Existentialist themes in other forms of media, such as literature, drama, and film. (General Education – Humanities or Literature) Three semester hours.

PHIL 341. TOPICS IN PHILOSOPHY
In-depth study of a selected philosopher, philosophical movement, or subfield in philosophy. Topics may vary and may be repeated under different descriptions. Current topics and course descriptions available on the departmental webpage. (General Education – Humanities or Literature) Three semester hours.

PHYSICAL EDUCATION & EXERCISE STUDIES
The following courses are required of all physical education majors and exercise studies majors:
1 (100-level) PEES 144
2 (100-level) Sport/Fitness

One of the above 100-level courses can be satisfied in PEES 176.

I. FOUNDATIONS

II. AQUATICS.

PEES 111. BEGINNING SWIMMING
Designed to teach the elements of good swimming, including sound stroke mechanics for the front crawl, back crawl, and elementary backstroke. Basic water safety skills and knowledge to make a person reasonably safe
while in, on, or around the water are also taught. Performance tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**PEES 112. INTERMEDIATE/ADVANCED SWIMMING**

Designed to increase swimming efficiency by improving swimming ability for the front crawl, back crawl, and elementary backstroke as well as focusing on sound stroke mechanics for the side stroke and breast stroke. Swimming as a fitness activity will be covered. Students should be able to demonstrate basic swimming ability prior to enrollment. Performance tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**III. INDIVIDUAL SPORTS.**

**PEES 121. BEGINNING TENNIS**

Basic skills, strategy, etiquette, scoring, and rules to tennis will be taught. Skill tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**PEES 123. BADMINTON**

Basic skills, strategy, etiquette, scoring, and rules of badminton will be taught. Class tournaments will be conducted. Skill tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**PEES 126. GOLF**

A course designed to provide a level of golf instruction which meets the individual student’s needs. Instruction, participation at a driving range and golf course (student’s expense), and skill and written tests will be employed. *One semester hour.*

**PEES 130. RACQUETBALL**

The course will focus on rules, regulations, basic shots, game strategy, and skill development in the sport of racquetball. Class participation is required. Skill tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**IV. TEAM SPORTS.**

**PEES 134. SOCCER**

Skills, strategy and rules are taught for this fast growing sport. Five-man soccer as well as eleven-man soccer is explained and played. Skill tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**PEES 137. VOLLEYBALL**

Skills, strategy and rules are emphasized in this course. Skill tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**PEES 139. BASKETBALL**

Skills, strategy and rules are emphasized in this course. Skill tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**PEES 145. ULTIMATE FRISBEE**

This course covers the various skills needed to safely and independently play the game of Ultimate Frisbee. Positions, throws, catches and offensive and defensive strategies are learned and built upon until the student is competent to play in a game situation. The “spirit of the game”, unique to ultimate frisbee, is stressed as well as the concept of Ultimate Frisbee as a lifetime healthy activity to be enjoyed by all. Skill tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**V. PHYSICAL FITNESS.**

**PEES 143. WALK/JOG AEROBICS**

Introduction to contemporary concepts of cardiovascular conditioning. Emphasis will be placed on the value of walking and jogging as aerobic conditioning exercises. Personalized walk/jog programs will be developed. Performance tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*

**PEES 144. BEGINNING WEIGHT TRAINING**

The various aspects of weight training are introduced and individualized programs are implemented based on physiological principles. Performance tests and knowledge tests are used to evaluate the student’s progress. *One semester hour.*
PEES 146. DANCE AEROBICS
The use of dance as a method of cardio-respiratory conditioning. Emphasis on improving flexibility, balance, strength and control. Performance tests and knowledge tests are used to evaluate the student’s progress. One semester hour.

VI. CORE COURSES

PEES 175. WELLNESS FOR LIFE
The course is designed to provide the student with a comprehensive introduction to the dynamics of lifetime wellness. The concepts of developing and maintaining a lifestyle of wellness will be presented and will include study units in nutrition, diet and weight control, stress management, sexually transmitted diseases, physical fitness, the cardiovascular system, disease risk factors, cancer, and personal wellness assessment/responsibility. (General Education – Wellness – PEES 175 plus PEES 176) Two semester hours.

PEES 176. WELLNESS FOR LIFE ACTIVITY.
This course is designed to provide the student an opportunity to engage in active participation of healthy, and lifetime activities. This course may be taken for one additional credit with a change in activity. (General Education – Wellness – PEES 176 plus NURS 203 or PEES 176 plus PEES 175) One semester hour.

PEES 199. ADULT CPR AND FIRST AID
This course provides the student with the knowledge and skills to administer adult CPR and first aid. Emphasis is placed on the American Red Cross Emergency Action Principles throughout the course. Successful completion will result in American Red Cross Adult CPR and First Aid Certification. Restricted to Physical Education and Exercise Science majors, or by permission of the instructor. Two semester hours.

PEES 201. HEALTH AND PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER
This course serves as an introductory course in the foundations and concepts of teaching elementary health and physical education. The focus is on the methods, skills and knowledge necessary to sequence and provide progressions for appropriate activities based on state and national standards for health and physical education. Peer teaching and semester projects are required components of the course. Three semester hours.

PEES 202. PERSONAL HEALTH AND HEALTH PROMOTION
Based on the concept of accepting self-responsibility, this course gives students practical information regarding the development of strategies to make informed health decisions that will positively affect their well-being throughout their lives. Three semester hours.

PEES 204. TEACHING TEAM SPORTS
Students learn to determine appropriate development of content according to game stages in a variety of team sports for different age levels and abilities, to identify tactical content in team sports and implement game strategies. Students will develop a minimal level of competency in a variety of team sports. Two hours lecture, one hour laboratory weekly. Prerequisites: PEES 175 and PEES 226. Co-requisite: PEES 222. Two semester hours.

PEES 206. TEACHING INDIVIDUAL AND DUAL SPORTS
Students learn to determine appropriate development of content according to game stages in a variety of individual and dual sports for different age levels and abilities, to identify tactical content in individual and dual sports and implement game strategies. Students will develop a minimal level of competency in a variety of individual and dual sports. Two hours lecture, one hour laboratory weekly. Prerequisite: PEES 204. Co-requisite: PEES 318. Two semester hours.

PEES 210. ANATOMY AND PHYSIOLOGY OF HUMAN MOVEMENT
A critical study of the structures and function of the organ systems specifically related to the advanced study of kinesiology and exercise physiology. Special emphasis will be placed on the skeletal, muscular, circulatory, and respiratory systems. Three hours lecture, three hours laboratory weekly. Four semester hours.

PEES 219. HISTORICAL AND PHILOSOPHICAL PRINCIPLES OF PHYSICAL EDUCATION AND EXERCISE STUDIES
An introductory course for Physical Education and Exercise Science majors. The evolution of the philosophies and programs of each are investigated, and students assess the career opportunities within the areas of physical education, athletic training, sport, and fitness. Three semester hours.
PEES 222. EDUCATIONAL GAMES
Students learn to determine appropriate development of content according to stages in educational games for different age levels and abilities, to identify the technical and tactical content in educational games, to increase their ability to observe and analyze both skilled and unskilled movement in educational games, and to develop content appropriately in a teaching situation as evidenced through written lesson plans pertaining to educational games. Two hours lecture, one hour laboratory weekly. Prerequisite: PEES 226. Two semester hours

PEES 223. EDUCATIONAL GYMNASTICS
Students learn to develop individual skills using themes (BSER model - body, space, effort, relationship) of educational gymnastics to implement floor exercise routines and acquire a working knowledge of educational gymnastics as they develop gymnastic unit plans and lesson plans for the K-12 curriculum. Two hours lecture, one hour laboratory weekly. Co-requisite: PEES 226. Two semester hours.

PEES 224. EDUCATIONAL DANCE
Students learn to develop skillful movement patterns consistent with a designed theme and become competent in a variety of dances (i.e., creative, folk, line, and ballroom) which meet the goals and objectives of the South Carolina Frameworks for Dance Education. Laban’s movement concepts will be integrated throughout and units of instruction will be developed for the K-12 Two hours lecture, one hour laboratory weekly. Prerequisite: PEES 226 or approval of instructor. Two semester hours.

PEES 226. MOTOR DEVELOPMENT
This course enhances the pre-service teacher’s knowledge of the growth and motor behavior of children from conception through adolescence. It is a study of childhood growth and maturation as they relate to motor learning and motor skill acquisition. Two hours lecture, two hours laboratory weekly. Co-requisite: PEES 223. Three semester hours.

PEES 228. MOTOR LEARNING
Principles of the cognitive, sensory, and motor processes, which underlie the learning of motor skills commonly included in the physical education curricula, are addressed and applied to the instruction of motor skills. Prerequisite: PEES 226 or approval by instructor. Three semester hours.

PEES 283. INTRODUCTION TO EXERCISE SCIENCE
This course focuses on the professional aspects of Exercise Science as a field of study. Exploration into the potential careers available to Exercise Science majors will be thoroughly covered. In addition, the role of professional organizations and the various certifications offered by these organizations for Exercise Science professionals will be examined. An “observational” component in which students are exposed to various subdisciplines of Exercise Science and given the opportunity to reflect on these experiences as they may pertain to a future career path will be included. One hour lecture, one hour laboratory weekly. One semester hour.

PEES 290. PRACTICUM IN PHYSICAL EDUCATION
Intended to give students practical experience in teaching physical education. Students will be required to be available two (2) hours a week to work under direct faculty supervision. Students will assist in teaching 100-level physical education classes only. May be taken for additional credit up to a maximum of three hours. Restricted to Physical Education-Teacher Education and Exercise Science majors. One semester hour credit per semester.

PEES 300. THEORIES OF COACHING
Theories and techniques of coaching are investigated. Includes organization of practice sessions, preparing for and conducting games and meets, and guidelines for purchasing and caring for facilities and equipment. Three semester hours.

PEES 305. MEASUREMENT AND EVALUATION
This course provides an introduction to the concepts and statistics related to assessing student performance and evaluating knowledge acquisition. It is designed to present current theory and practice in testing/assessment procedures and to provide the teacher candidate with the necessary skills to integrate a variety of assessment strategies for student performance and program accountability in grades K-12. Teacher candidates will gain a working knowledge with the South Carolina Physical Education Assessment Program (SCPEAP). Prerequisite: "C" or better in PEES 318. Three semester hours.
PEES 308. ORGANIZATION AND ADMINISTRATION OF EXERCISE-RELATED PROFESSIONS
This course focuses on a study of organizational and administrative theory, concept, principles, and practices. Specific topics include development of an organizational plan, decision-making, effective communication, personnel administration, and facility and budgetary development/management. Emphasis is placed upon the role and application of effective organizational and administrative procedures in physical education, exercise science. Prerequisite: “C” or better in PEES 219. Three semester hours.

PEES 310. KINESIOLOGY AND EXERCISE BIOMECHANICS
A study of the mechanical principles of human movement. Emphasis is placed on the role of the muscular and skeletal systems in human movement, and the mechanical analysis of motor skills. Prerequisites: “C” or better in PEES 210 or BIOL 202 and meet the academic requirements for Formal Admission into Level II of the Exercise Science Program. Three semester hours.

PEES 311. PHYSIOLOGY OF EXERCISE
The physiological and biochemical alterations occurring in the human body as a result of physical stress are studied. Emphasis is placed on the understanding of the functional changes that result from acute and chronic exercise. Laboratory sessions are an integral and important aspect of this course. Three hours lecture and three hours laboratory per week. Prerequisites: “C” or better in PEES 210 or BIOL 202 and meet the academic requirements for Formal Admission into Level II of the Exercise Science Program. Four semester hours.

PEES 318. INSTRUCTIONAL ASPECTS OF PHYSICAL EDUCATION
Students explore and learn to apply instructional methods in physical education settings, including environmental arrangements, task presentations, content development, and feedback. Students apply instructional principles to small peer group settings using open and closed motor skills. Requirements for each teaching episode include the development of a written lesson plan and submission of a written self-reflection on teaching. Students use technological skills to critique and evaluate their instructional methods. Prerequisite: PEES 226. Three semester hours.

PEES 320. TEACHING METHODS FOR ELEMENTARY PHYSICAL EDUCATION
Basic skills, games and rhythmic activities of children in grades pre K through 5 will be explored. Emphasis will be placed on how children move and on learning appropriate teaching techniques and physical education content for this age group. Prerequisites: “C” or better in PEES 226 and acceptance into the Teacher Education Program. Three semester hours.

PEES 325. HUMAN SEXUALITY
This course offers an integrated view of the physiological, psychological, social and cultural factors that affect human sexuality. The student explores the impact of the lifestyles and values of different cultures on human sexuality. Junior/Senior status required. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

PEES 326. NUTRITION FOR HEALTH AND PERFORMANCE
A review of normal nutritional needs followed by a thorough study of the effects of food on sport performance. Biochemical actions of foods will be investigated in relation to performance. Consideration will be given to diet analysis, special diets, and the use of ergogenic aids. Prerequisite or co-requisite: PEES 311. Three semester hours.

PEES 329. FIELD EXPERIENCE II
The majority of the course is conducted in an elementary physical education setting and provides opportunities to observe in both the classroom and gymnasium. In a 50-hour clinical, students plan for, teach and evaluate physical education lessons on a regular basis. Students use technological skills to critique and evaluate their instructional methods. Prerequisites: “C” or better in PEES 318 and acceptance into the Teacher Education Program. Co-requisite: PEES 320. One semester hour.

PEES 330. PHYSIOLOGICAL ADAPTATIONS TO AGING
This course explores the process of aging on body systems with ramifications related to activity and fitness level. Interrelationships between exercise, nutrition and health are explored from birth to death. Prerequisites: A grade of “C” or better in PEES 311. Three semester hours.
PEES 341. RESEARCH TECHNIQUES
An introduction to the process of research and its usefulness in the fields of exercise science, athletic training, physical education, and sport. This course covers reading, analyzing, and evaluating research articles. Scientific writing, formulating research hypotheses, measuring variables, appropriate research design, and using statistical results to draw conclusions will be included. Prerequisites: “C” or better in MATH 211 and PEES 311. Three semester hours.

PEES 361. LEGAL ASPECTS OF EXERCISE-RELATED PROFESSIONS
A study of the legal ramifications of exercise, physical education, and sport activities in contemporary society. Emphasis will be placed on legal issues and problems related to amateur sports. Three semester hours.

PEES 362. EXERCISE TESTING AND PRESCRIPTION FOR HEALTHY POPULATIONS
This course provides the student with the opportunity to acquire knowledge and skills for assessing fitness, interpreting, and designing health and activity programs for healthy populations, with an emphasis on developing competency in following ACSM guidelines for exercise testing and prescription. In addition, students will acquire leadership skills through the presentation of exercise testing procedures and the development of exercise prescriptions. This class includes both lecture and hands-on practical laboratory sessions. Prerequisite: “C” or better in PEES 311. Three semester hours.

PEES 370. SPECIAL TOPICS IN PHYSICAL EDUCATION AND EXERCISE STUDIES
Selected contemporary topics that generally do not receive thorough coverage in the undergraduate curriculum will be covered in this course. Topics will be selected by the PEES faculty with input from the students and/or discipline-related agencies. One to three semester hours.

PEES 402. PRINCIPLES OF STRENGTH AND CONDITIONING
Knowledge and application of processes and principles of health related physical fitness in physical education and sport settings. This course is designed to investigate current techniques and theories of strength training and conditioning for various sports and activities from physiological and biomechanical perspectives. Prerequisites: PEES 144 and PEES 311 or approval by instructor. Three semester hours.

PEES 406. CLINICAL EXERCISE PHYSIOLOGY
This course provides the student with the opportunity to acquire knowledge in chronic disease pathophysiology, the benefits of exercise for these diseases, and the skills needed to safely assess fitness and design physical activity programs for clinical populations. Chronic diseases to be addressed include endocrine and metabolic disorders, cardiovascular disorders, respiratory disorders, osteoporosis, arthritis, cancer, and stroke. Prerequisite: “C” or better in PEES 311. Three semester hours.

PEES 407. INDEPENDENT RESEARCH I
An independent research project which requires the preparation of a proposal for a research project and a thorough review of literature on the topic. The topic must be from at least one of the several PEES disciplines. Prerequisites: Physical Education-Teacher Education or Exercise Science majors. Sophomore standing or above. Permission of the instructor. One semester hour.

PEES 420. PHYSICAL EDUCATION FOR SPECIAL POPULATIONS
A study of physical education and rehabilitation programming for special populations. Emphasis placed on curriculum/program development and implementation in physical education for individuals with special needs, specifically gross and fine motor coordination skills and fitness activities. Two hours lecture, two hours laboratory weekly. Prerequisites: PEES 226 and 318; admission to Teacher Education Program; or permission of instructor. Three semester hours.

PEES 422. SECONDARY METHODS OF INSTRUCTION
Students further develop instructional skills in the planning and teaching of psychomotor, cognitive and affective learning in large group settings, with emphasis on intermediate and advanced learners in team and individual sports, dance and fitness activities. Prerequisites: “C” or better in PEES 320 and 329; admission to Teacher Education Program. Three semester hours.

PEES 424. SPORTS PSYCHOLOGY
The psychological variables affecting motor learning and performance are investigated. Emphasis on the relation of personality factors to motor learning and performance, and also the relation of psychological factors to
involvement in sports as an athlete, spectator, or coach. Prerequisite: Junior or senior standing. **Three semester hours.**

**PEES 429.FIELD EXPERIENCES III**
This clinical experience is designed to further immerse teacher candidates into the secondary physical education setting. Teacher candidates plan for, teach and evaluate physical education lessons using a variety of strategies for meeting the needs to diverse learners. Students use technological skills to critique and evaluate their instructional methods. Prerequisites: “C” or better in PEES 320 and PEES 329. Formal admission to Teacher Education Program. Co-requisite: PEES 422. **One semester hour.**

**PEES 451.PROGRAMMATIC CONCERNS IN TEACHING PHYSICAL EDUCATION**
This course provides the student with the knowledge, skills and resources to develop a philosophical position and curricular materials consistent with that position and with the state and national guidelines. Units of instruction (elementary and secondary) are developed showing evidence of the integration of both state and national standards. The pre-service teacher is apprised of current South Carolina requirements of physical education relative to assessment and evaluation protocols. Students also gain an understanding and working knowledge of ADEPT (Assisting, developing, and evaluating professional teaching) procedures, the evaluation process used during the student teaching experience. Students are encouraged to implement their secondary unit of instruction in PEES 422. Co-requisite: PEES 422. Prerequisites: “C” or better in PEES 320 and 324 and admission to Teacher Education Program. **Three semester hours.**

**PEES 461.CLINICAL PRACTICE**
Observation, participation and supervised teaching in the public schools. Prerequisite: Formal admission to Teacher Education Program. **Eleven semester hours.**

**PEES 490.INTERNSHIP I**
The first of two internships designed to give the PEES major practical work experience. Students must apply one semester prior to the semester in which they wish to have the work experience. May be taken for additional credit up to a maximum of twelve semester hours. Prerequisite: “C” or better in PEES 311 and permission of the department chair. Prerequisite or co-requisite: PEES 362 or instructor’s permission. Student must also have current CPR certification throughout the duration of each internship experience. **Three semester hours per semester.**

**PEES 491.INTERNSHIP II**
The second of two required internships designed to give the PEES major practical work experience. Students must apply one semester prior to the semester in which they wish to have the work experience. May be taken for additional credit up to a maximum of twelve semester hours. Prerequisite: “C” or better in PEES 490 and permission of the department chair. Student must also have current CPR certification throughout the duration of each internship experience. **Three semester hours per semester.**

**PEES 499.PROFESSIONAL CONCERNS SEMINAR**
Professional concerns, ranging from current issues in the field to applying to graduate school, are discussed in a seminar format. Completion of assessment requirements is an important component of this course, including achievement of a passing score on the Professional Knowledge Inventory in the student's declared major. Failure to successfully complete all assessment requirements will result in a failing grade for the course. Graded pass/fail. Prerequisite: Senior standing. Physical Education-Teacher Education majors in the semester prior to student teaching or Exercise Science majors in their final semester of classes. **One semester hour.**

**PHYSICAL SCIENCE**

**PSCI 111.GENERAL PHYSICAL SCIENCE**
An introduction to the fundamental concepts of physics and their application to everyday lives. Topics include mechanics, properties of matter, heat, sound, electricity and magnetism, light, and atomic and nuclear physics. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) **Four semester hours.**

**PSCI 112.EARTH AND SPACE SCIENCE**
An introduction to the fundamental concepts of astronomy, geology and meteorology and how they shape human understanding of the universe. Topics include the origin and characteristics of the solar system, stars, galaxies,
cosmology, rocks and minerals, plate tectonics, and weather phenomena. Three hours lecture, three hours laboratory weekly. (General Education – Laboratory Science) **Four semester hours.**

**PSCI 451. SCIENCE PEDAGOGY**
An exploration of problem based teaching methods such as laboratory techniques, demonstrations, and teaching resources. Special emphasis is placed on instructional implementations of the NSTA Standards (Content knowledge, content pedagogy, learning environments, safety, impact on student learning, professional knowledge and skills). Prerequisite: formal admission to Teacher Education Program. Note: must concurrently enroll in the associated integrated arts course and field experience. **Three semester hours.**

**PSCI 499. SENIOR SEMINAR**
This course provides instruction and practice in topics related to professional careers or advanced study in the physical sciences. Provides instruction in the preparation and presentation of a professional seminar and accompanying research paper, principles of professional conduct, beginning a career in the sciences, resumes and applications, interviews, and advanced educational opportunities. Students will participate in evaluations for program assessment purposes. Course is open to juniors majoring in chemical engineering and seniors majoring in chemistry or environmental science. **Three semester hours.**

**PHYSICS**

**PHYS 201-202. INTRODUCTORY PHYSICS**
Non-calculus coverage of the fundamental principles of physics and their applications. Topics include mechanics, heat, sound, electricity and magnetism, and atomic and nuclear physics. Three hours lecture, three hours laboratory weekly. Prerequisite: MATH 121, MATH 123, or MATH 141. “C” or better in PHYS 201 is a prerequisite for PHYS 202. (General Education – Laboratory Science) **Four semester hours per course.**

**PHYS 203. ELECTRONICS**
A study of impedance, admittance, resonance, circuit elements, integrated circuits, and mathematical models. Students build and analyze circuits involving these components in various applications, including amplifiers, oscillators, power supplies, counting and timing circuits, and digital circuits. Three hours lecture, three hours laboratory weekly. Prerequisite: MATH 114, MATH 121, MATH 141 or equivalent. (General Education – Laboratory Science) **Four semester hours.**

**PHYS 211-212. GENERAL PHYSICS**
An introductory calculus-based coverage of the fundamental principles of physics and their applications. Topics include mechanics, heat, sound, electricity and magnetism, and atomic and nuclear physics. Three hours lecture, three hours laboratory weekly. Prerequisite: MATH 142. “C” or better in PHYS 211 is a prerequisite for PHYS 212. (General Education – Laboratory Science) **Four semester hours per course.**

**PHYS 305. SPECIAL STUDIES**
Studies in physics on special topics for juniors and seniors. Prerequisite: Permission of instructor. **One to four semester hours.**

**PHYS 314. FLUIDS AND HEAT TRANSFER**
General principles of chemical engineering and the study of fluid flow, fluid transportation, and heat transmission. Special emphasis is placed on theory and its practical application to design. Three hours lecture, two hour laboratory weekly. Prerequisite: CHEM 351. **Four semester hours.**

**POLITICAL SCIENCE**

**POLS 101. AMERICAN NATIONAL GOVERNMENT**
An introductory study of major topics in American politics including political parties, elections, and public opinion. (General Education – Political Economy) **Three semester hours.**

**POLS 103. INTRODUCTION TO WORLD POLITICS**
Introduction to selected major global problems including but not limited to globalization, clash of civilizations, terrorism, weapons of mass destruction, nationalism, the North-South gap, environmental and human rights issues. Special attention to the hegemonic role of the United States in world affairs and to the international politics of the Middle East. This course enables students to make sense of current events and also prepares students for upper-level courses in comparative politics and international relations. (General Education – Political Economy) **Three semester hours.**

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POLS 200. INTRODUCTION TO POLITICAL SCIENCE
Introduction to the study of political science, including an examination of key concepts in the discipline, methods and approaches to research in the various subfields, and skills and techniques of importance to the political science student. Three semester hours.

POLS 217. INTRODUCTION TO PUBLIC ADMINISTRATION
This course is an introduction to government bureaucracy and an overview of the study of public administration. Case studies will examine the relationship between politics and administration and comparisons between public and private (business) administration. Special focus is on bureaucratic structures, public personnel management, communications, leadership, budgeting, and policy. Prerequisite: "C" or better in POLS 101. Three semester hours.

POLS 250. INTRODUCTION TO HOMELAND SECURITY
This course is an introduction to the public- and private-sector dimensions of homeland security, its concepts, and local, state, and national-level governmental institutions. Emergency preparedness is covered as part of efforts to align preparedness, incident management, and response plans from governmental and non-governmental actors responding to man-made and natural disasters. (General Education - Political Economy) Three semester hours.

POLS 271. TOPICS IN POLITICAL SCIENCE
Exploration of topics and issues not currently included in the political science curriculum. This course is designed as an in-depth study of topics of political interest. May be taken for additional credit as topic changes. Prerequisite: “C” or better in POLS 101 or POLS 103 or permission of the instructor. One to three semester hours.

POLS 302. POLITICAL BEHAVIOR
An examination of political behavior by the general public. Topics include elections, voter choice, voter turnout, and activist recruitment. Three semester hours.

POLS 303. INTERNATIONAL RELATIONS
This course helps students develop the ability to analyze and evaluate the actions of countries and other entities in contemporary world affairs. It addresses questions of why nations go to war and how they make peace. It looks at challenges to the state-centric systems such as terrorism, politicized religion, imperialism, ideology, failed states and anarchy, and weapons of mass destruction and it looks back at the international politics of the cold war and forward toward alternative models of international affairs in the first half of the 21st century. Special attention to the analysis of the hegemonic role of the United States in international affairs. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

POLS 305. EUROPEAN POLITICS
This comparative government course focuses on the governmental systems of the United Kingdom, France, Germany, Russia, and the European Union. After reviewing and comparing politics within each nation-state, special attention is given to the history and processes of European integration, the role of Europe in the world, and transatlantic relations. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

POLS 307. PUBLIC OPINION
The course examines public opinion in the context of American politics. Topics include the formation, structure, and measurement of public opinion; the levels of stability and change in public opinion; and the relationship between public opinion and democracy. Special attention is devoted to some of the factors influencing public opinion such as party identification, ideology, political socialization, psychological dispositions, and political knowledge. The course will help students gain an appreciation for the multifaceted nature of public opinion and its importance in the American political system. Junior/senior status recommended. Prerequisite: POLS 101 or POLS 103. Three semester hours.

POLS 308. INTRODUCTION TO LAW
This course examines various approaches to the law, including philosophical, sociological, political, and historical. Topics include elements of legal reasoning, institutions, functions of the law, and the effects of law in American society. Prerequisite: "C" or better in POLS 101. Three semester hours.
POLS 311. CONSTITUTIONAL LAW
This course is a study of American federalism, political power of the judicial branch, judicial review, and limitations on the power of the courts. Special emphasis is given to the Supreme Court of the United States. Prerequisite: "C" or better in POLS 101. Three semester hours.

POLS 312. CIVIL RIGHTS AND CIVIL LIBERTIES
This course provides a study of rights guaranteed to American citizens under the Constitution of the United States. This course focuses on court decisions which interpret and protect individual rights and freedoms. Prerequisite: "C" or better in POLS 101. Three semester hours.

POLS 313. JUDICIAL PROCESS
This course will focus on the operation and workings of the courts and the people involved in or behind them, thereby analyzing the courts not just as formal institutions that are affected by an outside world of politics, but as major and integral parts of state and national politics. It will also include recent changes in judicial policy and its impact. Prerequisite: "C" or better in POLS 101. Three semester hours.

POLS 318. PUBLIC BUDGETING
As a basic course in public budgeting, this course focuses on the key steps in the development of state and local government budgets. This course will examine the budget process, identify the primary actors, their roles in the budget process, and their ability to influence the budget outcome. Budget concepts will be examined to include line item budgets, zero based budgets, performance budgets and capital budgets. The student will be exposed to the local budget process by attending budget hearings at either the county, city or local school boards. The goals of this course are: (1) to understand the concepts of public budgeting; (2) to understand the process of establishing a public budget; and (3) to understand the role of government agencies and citizens in the process. Three semester hours.

POLS 325. INTERNATIONAL CONFLICT AND TERRORISM
This course focuses on conflict in world politics, specifically the study of war, the use of force, and terrorism. Topics include both interstate wars and civil wars as well as military transformations related to technology, weapons of mass destruction (WMDs), political violence, ethnic conflicts, and humanitarian disasters. The course also examines the modern science and technology of nuclear weapons since 1945. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

POLS 331. POLITICAL PHILOSOPHY
As the basic course in political philosophy, this course focuses upon the origin and development of the key concepts which have molded our modern world. We will use original works of political philosophy, covering theorists as diverse as Plato, Aristotle, Machiavelli, Descartes, Hobbes, Rousseau, Mill, Foucault, Arendt and Marcuse. Each semester will have some variation with respect to these and other authors. The goals of this course are: (1) to improve the student’s own analytic-philosophical reasoning; (2) to gain a solid foundation of these key thinkers; and (3) to apply their concepts to the “modern” world in which we are learning to live. Prerequisites: POLS 101 or 103. Three semester hours.

POLS 350. POLITICAL PSYCHOLOGY
Political Psychology examines the interaction between politics and psychology in the attempt to understand various phenomena in the political world. The course focuses on how psychological processes influence the political behaviors and attitudes of individuals, groups, leaders, and the masses. Some of the commonly examined topics of the course include the roles of personality in politics, the processing of political information, individual and group decision making processes, intergroup conflict (based on factors such as ethnicity, race, nationalism, and religion), and collective violence. Prerequisite: POLS 101 or POLS 103 or POLS 200 or permission of instructor. Three semester hours.

POLS 351. SOUTH CAROLINA STATE LEGISLATIVE PROCESS
An introduction to the practice of state legislative procedures. This class will examine theory in legislating, legislative procedure, and will actually participate in a mock legislative process with other colleges and universities throughout the state. Students are required to participate in the South Carolina Student Legislature. Students may take the course up to three times for elective credit only. Prerequisite: A GPA of at least a 3.0 or permission of the instructor. One credit hour.
POLS 360. CONGRESS AND THE PRESIDENCY
This course examines the legislative and executive branches of the U.S. government. The constitutional and political powers of Congress and the president are addressed as well as their interaction in the policymaking process. Prerequisite: “C” or better in POLS 101 or permission of instructor. Three semester hours.

POLS 361. TOPICS IN GLOBAL ISSUES/ NONWESTERN STUDIES
Diversity of human experience in politics with focus on politically-oriented issues of interest either globally or in the non-western world. Prerequisite: Junior/senior status. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

POLS 366. INTERNATIONAL ORGANIZATION AND LAW
This course examines the ordering principles of world politics including international institutions, regimes, norms, and law. The course will look primarily at the historical evolution, functions, and policies of United Nations and the development of international law. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

POLS 371. SPECIAL TOPICS IN POLITICAL SCIENCE
Special theme course to be announced by discipline. Includes experimental and interdisciplinary courses, special trips, and research topics. One to three semester hours.

POLS 379. EMERGENCY MANAGEMENT
This course examines emergency management and preparedness for disaster mitigation, planning, response, and recovery. The course will address disaster risks, threats, and hazards. It covers intergovernmental relations as part of efforts to integrate and coordinate actions by governmental actors at the national, state, and local level, but also discusses ties to non-profit organizations and the private sector. Three semester hours.

POLS 381. QUANTITATIVE RESEARCH IN POLITICAL SCIENCE
This course examines quantitative approaches used to study politics, focusing on the foundational principles of research design and data analysis in political science. Students learn to critically evaluate political and social research and to conduct their own original analyses using computer software. Strongly recommended for all political science majors, especially those students who intend to pursue a graduate degree. Prerequisite: MATH 101, MATH 121, MATH 123, MATH 125, MATH 131, MATH 132, MATH 211, or MATH 212, or permission of the instructor. Three semester hours.

POLS 386. STATE AND LOCAL GOVERNMENT
Study of state and local governments in the United States, with a focus on South Carolina. Topics on state government include state political culture, institutions, and bureaucratic structures. Topics on local government include local government structures, functions, and roles. Special focus will be given to the topics of federalism and intergovernmental relations within the American federal system. Prerequisite: POLS 101. Three semester hours.

POLS 390. THE POLITICS OF GLOBALIZATION
This course will examine the politics of globalization and the development and management of the contemporary global economy. It will present various perspectives of international political economy, look at the roles of the Bretton Woods institutions, and examine the politics of trade and investment. Other topics, such as foreign aid, poverty, and the globalization of the American South, will be selected to analyze the interaction between international politics and international economics. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

POLS 391. HOMELAND SECURITY
This course is a survey of the actors, processes, and issues involved in areas of homeland security, such as anti-terrorism, emergency management, and analysis of hazards. It also examines the benefits and problems related to homeland security policy in the United States. Junior/senior status recommended. Cross-listed with CJ 391. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

POLS 445. AMERICAN FOREIGN POLICY
This course involves description and analysis of American foreign policy. The primary focus is upon how foreign policy is made, including the roles of the president, executive departments, Congress, intelligence community, public opinion, and the media. The course includes coverage of diplomatic, military, and foreign economic policy.
tools, and encourages evaluation of America’s role in the world. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) **Three semester hours.**

**POLS 490. INTERNSHIP**
Students participate in practical work experience related to the study of political science. Internship is supervised by a faculty member. A student must be in good academic standing and have completed 45 semester hours of credit. It is recommended that students complete at least three semester hours of credit in political science before participating in an internship. Other course prerequisite(s) may be required at the instructor’s discretion. Only six semester hours of credit in internships may count toward fulfillment of major requirements. For Pass/Fail credit only. **One to twelve semester hours.**

**POLS 499. CAPSTONE SEMINAR**
This capstone course assists students to synthesize their political science college experience and to prepare them to apply their knowledge and skills after graduation. Topics include political autobiography, analysis of contemporary political processes, and transition to post-graduate training and/or career. Senior or near-senior status. **One semester hour.**

**PORTUGUESE**

**PORT 101. ELEMENTARY PORTUGUESE I**
Pronunciation, vocabulary building, principles of grammar and reading, and introduction to culture. Idiomatic communication in the spoken language. **Three semester hours.**

**PORT 102. ELEMENTARY PORTUGUESE II**
Pronunciation, vocabulary building, principles of grammar and reading, and introduction to culture. Idiomatic communication in the spoken language. Prerequisite: PORT 101. **Three semester hours.**

**PSYCHOLOGY**

**PSYC 101. GENERAL PSYCHOLOGY**
Fundamental laws, facts, problems and fields of psychology and its relation and important applications to other fields. (General Education – Behavioral Science) **Three semester hours.**

**PSYC 102. INTRODUCTION TO PSYCHOLOGY FOR MAJORS.**
Introduces psychology majors to the scientific study of behavior and mental processes. Emphasizes fundamental laws, research methods, facts, problems and fields of psychology and its relation and important applications to other fields. Prohibited to students currently enrolled in or having earned credit in PSYC 101. Prerequisite: psychology major or permission of instructor. **Three semester hours.**

**PSYC 190. CAREERS IN PSYCHOLOGY.**
An introduction to career opportunities in the various fields of psychology. It provides information on the knowledge and skills expected of a psychology major. It presents aspects of psychology as a science and profession, and discusses the requirements for advanced degrees (MS, Ph.D.). Restricted to psychology majors, psychology minors, or students who have not declared a major. Any exceptions must be approved by the instructor. **One semester hour.**

**PSYC 203. DEVELOPMENTAL PSYCHOLOGY**
A study of the psychological aspects of human development from conception through the experience of dying with emphasis on cognitive, emotional, social, physical and moral development. Different approaches to development and various factors affecting development provide the framework for the course. Prerequisites: “C” or better in ENGL 102 and “C” or better in PSYC 101 or PSYC 102. **Three semester hours.**

**PSYC 212. INTERVIEWING AND COUNSELING**
Introduces the student to relevant theory and effective techniques of interviewing and counseling used in institutions, agencies, and business. Students will actively participate in class exercises as well as theoretical discussions to develop their knowledge and skills in this area of psychology. Prerequisites: ENGL 102 and one of the following: PSYC 101, PSYC 102, SOCI 101, or ANTH 104. **Three semester hours.**
PSYC 221. UNDERGRADUATE RESEARCH
Faculty mentored research on a topic of psychological interest. This course may be repeated for additional credit. Prerequisites: “C” or better in PSYC 101 or PSYC 102 and permission of the instructor, psychology major or minor. Graded pass/fail. One semester hour.

PSYC 251. ABNORMAL PSYCHOLOGY
Provides students with the basic vocabulary of the field and the basics of diagnostic procedure, plus an understanding of ethical issues. Students also learn how various disorders are explained and treated by the major approaches currently in use. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Three semester hours.

PSYC 260. PSYCHOLOGY RESEARCH SKILLS
This course introduces students to the ways in which scientific psychological research progresses from formulating an idea to implementing a research design to dissemination of the findings in a professional venue. Students are introduced to the different components of psychological research reported in peer reviewed primary sources. Students learn how to evaluate and critique the relevant information from each section of these reports, how to form logical connections between previously reported findings in the development of novel hypotheses, and how to interpret and create graphs and tables in preparation for conducting research. Prerequisites: “C” or better in PSYC 101 or PSYC 102 and “C” or better in ENGL 102 or ENGL 373. Three semester hours.

PSYC 299. PSYCHOLOGICAL FIELDWORK
One hour weekly in class meeting and two hours weekly service for a minimum of 26 hours, as volunteers for social service agencies or businesses. Formal reports in class. Prerequisites: PSYC 101 or PSYC 102 and Psychology major or minor. Graded pass/fail. This course may be repeated for additional credit. One semester hour.

PSYC 301. SOCIAL PERCEPTION: SOCIAL PSYCHOLOGY I
An analysis of the current methods and theories concerning how people process social information. Topics include social cognition, social perception, attitudes and persuasion, the self, and interpersonal attraction. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Three semester hours.

PSYC 302. GROUP PROCESSES: SOCIAL PSYCHOLOGY II
An analysis of the current methods and theories concerning group processes and social influence. Topics include conformity, obedience, compliance, aggression, prosocial behavior, stereotyping, prejudice, and discrimination, and group cooperation and conflict. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Three semester hours.

PSYC 303. PSYCHOLOGY OF AGING
Course is structured to trace the latter part of the maturation scale, studying the biological, psychological, and sociological changes and adjustments attendant upon the human organism in advancing years. The changes in the organism’s vulnerability because of the psychological, chemical, and anatomical adjustments; the changes in capacity to adapt to the demands of the environment and other persons; the changes in social habits due to society’s expectations--these are the interests this course is designed to address. Prerequisites: PSYC 101 or PSYC 102, and PSYC 203 and ENGL 102 or permission of instructor. Three semester hours.

PSYC 304. BIOLOGICAL BASES OF BEHAVIOR
An investigation of the biological foundations of behavior with particular emphasis on the role of the nervous system. Topics included are sensation, motivation, emotion, learning and some aspects of psychopathology. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and a laboratory science course. Three semester hours.

PSYC 306. PSYCHOLOGY OF PERSONALITY
Detailed study of normal personality. The course is organized around the biological and social determinants of personality, and sketches important methods used in personality study, various theories of personality development, and concepts of traits, types and attitudes. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and junior status. Three semester hours.

PSYC 312. SYSTEMS OF PSYCHOTHERAPY
An investigation of the theories, processes, and practical applications of psychological principles of therapy. Students are encouraged in participation in order to experience some of the methods that comprise an integral part of therapy through such activities as videotaping, testing, interviewing, role play and simulated therapy sessions. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Three semester hours.
PSYC 314. PSYCHOLOGY OF CHILDHOOD
An examination of human development from conception to adolescence. This course will focus on psychological development, with particular emphasis on cognitive, social, and emotional development. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and PSYC 203. Three semester hours.

PSYC 315. ADOLESCENT DEVELOPMENT
An examination of human development through the period of adolescence. This course will focus on the scientific examination of psychological development, with particular emphasis on cognitive, social, and emotional development. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and PSYC 203. Three semester hours.

PSYC 330. METHODS AND LOGIC OF BEHAVIORAL RESEARCH
An examination of basic assumptions, rules and limitations of the scientific method, as well as the procedures involved in formulating research hypotheses, measuring variables, and selecting appropriate research designs. Scientific writing, hypothesis testing, psychometrics and a lab component are also required. Prerequisites: “C” or better in ENGL 102 and “C” or better in PSYC 101 or PSYC 102 and “C” or better in PSYC 260. Four semester hours.

PSYC 331. BEHAVIORAL STATISTICS IN EXPERIMENTAL PSYCHOLOGY
Explains the properties of the different kinds of data scales and distributions encountered in behavioral research. Covers the procedures of summarizing data and presenting them in tabular and graphic forms. Also covers the logical process of selecting appropriate inferential statistics and the use of statistical software. Includes research lab component. Prerequisites: PSYC 190 and “C” or better in PSYC 330 and MATH 211 (any exception must be petitioned). Four semester hours.

PSYC 333. COGNITIVE PSYCHOLOGY
Theories and research pertaining to cognitive topics, such as perception, learning of concepts, memory, reasoning, and language. Junior/senior status recommended. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Three semester hours.

PSYC 358. HISTORY AND SYSTEMS OF PSYCHOLOGY
Designed to examine the development of systems of thought and theories in psychology with an emphasis on the criticisms of and contributions made by these systems and theories. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Three semester hours.

PSYC 360. WOMEN AND MEN
This course examines gender and gender roles from a number of different perspectives: psychological, biological, historical, anthropological, and social roles. This course also considers how gender is perceived in Western and Non-Western cultures and how gender influences interactions in a number of real world domains (such as work, government, and education). Prerequisites: PSYC 101 and ENGL 102. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

PSYC 361. STATES OF CONSCIOUSNESS
This course investigates the current scientific psychological research into states of consciousness and the practical implications of this research. Topic areas include sleep, hypnosis, meditation, mind-altered states, and drug states. Prerequisite: PSYC 101 or PSYC 102. Three semester hours.

PSYC 362. HEALTH PSYCHOLOGY
The profession of psychology has found an increasingly important role in the treatment of health related behaviors. The course reviews our current scientific knowledge with respect to the psychological and emotional causes for many health problems (obesity, heart disease, stress disorders). This course will also investigate the role that psychology plays in the treatment of obesity, smoking, stress, and sleep disorders. Prerequisite: PSYC 101 or PSYC 102. Three semester hours.

PSYC 363. SEXUAL BEHAVIOR AND DEVIANCE
This course reviews psychology’s current research into the occurrence development, and classification of human sexual behavior including deviant behaviors. This course will acquaint the students with the range of different forms that sexual behavior may take and the challenges faced by researchers in this field of study. Prerequisite: PSYC 101 or PSYC 102. Three semester hours.
PSYC 379. SPECIAL TOPICS SEMINARS
Such seminars are designed to provide an in-depth analysis of a topic. The student is expected to participate more than he or she ordinarily would in a traditional lecture course. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Three semester hours.

PSYC 400. PSYCHOMETRICS
The first section covers the techniques and principles of test construction. The second section deals with the application and methods of interpretation of some standard psychological tests. Prerequisite: “C” or better in PSYC 330 and PSYC 331. Three semester hours.

PSYC 405. DEATH AND DYING
A cross-cultural analysis of death and dying from historical, anthropological, psychological, theological, and sociological perspectives. Topics will include denial/acceptance of death, euthanasia, funeral rituals, mourning, and suicide. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

PSYC 416. CHILDHOOD PSYCHOPATHOLOGY
This course is designed to provide an introduction to the behavioral disorders of childhood and adolescence. Along with the descriptions of these disorders, we will discuss the empirical data associated with each disorder, as well as the assessment and treatment of these disorders. Special emphasis will be given to the multiple factors/variables that underlie these conditions. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and PSYC 203. Three semester hours.

PSYC 421. RESEARCH SEMINAR
Independent research on a topic of psychological interest. A research paper is required. This course may be repeated for additional credit. Prerequisite: “C” or better in PSYC 331 and permission of instructor. One to three semester hours.

PSYC 490. INTERNSHIP
Interns work for a social/service agency or business for an average of eight hours per week for 13 weeks, performing various activities related to their particular career goals and emphases in psychology, e.g., testing, counseling, behavior modification, human resources, day care, elder care. Interns meet in class once per week and make formal presentations. This course may be repeated for an additional three hours credit with the approval of the unit head. Prerequisites: PSYC 331 with a minimum of “C” and permission of the instructor. Three semester hours.

PSYC 499. SENIOR SEMINAR
The professional concerns/capstone course. Topics include issues of professional conduct, ethics, resumes, and transition to career choices. Prerequisites: Senior status and “C” or better in PSCY 331 and either psychology major or minor. Two semester hours.

RELIGION
RELI 101. SACRED TEXTS AND IDEAS
This course introduces students to the reading of sacred texts and the vital role of religion in human experience. Texts will be examined with a focus upon literary and cultural dimensions that produce patterns of belief, ritual, and human action. Three semester hours.

RELI 211. INTRODUCTION TO THE OLD TESTAMENT
The course is a survey of the literature of the Old Testament as it reflects the development of an historical community whose stories and traditions date to the second millennium BCE. The texts reflect the emerging faith and culture of the ancient Hebrew community within the diverse environment of the Ancient Near Eastern world. Three semester hours.

RELI 212. INTRODUCTION TO THE NEW TESTAMENT
The course begins with the Maccabean period BCE and examines the emergence of Christianity. It investigates the theological, historical, and literary developments of the rapid growth of the early Christian church by focusing on Jesus, his apostles, and the person of Paul. Emphasis is placed on the interpretation of texts of the New Testament. Three semester hours.
REL 301. RELIGIONS OF THE WORLD
This course offers a comparative and historical study of several of the world’s major religious traditions, such as Judaism, Christianity, Islam, Hinduism, and Buddhism. (General Education - Global Issues/Nonwestern Studies)

*Three semester hours.*

REL 330. THE PAPACY
The story of the Papacy parallels the story of Western Civilization from the founding of the Christian Church through the end of the second millennium and beyond. The popes have also come to oversee a faith-community of one billion members throughout the world. This course will explore this enduring and influential institution – one that has outlived empires, kingdoms, dynasties, and states in world history – not only through the office itself, but also through the human dimensions of the popes in their roles as administrators, political leaders, and patrons of culture and learning. Prerequisite: ENGL 101 and 102. (General Education - Global Issues/Nonwestern Studies)

*Three semester hours.*

REL 371. TOPICS IN GLOBAL ISSUES/NONWESTERN STUDIES
This special or experimental course is to be announced by the department to explore the diverse religious roots of world cultures and societies. This course may be repeated for additional credit as the theme changes.
Prerequisites: ENGL 102 and a 100-level general education history course. (Global Issues/Nonwestern Studies)

*Three semester hours.*

REL 441. TOPICS IN RELIGION
This course offers special topics in the study of religion to be offered by various instructors and announced in advance. Prerequisites: ENGL 102 and a three semester hour 100-level general education history course. *Three semester hours.*

SOCIOLOGY

SOCI 101. INTRODUCTION TO SOCIOLOGY
General perspectives of sociologists toward human behavior in social groups, the individual as a social actor, interaction pattern between social groups, inter-institutional differentials in human behavior, and dynamics of social systems. SOCI 101 is required of all sociology majors. (General Education – Behavioral Science) *Three semester hours.*

SOCI 202. SOCIAL PROBLEMS
Sources, nature, extent, and consequences of social and cultural change, with special emphasis on the development of social movements, political protest, and collective violence. Attention is also given to the major problems confronting groups and individuals in contemporary societies. Prerequisite: “C” or better in SOCI 101 or departmental approval. *Three semester hours.*

SOCI 205. AFRICAN-AMERICAN COMMUNITIES
This course focuses on: 1) the history, development, and internal structure of African-American communities as a unique social type in American Society; and 2) the ways in which these communities have shaped African-American identity. This course explores the assumption that African-American communities have been shaped by a particular set of historical circumstances. Within these communities, autobiographical, generational, and ancestral memories of those events inform racial/ethical identity. Prerequisite: “C” or better in SOCI 101 or departmental approval. *Three semester hours.*

SOCI 210. CORRECTIONS, PROBATION, AND PAROLE
This course explores the broad spectrum of the systems, processes, and people that constitute the field of corrections and examines the history of emergence and development of prisons and jails, probation, parole, and community-based corrections. Cross-listed with CJ 210. Prerequisites: CJ 101, POLS 101, and SOCI 101. *Three semester hours.*

SOCI 214. AMERICAN CRIMINAL JUSTICE SYSTEM

SOCI 227. SOCIAL MOVEMENTS
This course offers an introductory survey to the sociology of social movements. Particular social movements to be studied may include, but will not be limited to environmental, civil rights, feminist, gay rights, class-based, hate-based, and terrorist social movements. Significant attention will be paid to the history, theory and methods of
social movement research, and also to role of social movements in contemporary society. Prerequisite: SOCI 101 with “C” or better or permission of instructor. Three credit hours.

SOCI 228. POPULAR CULTURE AND THE MASS MEDIA
This course addresses the sociology of popular culture and the mass media. Theories of the construction and reproduction of popular culture, the role and influence of the mass media in society, connections to systems of race, class, and gender stratification, and the sociology of particular forms of mass media (e.g. television, film, literature, music, digital and internet) will be addressed. Prerequisite: “C” or better in SOCI 101 or departmental approval. Three semester hours.

SOCI 250. COMMUNITY RELATIONS AND POLICING
This course exposes students to the historical and current perspectives of the role of police in American society. Critical and controversial issues in modern policing will be explored. Cross-listed with CJ 250. Prerequisites: CJ 101, POLS 101, and SOCI 101. Three semester hours.

SOCI 271. SPECIAL TOPICS IN SOCIOLOGY OR CRIMINAL JUSTICE
Exploration of topics and issues not currently included in the criminal justice or sociology curriculum. This course is designed as an experimental course covering in-depth studies of interest. May be taken for additional credit as topic changes. Cross-listed with CJ 271. Prerequisites: CJ 101, POLS 101, and SOCI 101 or departmental approval. One to three semester hours.

SOCI 275. SOCIAL STRATIFICATION
This course focuses on the causes and consequences of systems of class, gender, race and ethnic stratification in the United States. It will address the history of systems of stratification, how they impact the distribution and reproduction of wealth, power, and privilege, and efforts to mitigate social inequality. Prerequisite: “C” or better in SOCI 101 or permission of the instructor. Three semester hours.

SOCI 301. RACE AND ETHNIC RELATIONS
This course examines the nature of racially and ethnically defined intergroup relations in a variety of cultural contexts. Of particular concern are the ways in which race and ethnicity shape stratification systems, and the ways in which race and ethnicity shape individual and group identity. The course examines both historical and cultural variations in prejudice and discrimination. Prerequisite: Junior/senior status only. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

SOCI 302. COMPARATIVE SOCIAL INSTITUTIONS
The primary purpose of this course is to provide cross-cultural analysis of social institutions. The course will examine the major aspects of social institutions - familial, religious, educational, political, economic, legal and media - from a sociological perspective. Special attention will be given to understanding how the structures of institutions in one society compare with those found in other societies. Prerequisites: “C” or better in SOCI 101 and SOCI 202 or departmental approval. Three semester hours.

SOCI 311. INTRODUCTION TO SOCIAL WORK
Survey of the historical background of social work and the changing philosophy as shown in the present principles and techniques common to all forms of social case work. Prerequisites: “C” or better in SOCI 101 and SOCI 202 or departmental approval. Three semester hours.

SOCI 314. SOCIAL WELFARE POLICIES AND PROGRAMS
This course will examine the history of social welfare, including the values, beliefs, and attitudes that have shaped social welfare in the United States. The course will examine diverse social issues. The student will have the opportunity to address political and economic factors that affect social welfare policy. The student will also participate in developing a social project policy, carry out the policy, and then evaluate the policy on the act usage of the newly developed policy. Prerequisites: “C” or better in SOCI 101 and SOCI 202 or departmental approval. Three semester hours.

SOCI 321. MEDICAL SOCIOLOGY
This class is organized around holistic exploration of ways in which health, illness and medical practices are socially patterned across diverse human cultures. A focus will be how processes and structures within economic systems (including poverty, political violence, and toxic waste disposal) impact well-being. Cross-listed with ANTH 321. Prerequisites: Grade of “C” or better in ANTH 104, or SOCI 101 and sophomore/junior/senior status recommended. Three semester hours.
SOCI 322. SOCIOLOGY OF MENTAL HEALTH
Sociocultural variations in the predictability of psychopathology of mental disorder. A critical analysis of the complex organizations, etiologies, typologies, and social policies relative to the phenomenon of mental health. Prerequisites: “C” or better in SOCI 101 and SOCI 202 or departmental approval. Three semester hours.

SOCI 326. SOCIETY AND LAW
Study of the social origin of law: the interrelations of society and law: examines the moral, ethical, social and the legal aspect of law, criminal law and legal process. Prerequisites: “C” or better in SOCI 101 and SOCI 202 or departmental approval. Three semester hours.

SOCI 328. SOCIOLOGY OF GENDER
This course analyzes the role of gender and sexuality in society. It explores the social construction of gender, cross-cultural research variations of masculinity, femininity and sexuality; how gender and sexuality impact life chances and well-being; and gendered dimensions of social institutions, including the economy, media, family, religion, politics, science and the law. Prerequisites: “C” or better in SOCI 101 and SOCI 202 or departmental approval. Three semester hours.

SOCI 331. DEVIANCE AND SOCIAL CONTROL
This course concerns the sociology of deviance and social control at both individual and organizational levels of society. Theories of deviance, different forms of deviance, mechanisms of social control, and how deviant behavior is related to questions of power, identity, and systems of race, class, and gender stratification, will all be addressed. Prerequisite: SOCI 202. Three semester hours.

SOCI 351. SOCIOLOGY OF FAMILY
A primary purpose of this course is to provide an in-depth cross-cultural analysis of family systems. It will involve an examination of the major aspects of the family. In addition, attempts will be made to understand the basic sociological perspectives employed in the analysis of family. Prerequisite: completion of at least 40 credit hours of college coursework. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

SOCI 361. SOCIOLOGY OF AGING
Aging as a phenomenon of study necessarily requires an understanding of temporality. It is the real life example of how past and future are implicated in present experience from a cross cultural perspective. It will involve an in-depth comparison of social problems and issues of aging and how they relate to both time and place. Theories of aging will be introduced and analyzed with reference to the variations and similarities of the aging experience as a global concern. Prerequisite: Junior/senior status only. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

SOCI 371. SPECIAL TOPICS IN SOCIOLOGY OR CRIMINAL JUSTICE
This is an exploration of topics and issues not currently included in the criminal justice or sociology curriculum. This course explores emergent areas within sociology or criminology as informed by theory. May be taken for additional credit as topic changes. Cross-listed with CJ 371. Prerequisites: CJ 101, POLS 101, and SOCI 101 or departmental approval. One to three semester hours.

SOCI 377. GLOBAL ISSUES/NONWESTERN STUDIES SPECIAL TOPICS
Special or experimental course that either explores a sociological topic relevant to all cultures and societies or explores a sociological issue relevant to nonwestern cultures and societies. Prerequisite: Junior/senior status. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

SOCI 389. CULTURES OF VIOLENCE
The use of violence as a cultural and political weapon dates back over 2000 years. This course explores key foundational topics by defining types of violence, introducing the history and causes of violence, as well as discussing environments of violence (domestic, global, religious, etc.), tactics, targets, and counterterrorism. Contemporary information regarding ethnic violence, emerging terrorist movements, and social media and violence are also included. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies) Three semester hours.

SOCI 397. SOCIOLOGY OF RISK
This course provides students with the skills to analyze risk at different levels of social reality, helping students to better manage risk in their own lives and communities. Philosophical and theoretical perspectives on the nature of risk, key debates in the field of risk studies, and how specific populations around the world are differentially
vulnerable to risk will be addressed. Junior/senior status recommended. (General Education - Global Issues/Nonwestern Studies)  

**SOCI 398. METHODS OF SOCIAL RESEARCH**  
An introduction to the logic and conduct of social research, relationships between theory and empirical evidence; formulation of hypotheses; conduct and analysis of field research; research design; techniques for data collection and analysis. Prerequisites: SOCI 101 with “C” or better; MATH 211 or BA 225 with “C” or better; and nine additional hours in criminal justice or sociology with “C” or better. Students must also have a Lander GPA of at least 2.0 and permission of the instructor to take this course.  

**Three semester hours.**

**SOCI 399. SOCIOLOGICAL THEORY**  
This course offers students the opportunity to critically examine the major theoretical orientations in classical sociological thought. Students will use knowledge and skill-based techniques to reinforce their understanding of theory construction and to generate models of social processes and dynamics. The course will also explore the social, political, cultural and historical contexts in which theory is developed as well as the structural transformations of modernity that shaped early sociological theory. A central focus of the course will be using sociological theory to make connections between individual circumstances and the general nature of social life. Prerequisites: SOCI 101 with “C” or better; ENGL 275 or ENGL 373 with “C” or better and nine additional hours in sociology with “C” or better. Students must also have a Lander GPA of at least 2.0 and permission of the instructor to take this course.  

**Three semester hours.**

**SOCI 421. SOCIOLOGY SENIOR SEMINAR**  
Independent research using primary sources on a topic of sociological interest. Prerequisite: Senior status and “C” or better in SOCI 398 and SOCI 399. Students must also have a Lander GPA of at least 2.0 to take this course.  

**Three semester hours.**

**SOCI 433. CONTEMPORARY SOCIOLOGICAL THEORY**  
This course is designed to be the companion class to SOCI 399. Whereas SOCI 399 mainly addresses the concerns of classical sociological theorizing, this course covers sociological theory from the mid-20th century to the present. Topics to be addressed include: Parsonian Sociology, the Frankfurt School, Symbolic Interactionism, Feminism, contemporary theories of race and ethnicity, modern and postmodern theory and globalization. Prerequisites: “C” or better in SOCI 399 and/or departmental approval.  

**Three semester hours.**

**SOCI 490. SOCIOLOGY INTERNSHIP**  
An advanced workshop for future professionals in the field of applied sociology. The main objective of this course will be the application of selected basic concepts of sociology to a current social reality. Emphasis will be given to analyses of aspects of current acute social problems while familiarizing students with the basic principles of sociologists’ professional ethics. This course is intended as a professionalization building experience for students in the Sociology program. This course may be taken for one to nine semester course hours. This course may be repeated for additional credit, not to exceed nine hours total. Anything beyond three semester hours requires approval of the department chair. Only six semester hours of credit in internships may count toward fulfillment of major requirements. Prerequisites: “C” or better in SOCI 398 and a Lander GPA of at least 2.0.  

**One to nine semester hours.**

**SOCI 499. CAPSTONE EXPERIENCE**  
This course is designed to be one of the last classes a sociology major takes and is structured to help students apply their knowledge and skills after graduation. Topics to be covered include a review of major topics, concerns, and paradigms in sociology, discussion of the role of sociology and sociologists in society today, and strategies for putting a sociology degree to work in a post-collegiate context. Prerequisite: “C” or better in SOCI 399 or departmental approval.  

**One semester hour.**

**SPANISH**

**SPAN 101. ELEMENTARY SPANISH I**  
Pronunciation, vocabulary building, principles of grammar and reading, and introduction to Hispanic cultures. Idiomatic communication in the spoken language. Prerequisite: Placement determined per Foreign Language Placement Policy.  

**Three semester hours.**
SPAN 102. ELEMENTARY SPANISH II
Pronunciation, vocabulary building, principles of grammar and reading, and introduction to Hispanic cultures. Idiomatic communication in the spoken language. Prerequisite: SPAN 101 or placement determined per Foreign Language Placement Policy. Three semester hours.

SPAN 203. INTERMEDIATE SPANISH
Spanish reading and writing skills, study of Hispanic cultures, composition, and oral practice. Emphasis on idiomatic usage of the spoken language. Prerequisite: SPAN 102, or placement. Three semester hours.

SPAN 208. HISPANIC CIVILIZATIONS
An introduction to the cultures and civilizations of Spain and Spanish America, including geography, historical development, and the values that provide a vision of social, economic, and political forces that shape the Hispanic world. Conducted in Spanish. Prerequisite: SPAN 203 or permission of instructor. Three semester hours.

SPAN 280. SPECIAL TOPICS
The study of a particular issue, theme, or topic in Hispanic language, civilization, or literature. May be given in Spanish or English. Prerequisite: Permission of instructor. One to three semester hours.

SPAN 301. SPANISH CONVERSATION AND COMPOSITION
Development of proficiency in oral and written communication in Spanish, focusing on vocabulary and structures. Discussions, oral presentations, and essays on material from Spanish texts and film. Conducted in Spanish. Prerequisite: SPAN 203 or placement. Three semester hours.

SPAN 304. SPANISH PHONETICS
An introduction to the phonological system of the Spanish language including the theoretical basis for understanding the Spanish sound system. Students will perfect their own pronunciation through classroom practice and evaluated recordings. Prerequisite: SPAN 202. Three semester hours.

SPAN 305. SPANISH GRAMMAR AND COMPOSITION
Development of writing proficiency in Spanish, including vocabulary, grammar, usage, and style. Conducted in Spanish. Prerequisite: SPAN 202 or placement. Three semester hours.

SPAN 310. INTRODUCTION TO HISPANIC LITERATURE
Comprehensive introduction to the analysis of Hispanic literary texts with an emphasis on critical reading and writing. Readings, analyses, lectures, and compositions in Spanish. Prerequisite: SPAN 305 or permission of instructor. Three semester hours.

SPAN 313. READINGS IN SPANISH-AMERICAN LITERATURE
Selected texts in Spanish-American literature from the Conquest to contemporary times. Reading, analysis, and discussion of representative works from authors such as Cortés, Inca Garcilaso, Isaacs, Dario, Borges, Neruda, Cortázar, García Márquez, and Esquivel. Conducted in Spanish. Prerequisite: SPAN 310 or permission of instructor. Three semester hours.

SPAN 314. READINGS IN PENINSULAR LITERATURE
Selected texts in Spanish literature from the Middle Ages to contemporary times. Reading, analysis, and discussion of representative works from authors such as Rojas, Cervantes, Lope de Vega, Galdós, Unamuno, Machado, García Lorca, Cela, and Martín Gaite. Conducted in Spanish. Prerequisite: SPAN 310 or permission of instructor. Three semester hours.

SPAN 320. HISPANIC CINEMA
The study of films as mirrors of Hispanic societies. Topics include the comparative analysis of film and literature, film as propaganda, film as blockbuster, and the cinematic depiction of social, cultural, and historical realities of Hispanic nations. Prerequisite: SPAN 305 or permission of instructor. Three semester hours.

SPAN 330. OVERSEAS STUDY
Individualized project undertaken on an overseas study program approved by the University. One semester hour.

SPAN 340. OVERSEAS STUDY: LANGUAGE
Intensive language study on an overseas study program approved by the University. Prerequisite: Placement. One to nine semester hours.
SPAN 350. OVERSEAS STUDY: CULTURAL STUDIES
Study in any area of Hispanic culture and society on an overseas study program approved by the University. Prerequisite: Placement. **One to nine semester hours.**

SPAN 360. OVERSEAS STUDY: LITERATURE
Study of Hispanic literature on an overseas study program approved by the University. Prerequisite: Placement. **One to six semester hours.**

SPAN 380. SPECIAL TOPICS
Course offered periodically for the investigation of a particular issue, theme, or topic in Hispanic studies. Conducted in Spanish. Prerequisite: SPAN 305 or permission of instructor. **One to three semester hours.**

SPAN 403. SPANISH LINGUISTICS
Spanish morphology and syntax at the applied level, within a semantic framework. Conducted in Spanish. Prerequisite: SPAN 305. **Three semester hours.**

SPAN 410. SEMINAR IN HISPANIC STUDIES
Advanced study in a specialized area, movement, writer, or work in Hispanic culture, literature, or society. Conducted in Spanish. Prerequisite: SPAN 305 or permission of instructor. **Three semester hours.**

SPAN 490. INTERNSHIP IN SPANISH
Practical experience in professional employment settings either locally or abroad. Placements may be made available through the department, or may be arranged by students in consultation with the department. Conducted in Spanish. May be repeated for a total of twelve hours. Prerequisite: SPAN 305, overseas study, permission of instructor. **One to twelve semester hours.**

SPAN 499. SENIOR PROJECT
A directed individual research project on a topic to be arranged with a professor. Final essay and oral presentation in Spanish. Prerequisite: Senior standing, permission of instructor. **Two to four semester hours.**

SPECIAL EDUCATION
See pages 163-164.

SPEECH

SPCH 101. SPEECH FUNDAMENTALS
Develops increased accuracy in the basic elements of the communicative process. Study and application of the principles of speech communication. **Three semester hours.**

SPCH 102. FUNDAMENTALS OF ORAL INTERPRETATION
Develops demonstrated competence in the elements of voice and body used in oral interpretation. Competence is also required in the analysis of literature for its spirit and meaning. Required for majors. Restricted to Mass Communications & Media Studies or permission of instructor. **Three semester hours.**

SPCH 201. VOICE AND DICTION
Designed to develop demonstrated competence in personal speech and diction skills through the study of voice production technique, the skills required to achieve clear articulation, and the ability to identify and master standard pronunciation. Required for majors. Restricted to Mass Communications & Media Studies or permission of instructor. This is a studio course. **Three semester hours.**

TEACHING FELLOWS PROGRAM
See page 156.

THEATRE

THTR 017. PERFORMANCE
This course requires students to experience a variety of dramatic literature and live performance styles by auditioning for and performing in at least two department productions. This class may not be taken more than twice. Graded pass/fail, **No credit.**
THTR 100. PLAY PRODUCTION
Students who work in a faculty-directed theatre department production as a performer, designer, or manager have the opportunity to earn credit. Participation is by audition or permission of faculty director. Principles and techniques that are taught in the department classes will be applied in the production. Participation will be determined during the drop/add week of classes. This course may be repeated for additional credit as productions change. Zero to three semester hours.

THTR 112. TECHNICAL PRODUCTION
Students acquire practical technical theatre production experience and training. Students serve on production crews and work in the scene shop. May be repeated for additional credit to meet required hours, or as a general elective. Three semester hours.

THTR 200. ACTING I
Focus is on the creative process as it applies to the study of acting. A variety of techniques that help actors to create believable characters in performance will be actively addressed. Three semester hours.

THTR 201. THEATRE APPRECIATION
A study in theatrical literature that focuses on key historical eras in the development of theatre movements. (General Education – Fine Arts) Three semester hours.

THTR 203. ACTING II
This course is a continuation of THTR 200. Focus is on scene analysis and developing emotional honesty in a performance. Prerequisite: THTR 200 or permission of the instructor. Three semester hours.

THTR 221. BASIC STAGECRAFT
Lecture and laboratory course on the basic principles and techniques of executing the design elements of stage scenery, lighting, and costuming. The emphasis is on the practical experiences that require students to demonstrate competences in these areas. Three semester hours.

THTR 301. SPECIAL TOPICS IN THEATRE
Specialized instruction in area of theatre not normally covered in existing coursework. Area to be covered will be based on need of students. Course can be repeated for different topics. Six (6) hours are required for theatre emphasis majors. Restricted to Mass Communications & Media Studies majors or permission of instructor. Three semester hours.

THTR 304. VOICE OVER ACTING TECHNIQUES
Course will focus on basic voice over acting techniques to help students develop the skills they need to effectively become voice over talent for commercials, narrations, and animation. Students will also learn about setting realistic goals, marketing, studio basics, and working with a director/producer. The goal of the course is to have hands-on experience working with copy and developing a sample demo. Prerequisites: MEDA 302 and either SPCH 102 or SPCH 201. Three semester hours.

THTR 308. ON CAMERA ACTING TECHNIQUE
This course will focus on basic skills for an effective performance on video. Emphasis is on practical experience to develop and demonstrate competence in working in front of a camera. Prerequisite: SPCH 102 or THTR 301 or THTR 390. Three semester hours.

THTR 342. SCENE DESIGN AND STAGE LIGHTING
Designed to develop demonstrated competence in aesthetic and practical considerations for designing theatrical stage productions. Design elements such as lighting, scenic, and costumes will be discussed. Required for theatre majors. Prerequisite: THTR 221. Three semester hours.

THTR 345. INTEGRATED ARTS INSTRUCTIONAL STRATEGIES: DRAMA
Elementary educations students (grades 2-6) learn to (1) develop a unit of instruction integrating instructional strategies of dramas and language arts pedagogy, (2) use drama as a primary means of communication as well as (3) use drama to make connections with other arts disciplines. Prerequisite: Restricted to Early Childhood, Elementary, and Special Education majors. Co-requisite: Taken concurrently with EDUC 345. One semester hour.
THTR 350. THEATRE HISTORY AND LITERATURE
Survey of the historical developments in theatre including literature, criticism, and analysis. Playwrights, representative plays, and styles of production will be surveyed from the Greek Classicism through the Elizabethan period, while also focusing on non-western theatre. Prerequisite: ENGL 102. Three semester hours.

THTR 390. SCRIPTWRITING
A study of the mechanics and format for stage, television/film, and radio writing with practical application achieved through the actual production of scripts. All students will be required to complete a short script. Scripts will receive public readings and selected short script will be produced in the appropriate media. Prerequisite: ENGL 102. Three semester hours.

THTR 416. PLAY DIRECTING LABORATORY
A continuation of Theatre 499. Students cast and direct a one-act play. Emphasis is on practical application of the information learned in Theatre 499. Prerequisite: THTR 499. One semester hour.

THEATRE 450. THEATRE HISTORY AND LITERATURE
Survey of the historical developments in theatre including literature, criticism, and analysis. Playwrights, representative plays, and styles of production will be surveyed from Restoration to the present. Prerequisite: ENGL 102. Three semester hours.

THTR 490. INTERNSHIP
Designed to give the student a practical work experience in a field related to his or her major. A student will work through an approved agency, business, or theatre company under the supervision of one of its professional employees and a major professor. Students must apply one semester in advance of the internship. Suitable positions determine availability. Prerequisites: 18 semester hours in the major and junior or senior standing. One to six semester hours.

THTR 499. PLAY DIRECTING
Students will learn the basic theory and techniques required to plan and direct a theatrical production. Emphasis is placed on the formulation of a production concept and the completion of a prompt book. This is also a capstone course which will examine current legal and ethical issues as well as opportunities for employment and post-graduate training. Prerequisites: THTR 221, 350 or permission of the instructor. Junior/senior status is required. Three semester hours.

UNIVERSITY ORIENTATION

LINK 101. LEADERSHIP, INVOLVEMENT, NETWORKING AND KNOWLEDGE
This course provides academic and co-curricular experiences for freshmen that will establish a firm foundation upon which students can build the skills, knowledge, and values essential for success in higher education and the world beyond. Through the various assignments completed for this course, our goal is that students will develop: 1) the intellectual, skill, and interpersonal competencies necessary for college success; 2) an autonomous and responsible emotional, intellectual, and social integration into college life; 3) a self-determined system of meaning and values; and, 4) a commitment to exploring and pursuing life goals. Required for all incoming students who have earned less than 24 hours. One semester hour.