

UNDERGRADUATE COURSES OF STUDY

ACADEMIC SUCCESS

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 credit hour.**

ACCOUNTING

ACCT 201.FINANCIAL ACCOUNTING PRINCIPLES

This course is 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. Prerequisite: MATH 121. **Three credit hours.**

ACCT 202.MANAGERIAL ACCOUNTING PRINCIPLES

This course includes the study of accounting information underlying financial reporting of organizations to internal users. Topics covered include product and process costing, cost systems, cost terminology and cost behavior. The focus is placed on management use of accounting information in production, merchandising and service decision-making. Prerequisite: "C" or better in ACCT 201. **Three credit 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 42 credit hours and ECON 101 or ECON 201 or ECON 202 with a "C" or better. **Three credit 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. **Three credit 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 42 credit hours, completion of ECON 101 or ECON 201 or ECON 202 with a "C" or better. **Three credit 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. **Three credit 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 42 credit hours, completion of ECON 101 or ECON 201 or ECON 202 with a "C" or better. **Three credit 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. **Three credit hours.**

ACCT 352.COMMERCIAL LAW

This course studies contracts, commercial papers, agencies, 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: “C” or better in BA 251. For business majors additional prerequisites include completion of 42 credit hours and ACCT 201 with a “C” or better. **Three credit hours.**

ACCT 369.SPECIAL TOPICS IN ACCOUNTING

This elective course allows for the study of various accounting topics that 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 credit hours must be the same. Prerequisite: Instructor permission. For business majors additional prerequisites include completion of 42 credit hours and completion of ACCT 201 with a “C” or better. **One to six credit 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. Co-requisite: “C” or better in ACCT 302. **Three credit 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. Co-requisites: “C” or better in both ACCT 302 and BA 304. **Three credit hours.**

ACCT 490.ACCOUNTING INTERNSHIP

This course provides practical experience in the accounting field through an approved agency or business under the supervision of professional employees and the course instructor. A maximum of 6 credit hours may be taken and used as a business elective, accounting emphasis elective, or general elective. Internship is dependent upon position availability. Prerequisites: Instructor permission, and junior or senior status and “C” or better in ACCT 201, ACCT 202, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **One to six credit 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 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. 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, and instructor permission. **One to six credit 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 and Social Perspectives) **Three credit 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 credit 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 – Humanities and Fine Arts) **Three credit hours.**

ART 102.INTRODUCTION TO ART SPECIAL TOPICS

This course will engage non-art major students in activities and/or lectures that introduce art and/or design concepts, techniques, and processes from a variety of cultures, artistic styles, and art media. The special topic will be announced in advance. (General Education – Humanities and Fine Art) **Three credit 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 credit 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 credit hours.**

ART 105.TWO-DIMENSIONAL COMPOSITION

This course is an introduction to the visual organization of 2-dimensional space with a focus on the elements and principles of design. This course should be taken in the freshman year. Two three-hour labs. **Three credit hours.**

ART 106.THREE-DIMENSIONAL COMPOSITION

This course is an introduction to the visual organization of 3-dimensional space with a continued focus on the elements and principles of design. This course should be taken in the freshman year. Two three-hour labs. Prerequisite: ART 105. **Three credit hours.**

ART 111.ART HISTORY SURVEY I

This course introduces the history of Western art with a focus on ancient civilizations such as Egypt, Greece, and Rome, as well as the study of art imagery from the earliest religions. Art works or sites representative of these periods will be considered in their physical, historical, and social contexts. Emphasis will be placed on both visual analysis (honing the student's descriptive, analytical, and interpretive skills) and contextual history. **Three credit hours.**

ART 112.ART HISTORY SURVEY II

This course will continue the study of the history of Western art with a focus on artwork from the Renaissance through the origins of Modernism. Art works or sites representative of these periods will be considered in their physical, historical, and social contexts. Emphasis will be placed on both visual analysis (honing the student's descriptive, analytical, and interpretive skills) and contextual history. Prerequisite: ART 111. **Three credit 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 instructor permission. Two three-hour labs or three two-hour labs. **Three credit 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 printmaking, 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 credit hours.**

ART 204.GRAPHIC DESIGN I

This course is an Introduction to computer imaging for graphic design applications and emphasizes studio lab experiences using graphic design industry standard software, including Adobe Photoshop, Illustrator, and InDesign. Cross-listed with DES 203. Prerequisites: ART 103, ART 104, ART 105, and 106, or instructor permission. **Three credit hours.**

ART 205.PAINTING I

Students will learn basic approaches to painting including color theory and interaction of materials, use of tools and expression. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Two three-hour labs or three two-hour labs. **Three credit hours.**

ART 206.PRINTMAKING I

This course covers the basic materials and methods of printmaking techniques, including relief, intaglio, collagraph, and silkscreen. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Two three-hour labs or three two-hour labs. **Three credit hours.**

ART 207.CERAMICS I

This course is an introduction to ceramic design. Students will focus on various handbuilding techniques for construction of both functional and sculptural forms. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Two three-hour labs or three two-hour labs. **Three credit hours.**

ART 298.PROFESSIONAL PRACTICES I

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 298 should be taken during the sophomore year. Graded pass/fail. **Zero credit hours.**

ART 299.PROFESSIONAL PRACTICES II

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 299 should be taken during the sophomore year. Graded pass/fail. **Zero credit hours.**

ART 302.SCULPTURE II

This course covers the development of contemporary sculptural techniques and processes with emphasis on sculptural exhibition. Prerequisite: ART 202 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 303.PHOTOGRAPHY II

This course expands upon the topics covered in ART 203 – including digital printing, lighting controls, imaging software skills, the creative process, medium format photography, film scanning, and portfolio presentation. A photographic themed project will be produced for the final project. An SLR digital camera with manual controls is required. Prerequisite: ART 203 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 305.PAINTING II

This course covers exploration and development of color relationships and compositional forms. Prerequisite: ART 205 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 306.PRINTMAKING II

This course covers further exploration of materials and methods of printmaking and personal expression. The course may be repeated for additional credit. Prerequisites: ART 206 or instructor permission. Requires six hours of lab. **Three credit hours.**

ART 307.CERAMICS II

This course introduces students to wheel thrown pottery and with skill development in clay building techniques and surface design. Prerequisite: ART 207 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 312.ISLAMIC ART AND CULTURE

This course examines the 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 as the Ka'ba in Mecca and the Dome of the Rock in Jerusalem will be covered. 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. **Three credit hours.**

ART 314.ASIAN ART HISTORY

This course is a survey of the art and culture of China, Japan, Korea, and India. Junior/senior status recommended. **Three credit hours.**

ART 315.HISTORY OF PHOTOGRAPHY

This course examines the role of photography has played reflecting and shaping culture from its emergence in the 19th century to the digital revolution currently underway. It emphasizes what it means to photograph, to be photographed, and to view photographers as part of an audience. Although the focus is on photography as a fine art and its relationship to the other arts, topics include documentary photography and photojournalism, fashion portraiture, and the use of photography in mass media. Prerequisite: ART 111 and ART 112, or instructor permission. **Three credit hours.**

ART 316.HISTORY OF AMERICAN ART

This course is a survey of the history of art in America from the age of Columbus to modern times. The history will include painting, sculpture, architecture, and printmaking. Prerequisite: ART 111 and ART 112, or instructor permission. **Three credit hours.**

ART 317.GLOBAL CONTEMPORARY ART

This course will survey contemporary art (defined as art of the last 40 years) from a global perspective. During the historical period surveyed in this course, the barriers of national boundaries and geographic distances have become increasingly diminished. Many contemporary artists work and exhibit internationally, often maintaining studios on several continents simultaneously. The works these artists produce are exhibited in international venues of art fairs and biennial/triennial exhibitions. Particular emphasis will be placed on artists from Asia, Africa, and Latin America. Prerequisites: ART 111 and ART 112, or instructor permission. Junior/senior status recommended. **Three credit hours.**

ART 318.ORIGINS OF MODERNISM

This course surveys European and American art from c.1840 to c.1890, with the inclusion of comparative examples of global contemporary art. A major focus of the course is the genesis of the idea of “modernism.” Emphasis is placed on how artists developed new conceptions of the social purpose of their art, as well as ways in which artist identity was manifested in specific technical practices. Students are encouraged to consider how the works of early-modernist artists might be models of creativity in the present. Prerequisites: ART 111 and ART 112, or instructor permission. **Three credit hours.**

ART 319.MODERNISM

This course surveys European and American art from c.1890 to c.1940, with the inclusion of comparative examples of global contemporary art. A major focus of this course will be the key developments in early 20th century art with an emphasis placed on the relationships between artistic developments. Topics such as the Cubist dissection of pictorial space, the development of abstraction, and then-contemporary philosophical, historical, social, and technological issues will be explored. Prerequisites: ART 111 and ART 112, or instructor permission. **Three credit hours.**

ART 320.INVESTIGATION OF LINE

This course is designed to further develop skills in idea generation and new approaches to materials and media. The course focuses on line in both 2D and 3D applications and creative problem solving. The course may be repeated for additional credit. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Requires six hours of lab. **Three credit hours.**

ART 321.THE PHOTOGRAPHIC PORTRAIT

This course is designed to provide students experiences in identifying the characteristics of a successful portrait. This advanced-level course explores the art of the photographic portrait. Contemporary, traditional, and interpretive portrait styles will be addressed along with creative lighting techniques specific to studio and location settings. Additional topics include business practices, retouching, presentation, marketing, networking, and studio management. Students will learn to create, choose, sequence, and prepare images for class discussion, digital projection, and exhibition. Prerequisite: Art 203 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 322.LANDSCAPE PHOTOGRAPHY

This course focuses on various philosophical, aesthetic, and technical approaches to photographing the contemporary landscape. Through guided field trips, personal assignments, supervised lab work, and critiques, students will increase their awareness of the landscape and how they interpret the natural world. Additional topics

include business practices, gallery representation, marketing, networking, and image management. Students will learn to create, choose, sequence, and prepare images for class discussion, digital projection, and exhibition. Prerequisite: Art 203 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 323.DOCUMENTARY PHOTOGRAPHY

This course focuses on various philosophical, aesthetic, and technical approaches to photographing and documenting environments. Through assignments, guided field trips, personal assignments, supervised lab work, and critiques, students will increase their awareness of the landscape, social environments, and cultural issues. Students will learn to create, choose, sequence, and prepare images for class discussion, digital projection, and exhibition. Prerequisite: Art 203 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 324.POSTWAR ART

This course surveys American and European art from c.1940 to c.1980, with the inclusion of comparative examples of global contemporary art. A major focus of this course will be the changes in the visual arts from the concept of the “avant-garde” to the conception of an artist as a cultural creator. While exploring movements such as Abstract Expressionism, Minimalism, and Pop Art, students are encouraged to consider how their own artistic practice contributes to the shaping of cultural environment, as well as the social responsibility attached to that practice. Prerequisites: ART 111 and ART 112, or instructor permission. **Three credit 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 instructor permission. **Three credit hours.**

ART 352.TRAVEL STUDIO RESPONSE

This course is a studio response to participation in a summer study tour. Students will use studio time to create artwork inspired by the study tour to be included in a final exhibit. Study tour locations change annually and are announced prior to early registration. This course may be repeated for elective credit as the study tour location changes. Prerequisite: ART 103, ART 104, ART 105, and ART 106, or instructor permission. **Three credit hours.**

ART 371.SPECIAL TOPICS IN ART HISTORY

The special topics in art history are to be announced by the department. The courses are not sequential and may be repeated for additional credit as the topic changes. Prerequisites: ART 111 and ART 112, or instructor permission. **Three credit hours.**

ART 372.TRAVEL RELATED ART HISTORY

This course is a special topics art history course related to a Lander Study Tour. Study Tour locations change annually and are announced prior to early registration. This course may be repeated for elective credit as the study tour location changes. Prerequisites: ART103, ART 104, ART 105, and ART 106, or instructor permission. **Three credit hours.**

ART 398.PROFESSIONAL PRACTICES III

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 398 should be taken during the junior year. Graded pass/fail. **Zero credit hours.**

ART 399.PROFESSIONAL PRACTICES IV

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 399 should be taken during the junior year. Graded pass/fail. **Zero credit hours.**

ART 402.SCULPTURE III

This course provides further exploration and development in sculpture with emphasis on conceptual development and public art installations. Prerequisite: ART 302 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 403.PHOTOGRAPHY III

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. An SLR digital camera with manual controls is required. Prerequisite: ART 303 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 405.PAINTING III

This course continues the exploration and the development of visual relationships, painting technique, and compositional forms as they relate to contemporary painting. It includes an increased emphasis on conceptual development and alternative image-making strategies. Prerequisite: ART 305 or instructor permission. Two three-hour labs. **Three credit 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 instructor permission. Two three-hour labs or three two-hour labs. **Three credit hours.**

ART 407.CERAMICS III

This course continues a focus on more advanced wheel thrown forms and/or hand built forms, surface, and firing processes. Prerequisites: ART 207 and ART 307, or instructor permission. Two three-hour labs. **Three credit hours.**

ART 410.SENIOR STUDIO

Student will do independent work on special projects approved by studio advisor. Course is repeatable to a total of 6 hours. Course is to be taken by Bachelor of Fine Arts degree candidates in their senior year or by instructor permission. Prerequisites: Senior standing; 12 hours of 300-level and/or 400-level coursework in 2D or 3D and instructor permission. Six contact hours. **Three credit hours.**

ART 422.ADVANCED SCULPTURE STUDIO I

This course continues the exploration and development in sculpture with emphasis on conceptual development and public art installations. Prerequisite: ART 402 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 423.ADVANCED PHOTOGRAPHY STUDIO I

This course is a continuation of 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. An SLR digital camera with manual controls is required. Prerequisite: ART 403 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 425.ADVANCED PAINTING STUDIO I

This course continues the exploration and the development of visual relationships, painting technique, and compositional forms as they relate to contemporary painting. It includes an increased emphasis on conceptual development and alternative image-making strategies. Prerequisite: ART 405 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 427.ADVANCED CERAMICS STUDIO I

This course continues a focus on more advanced wheel thrown forms and/or hand built forms, surface, and firing processes. Prerequisite: ART 407 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 432.ADVANCED SCULPTURE STUDIO II

This course continues the exploration and development in sculpture with emphasis on conceptual development and public art installations. Prerequisite: ART 422 or instructor permission. ART 432 may be repeated for additional credit. Two three-hour labs. **Three credit hours.**

ART 433.ADVANCED PHOTOGRAPHY STUDIO II

This course continues the identification of 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. An SLR digital camera with manual controls is required. May be repeated for additional credit. Prerequisite: ART 423 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 435.ADVANCED PAINTING STUDIO II

This course continues the exploration and the development of visual relationships, painting technique, and compositional forms as they relate to contemporary painting. It includes an increased emphasis on conceptual development and alternative image-making strategies. May be repeated for additional credit. Prerequisite: ART 425 or instructor permission. Two three-hour labs. **Three credit hours.**

ART 437.ADVANCED CERAMICS STUDIO II

This course continues a focus on more advanced wheel thrown forms and/or hand built forms, surface, and firing processes. May be repeated for additional credit. Prerequisite: ART 427 or instructor permission. Two three-hour labs. **Three credit 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 credit hours.**

ART 498.PROFESSIONAL PRACTICES V

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 498 should be taken the first semester of the senior year. Graded pass/fail. **Zero credit hours.**

ART 499.PROFESSIONAL PRACTICES VI

This capstone course covers professional practices in visual art to assure that graduates are prepared for a career in the creative economy. Students prepare a presentation of business content and participate in a senior art exhibition and other exit assessments. The course will be taken the final semester of the senior year. **Three credit hours.**

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 credit hours.**

ARTE 301.ELEMENTARY TEACHING PRACTICES FOR ART

This course explores the methods and materials that are suitable for the elementary art classroom. Assignments include designing lessons and assessments, exploring best practices for technology integration, and investigating strategies for ensuring inclusive classrooms. Co-requisite: EDUC 329. Three credit hours.

ARTE 451.SECONDARY TEACHING PRACTICES FOR ART

This course explores methods and materials that are suitable for middle and high school art classrooms. Assignments include designing units and assessments, exploring best practices for technology integration, and creating plans for effective program management. Co-requisite: EDUC 429. **Three credit hours.**

ASTRONOMY

ASTR 101.SURVEY OF ASTRONOMY

This course introduces the fundamental topics of astronomy for non-science majors and is not based on observation. Topics include the solar system, stars, galaxies, cosmology, and new discoveries in astronomy. Either ASTR 101 or ASTR 111 can be taken for degree credit, but both cannot be counted. Three hours lecture weekly (General Education – Scientific and Mathematical Reasoning, non-laboratory science course). **Three credit hours.**

ASTR 111.INTRODUCTION TO ASTRONOMY

This course is an introduction to the fundamental topics of astronomy for non-science majors. Topics will include solar system, stars, galaxies, cosmology, and new discoveries in astronomy. Three hours lecture weekly, three hours lab weekly. (General Education – Scientific and Mathematical Reasoning and General Education Elective) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit 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. Prerequisite or co-requisite: MATH 121, MATH 123, or MATH 141. (General Education – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit 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 credit 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 credit hours.**

BIOL 204.MICROBIOLOGY

This course is 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. Prerequisites: “C” or better in BIOL 202-203. **Four credit 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 credit 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 credit 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: Instructor permission. **One to four credit hours.**

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 credit 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 credit 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 credit 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 "C" or better for either BIOL 213, 214, 303 or GEOL 111. **Four credit 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 credit 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 credit 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 credit 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 credit 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 instructor permission. **Four credit hours.**

BIOL 321.FOUNDATIONS OF MEDICINE

This course reviews and helps the student organize the foundational concepts needed to enter medical school. 1. Knowledge of scientific concepts and principles. 2. Scientific reasoning and problem solving. 3. Reasoning about the design and execution of research. 4. Data-based and statistical reasoning. Students will be required to take two practice MCAT exams, one near the beginning of the course and one near the end of the course, to evaluate their understanding of the foundational concepts. Because these exams range from six to eight hours, these will generally

be scheduled on a Saturday or Sunday. Prerequisites: "C" or better in CHEM 221 and PHYS 201 and instructor permission. **Three credit 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: "C" or better in BIOL 299 and "C" or better for either BIOL 213, BIOL 214, or BIOL 303. **One credit 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 credit 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 303. **Four credit hours.**

BIOL 406, 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. **Zero to four credit 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 credit 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 credit hours.**

BIOL 421.GENERAL MICROBIOLOGY

Using examples from bacteria, protozoa, fungi, and viruses, the following concepts will be emphasized: evolution, microbial structures and 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 instructor permission. **Four credit 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 and serological techniques. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221, "C" or better in BIOL 299 and BIOL 303, or instructor permission. **Four credit hours.**

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: Instructor permission. **One to four credit 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. Credit hours awarded are determined on a case-by-case basis by the Department Chair and Biology Internship Coordinator and in accord with university policy. Course grade will be determined based on the written evaluations by the field supervisor and written report rendered by the student. This course cannot be used to satisfy the biology elective requirements for the biology major or biology minor. 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 credit hours.**

BIOL 498.SENIOR SEMINAR IN GENETICS

In this course, students examine the current research in genetics. It may include reading and analysis of research papers, research seminars presented by students or by invited guest geneticists. It cannot be used to satisfy the biology elective requirements for the biology major or biology minor. Graded pass/fail. Prerequisites: "C" or better in BIOL 312, and senior class standing. **One credit 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: Instructor permission. **One credit hour.**

BIOM 111. HUMAN BIOLOGY

This is the first course of a two-semester introduction to medical biology. This course explores the biology of what it is to be human—the origins of human variation, inheritance in humans, the evolution of the human species, and population genetics. The course will also examine how the human body works, homeostasis, biological dysfunction, and compensation to change. Three hours lecture, three hours laboratory weekly. **Four credit hours.**

BIOM 195.FRESHMAN SEMINAR IN MEDICAL BIOLOGY

This is the first course in a four-course series that introduces students to careers in health care fields. The American health care system is introduced and an explanation of the requirements to work in health care are discussed. Course work includes completion of a personal statement of why students want to work in the health care field. Basic interview skills required for admission into professional school will be also be presented. Prerequisites: Freshman status as a Medical Biology major. **One credit hour.**

BIOM 295.SOPHOMORE SEMINAR IN MEDICAL BIOLOGY

This is the second course in a four-course series that introduces students to careers in health care fields Building on prior coursework, additional complexities of the American health care system will be examined. Best practices for submitting applications for entry in the health care fields and interviewing skills will be practiced. Reading and interpreting clinical research and scientific primary literature will be introduced. Prerequisites: Sophomore status as a Medical Biology major and "C" or better in BIOM 195. **One credit hour.**

BIOM 320.BIOMEDICAL STATISTICS

This course introduces concepts for the interpretation, evaluation, and communication of biomedical research and provides the framework to rigorously analyze data. The application of statistics to biomedical sciences, including clinical trials, epidemiology, and genomics is emphasized. Topics include biomedical study design, randomization, graphical data displays, control bias, variability, interactions, and ethics of human experimentation. Prerequisite: a "C" or better in MATH 211. **Three credit hours.**

BIOM 321.FOUNDATIONAL CONCEPTS FOR ADMISSION TO MEDICAL SCHOOL

This course reinforces the scientific reasoning and analytical skills necessary for successful admission to medical school. Students are required to take two practice MCAT exams, one near the beginning of the course and one near the end of the course, to evaluate their understanding of the foundational concepts. Because these exams range from six to eight hours to complete, they are typically scheduled on a Saturday or Sunday. Prerequisites: "C" or better in CHEM 221 and PHYS 201 and permission of instructor. **Three credit hours.**

BIOM 395.JUNIOR SEMINAR IN MEDICAL BIOLOGY

This is the third course in a four-course series introducing students to careers in health care fields. The specific requirements and skills necessary for the student's chosen field in health care will be identified and discussed. The skills necessary for communicating with people from diverse backgrounds and with research and medical professionals will be addressed and the ethical principles of health care are introduced. Prerequisites: Junior status as a Medical Biology major and "C" or better in BIOM 295. **One credit hour.**

BIOM 499. SENIOR CAPSTONE SEMINAR IN MEDICAL BIOLOGY

This is the final course in a four course series designed to prepare students for careers in health care fields and it will be taken during a student's final semester in the program. It will include an oral and written presentation of a faculty approved literature-based research topic in health care, which will represent a culmination of biological and communication skills. Prerequisites: Graduating semester status and "C" or better in BIOM 395. **One credit 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. **Three credit 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 credit hours.**

BA 250.BUSINESS ANALYSIS USING SPREADSHEETS

This hands-on class uses spreadsheet technology to do basic and advanced business analysis. The class will teach students spreadsheet basics and advanced techniques that support business decision making in all disciplines. Specific topics are basic spreadsheet operations, creating pivot tables and charts, using what-if analysis tools, and steps on how to create well-designed, readable reports. **Three credit 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 credit 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. **One credit hour.**

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. Prerequisites: "C" or better in ACCT 201, BA 101, ECON 101 or ECON 201 or ECON 202, and MATH 211 or BA 225. For business majors additional prerequisite includes completion of 42 credit hours. **Three credit 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. Prerequisites: "C" or better ACCT 201, BA 226, ECON 101 or ECON 201 or ECON 202, and MATH 211 or BA 225. For business majors additional prerequisite includes completion of 42 credit hours. **Three credit hours.**

BA 351.BUSINESS ETHICS

This course provides 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. Prerequisites: Junior or senior

status, “C” or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non business majors, instructor permission. **Three credit hours.**

BA 360.ORGANIZATIONAL FUNDRAISING

This course examines the key elements within developing and leading a portfolio of actions in order to raise revenue for existing or new organizational initiatives. Examples of organizational fundraising topics include capital campaigns, annual giving, establishment of organization foundations, major gifts-in-kind, technology-enabled fundraising, prospect research, fundraising management, and strategic planning. **Three credit hours.**

BA 369.SPECIAL TOPICS IN BUSINESS

This course allows for the study of business topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different. To repeat the course to improve a grade, the topic must be the same. Prerequisites: “C” or better ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. **Three credit 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. Prerequisite: Junior or senior status. **Three credit 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. Pre-requisites: “C” or better in BA 299 and junior status. **One credit hour.**

BA 414.BUSINESS STRATEGY

This capstone course focuses on 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: Senior status, “C” or better in BA 304, FINA 301, and MKT 201; co-requisites: BA 325 and MGMT 330. **Three credit hours.**

BA 490.BUSINESS INTERNSHIP

This course will provide practical experience in a business-related field through an approved agency or business under the supervision of professional employees and the course instructor. The course may be taken for a maximum of six hours and used as a business elective or general elective. Internship is dependent upon position availability. Prerequisites: Instructor permission, and junior or senior status, and “C” or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **One to six credit 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 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. This course may be taken for additional credit for a maximum of six hours; only three hours may be used as an elective. Internships are dependent upon availability of positions. Prerequisites: BA 490, senior status in the major, and instructor permission. **One to six credit hours.**

BA 499.PROFESSIONAL DEVELOPMENT III

This is a seminar course that builds on BA 399 and reinforces professional knowledge, skills, and abilities that are important to success in any business career. Topics include business etiquette, job search strategies, communication packages, and interviewing. Prerequisite: “C” or better in BA 399 and senior status; co-requisite: BA 414. **One credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit hour.**

CHEMISTRY

CHEM 101.INTRODUCTION TO CRIMINALISTICS

Students will learn how science aids the criminal 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. (General Education – Science and Mathematical Reasoning non-laboratory science) **Three credit hours.**

CHEM 103.CONSUMER CHEMISTRY

A basic course for non-science majors that 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 – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit hours per course.**

CHEM 197.SCIENTIFIC COMMUNICATIONS I

This course is 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 credit hour.**

CHEM 198.SCIENTIFIC COMMUNICATIONS II

This course is a study of all aspects of technical communications in both academic and professional contexts. Emphasis is placed on how to interpret and produce evidence based arguments in written media. One hour lecture weekly. **One credit hour.**

CHEM 199.SCIENTIFIC COMMUNICATIONS III

This course is 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 credit 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 that 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 credit 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. CHEM 221 is a prerequisite for CHEM 222. **Four credit 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 credit hours.**

CHEM 301.BIOCHEMISTRY

This course examines fundamental concepts in biochemistry focused on 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: "C" or better in CHEM 221. **Three credit hours.**

CHEM 311.INTERMEDIATE ORGANIC CHEMISTRY

This course is an intermediate treatment of various organic reactions and includes extending and reinforcing the principles and concepts of organic chemistry introduced in CHEM 221 and CHEM 222, specifically functional groups, nomenclature, stereochemistry, polymers, reactions, synthesis, and mechanisms. Three hours lecture weekly. Prerequisite: "C" or better in CHEM 222. **Three credit 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 credit 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 112. **Four credit hours.**

CHEM 341.INORGANIC CHEMISTRY

This course is a study of the principles underlying the structure, occurrence, and synthesis of inorganic substances. Topics covered include: atomic and molecular structure, periodic relationships, chemical bonding, molecular symmetry, chemistry and the structure of non-transition elements, chemistry and the structure of transition elements, and modern experimental methods in inorganic chemistry. Three hours lecture and three hours laboratory weekly. Prerequisites: CHEM 222, CHEM 331. **Four credit hours.**

CHEM 351.MASS AND ENERGY BALANCES

This course is an introduction to fundamental concepts of chemical engineering, including mass and energy balances, PVT relationships for gases and vapors, and elementary phase equilibria; problem-solving and computer skills are developed in the lab. Three hours lecture, two hours laboratory weekly. Prerequisites: CHEM 112, PHYS 212, MATH 142. **Four credit 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 112. Three hours lecture weekly. **Three credit hours.**

CHEM 381.CULTURAL PERSPECTIVES OF POLLUTION

In this course, the science of pollution will be reviewed in order to reveal its causes and effects. The course will examine how cultures other than our own regard and respond to pollution. Students will develop a critical understanding of these relationships as they study several developing areas of the world. Awareness of various cultural perspectives is essential for an accurate comprehension of the impacts of pollution, as well for an understanding of what is possible in the way of adaptation and mitigation solutions to the challenge. (General Education – World Cultures) **Three credit 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 credit hours toward degree requirements.) **One to four credit 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 credit hours per course.**

CHEM 406, 407, 408, 409, 410. RESEARCH

These courses include research on special topics for juniors and seniors in Chemistry. The courses are limited to a maximum of four credit hours toward major requirements and are offered on demand to qualified students. These courses are not sequential. Prerequisites: A minimum GPA of 3.0 is required along with instructor permission. **Zero to four credit 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 credit hours.**

CHEM 490.INTERNSHIP IN CHEMISTRY

This course gives students practical experience in an approved chemistry-related work situation. The experience will be supervised by a member of the chemistry faculty. The student will be required to maintain a journal of experiences and will submit it and 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 related to this course. A minimum of 3 hour per week of on-the-job experience for at least 11 weeks is required for each hour of credit earned in the course. This course may be repeated for a maximum of 12 credit hours. The prerequisites: CHEM 112 and instructor permission. Graded pass/fail. **One to twelve credit hours.**

COLLEGE SEMINAR

CSEM 101.COLLEGE SEMINAR

College Seminar is 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 credit 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 credit 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 credit hours.**

CIS 120.FUNDAMENTALS OF INFORMATION SYSTEMS AND INFORMATION TECHNOLOGY

This course introduces students to information systems and information technology. Topics will include the overview of computer hardware and software, management information systems, computer networking, organization and management of data, decision making, careers, and professional ethics. **Three credit hours.**

CIS 130.PROBLEM SOLVING AND PROGRAMMING METHODS

This course introduces problem-solving and computational thinking. Topics include syntax, data types, stepwise refinement, and structured and modular design methods. Course environment will be both lecture and lab. Prerequisite or co-requisite: One of the following: MATH 114, MATH 121, MATH 123, MATH 141, or MATH 211. **Four credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit hours.**

CIS 260.NETWORK AND SYSTEM ADMINISTRATION

This course introduces concepts essential to the administration of operating systems and networks. Topics explored 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. **Three credit hours.**

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 credit 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 credit 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 credit 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 instructor permission. **Three credit 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 credit 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 credit 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 credit hours.**

CIS 343.COMPUTER FORENSICS

Computer devices retain far more information than 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 credit 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 credit 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 credit hours.**

CIS 346. CYBERSECURITY PLANNING AND MANAGEMENT

This course provides a holistic view of procedures and processes for planning and management of cybersecurity operations in an organization. Topics such as laws and ethics pertaining to information systems security, risk assessment and management, identifying needs for security functions, understanding strengths and weaknesses of available security solutions, developing information security policies, developing plans for the protection and access control of intellectual assets, outlining roles of personnel in planning, managing, and maintaining information security, and developing contingency plans for business continuity, disaster recovery, and incident response after a security violation has occurred will be included. Prerequisite: "C" or better in CIS 243. **Three credit 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 credit 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, Instructor permission. **One to three credit hours.**

CIS 406, 407, 408, 409, 410.CIS RESEARCH

These courses involve research on special topics for juniors and seniors majoring in Computer Information Systems. The courses are limited to a maximum of four credit hours toward major requirements and are offered on demand to qualified students. Students are required to communicate the results of their coursework at an appropriate off-campus venue. These courses are not sequential. Prerequisites: A minimum GPA of 3.0 is required along with the instructor permission. *Zero to four credit 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 credit hours toward degree requirements. Offered on demand. *Four credit 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 instructor permission. *Three credit 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 instructor permission. *One to three credit hours.*

CIS 449.CYBERSECURITY CAPSTONE

In this capstone course, students conduct research, and design and implement comprehensive cybersecurity projects in a group environment. An oral defense before an audience of students and faculty is required, and faculty will review a project portfolio. Prerequisite: Instructor permission. *Three credit hours.*

CIS 490.INTERNSHIP IN COMPUTER INFORMATION SYSTEMS

This course is 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 will be determined on a case-by-case basis by the Department Chair and the Computer Information Systems faculty. The course is repeatable for additional credit, but is limited to a maximum of twelve credit hours toward degree credit. Prerequisites: "C" or better in both CIS 231 and CIS 321. *One to twelve credit 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 credit 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 credit 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 credit hour.

COOP 282.COOPERATIVE EDUCATION

Two credit 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.**

CRIMINOLOGY

CRIM 101.INTRODUCTION TO CRIMINOLOGY AND CRIMINAL JUSTICE

This course is an introduction to the discipline of criminology and 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 and Social Perspectives) **Three credit hours.**

CRIM 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 the emergence and development of prisons and jails, probation, parole, and community-based corrections. Prerequisites: CRIM 101 or CJ 101, POLS 101, and SOCI 101. **Three credit hours.**

CRIM 214.AMERICAN CRIMINAL JUSTICE SYSTEM

This course examines law enforcement systems and the practice of courts, police discretion, and the methods of dealing with suspects. Emphasis on criminal justice processes and the implication of criminal law in American society. Prerequisites: CRIM 101 or CJ 101, POLS 101, and SOCI 101. **Three credit hours.**

CRIM 221.UNDERGRADUATE RESEARCH IN CRIMINOLOGY

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research changes. Prerequisite: Instructor permission. Graded pass/fail. **One credit hour.**

CRIM 235.HUMAN TRAFFICKING

This course explores the global phenomenon of human trafficking. The history of human exploitation and the social factors which contribute to this phenomenon are presented. The major forms of human trafficking are defined and discussed along with legislative efforts to address the issue. Prerequisites: CRIM 101, SOCI 101, POLS 101, and either PSYC 101 or PSYC 102. **Three credit hours.**

CRIM 298.INTRODUCTION TO RESEARCH METHODS

This course introduces research in criminology and criminal justice, rules and limitations of scientific methodology, formulation of research questions, and research design. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, or approval of the department chair. **Three credit hours.**

CRIM 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. Prerequisites: CRIM 101 or CJ 101, POLS 101, and SOCI 101. **Three credit hours.**

CRIM 271.TOPICS IN CRIMINOLOGY AND CRIMINAL JUSTICE

This course provides exploration of topics and issues not currently included in the criminology curriculum. This course is designed as an experimental course covering in-depth studies of interest. It may be taken for additional credit as the topic changes. Prerequisites: CRIM 101 or CJ 101, and POLS 101, and SOCI 101, or departmental approval. **One to three credit hours.**

CRIM 307.JUVENILES AND CRIMINAL LAW

This course addresses the laws, court system, and correctional institutions that deal with the special characteristics of the juvenile population. Prerequisites: CRIM 101, SOCI 101, POLS 101, and either PSYC 101 or PSYC 102, and 6 additional hours of CRIM courses. **Three credit hours.**

CRIM 328.VICTIMOLOGY

This course examines of criminal victimization in conjunction theory and research. It also covers the patterns related to specific types of victimization. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses, or approval of the department chair. **Three credit hours.**

CRIM 345.CRIMINAL JUSTICE AND MENTAL HEALTH

This course examines the intersection of mental health and the criminal justice system. Particular emphasis is placed on the deinstitutionalization movement that has shifted the mentally ill away from hospitals and into correctional

facilities. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses, or approval of the department chair. **Three credit hours.**

CRIM 350.ETHICS IN CRIMINOLOGY AND CRIMINAL JUSTICE

This course addresses current and future ethical and moral issues facing criminology and criminal justice. It includes exploration of how these issues are influenced by political and social policies as well as personal values. Prerequisites: CRIM 101 or CJ 101 and 3 additional hours of CRIM or CJ coursework. **Three credit hours.**

CRIM 366.RACE AND ETHNICITY IN CRIMINAL JUSTICE

This course examines the history of Jim Crow laws in shaping the criminal justice system as well as current laws that impact civil rights and civil liberties. This course examines these issues at both the U.S. federal and state levels. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses. **Three credit hours.**

CRIM 371.SPECIAL TOPICS IN CRIMINOLOGY AND CRIMINAL JUSTICE

This course is an exploration of topics and issues not currently included in the criminology curriculum. This course explores emergent areas within criminology as informed by theory. It may be taken for additional credit as the topic changes. Prerequisites: CRIM 101 or CJ 101, and POLS 101, and SOCI 101, or departmental approval. **One to three credit hours.**

CRIM 386.VULNERABLE POPULATIONS IN CRIMINAL JUSTICE

This course examines vulnerable populations in the United States criminal justice system. The specific needs of each population are addressed in addition to the legal and ethical issues related to their treatment within the criminal justice system. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses, or approval of the department chair. **Three credit hours.**

CRIM 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 the topic changes. Prerequisites: CRIM 101 or CJ 101 and 3 additional hours of CRIM or CJ coursework. **Three credit hours.**

CRIM 399.CRIMINOLOGICAL THEORY

This course explores classical through contemporary criminological theory. Areas of exploration include, but are not limited to rational choice, biosocial, cultural, control, critical, interactionist, green, and cyber theories. Prerequisites: CRIM 101, SOCI 101, and 6 additional credit hours of CRIM courses. **Three credit hours.**

CRIM 407, 408, 409.RESEARCH IN CRIMINOLOGY

These courses involve students engaging in a student-directed research project on a topic of criminological interest and are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in Criminology (CRIM 407, CRIM 408, or CRIM 409) toward major requirements. Prerequisite: Instructor permission. **One to three credit hours.**

CRIM 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 will be the application of selected concepts. This course is intended as a professionalization experience for students in the Criminology program. This course may be repeated for additional credit hours with approval of the department chair. Prerequisites: "C" or better in SOCI 398 and a Lander GPA of at least 2.0. Graded pass/fail. **Three to nine credit hours.**

CRIM 499.CAPSTONE EXPERIENCE

This course provides an opportunity for students to synthesize the knowledge they have learned as a criminology major, examine the role of criminology and criminologists in society today, and learn strategies for putting a criminology degree to work in a post-collegiate context. Prerequisite: Successful completion of 12 hours of CRIM courses and a "C" or better in SOCI 398. **Three credit hours.**

DATA SCIENCE

DSCI 130.INTRODUCTION TO DATA SCIENCE

This course introduces data science history, fundamental data concepts, principles, problem definitions, algorithms, processes for extracting patterns, and legal and privacy issues. Data mining and machine learning concepts and software are also introduced. **Three credit hours.**

DSCI 230.INTRODUCTION TO DATA SCIENCE PROGRAMMING

This course introduces fundamental programming techniques for data science such as loading, cleaning, transforming, merging, and reshaping data. Data types, building a data pipeline for simple predictions, and the analysis and manipulation of time series data are also discussed. Prerequisites: DSCI 130. **Four credit hours.**

DSCI 231.DATA VISUALIZATION

This course introduces methods and software tools for the visual representation of data. It introduces visual techniques for summarizing data and for exploratory data analysis. Students will complete a data visualization project and presentation. Prerequisites: DSCI 230 and MATH 211. **Three credit hours.**

DSCI 330.BIG DATA ANALYSIS

This course covers advanced tools for big data analysis including unstructured databases and data management platforms. It provides an overview of the architectural components and programming models used for scalable big data analysis. Students will identify and examine real world big data problems and recast these in ways that can be addressed with data science methods. Prerequisites: DSCI 230 and CIS 360. **Three credit hours.**

DSCI 340.APPLIED MACHINE LEARNING

This course focuses on the application of machine learning algorithms applied to very large structured datasets. Topics include data preparation, pipeline construction, machine learning models and their hyperparameters, overfitting and underfitting, regularization, performance measurement, and application development in the cloud. Prerequisites: DSCI 230 and MATH 213. **Three credit hours.**

DSCI 440.APPLIED DEEP LEARNING

This course is an applied study of algorithms and models to perform deep learning on very large unstructured datasets, such as images, and texts. Topics include artificial neural networks, deep neural networks, deep learning models and training algorithms, optimizers, preparation of training data, measuring performance, and developing applications over the cloud. Prerequisites: DSCI 230 and MATH 214. **Three credit hours.**

DSCI 499.DATA SCIENCE CAPSTONE

In this capstone course, students will complete a real-world data science project requiring the application of advanced techniques. Projects will encompass the data science curriculum and will include data acquisition, cleansing, manipulation and visualization. Data will be used to develop models to make predictions or discover pattern in order to answer questions or make decisions in real-world settings. Prerequisite: Permission of Instructor. **Three credit hours.**

DESIGN

DES 201.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 and 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. Cross-listed with ART 260. Prerequisites: ART 103, ART 104, ART 105, and ART 106 or permission of the instructor. Two three-hour labs or three two-hour labs. **Three credit hours.**

DES 203.GRAPHIC AND INTERACTIVE DESIGN I

This course is an introduction to computer imaging for graphic design applications and emphasizes studio lab experiences using graphic design industry standard software, including Adobe Photoshop, Illustrator, and InDesign. Prerequisites: ART 103, ART 104, ART 105, ART 106. **Three credit hours.**

DES 221.TYPOGRAPHY II

This course explores how to design and communicate complex information that is primarily of typographic nature. The course readings, lectures, exercises, presentations, and projects provide a framework to expand thinking and practice related to diverse forms of typographic expression. Prerequisites: DES 201 and DES 203. Two three-hour studio labs. **Three credit hours.**

DES 223.GRAPHIC AND INTERACTIVE DESIGN II

This course builds on the content of DES 203 with intermediate proficiency development of industry-standard software for graphic design and interactive design. Studio lab experiences require design software including Adobe Photoshop, Illustrator, and InDesign. Prerequisites: DES 201 and DES 203. Two three-hour studio labs. **Three credit hours.**

DES 304.LOGO AND BRANDING DESIGN

This course investigates branding and logo design and in particular how these may be utilized to effectively communicate a company's purpose statement and identity. Color theory and visual communication skills will be developed through this course. Prerequisite: DES 201 and DES 203. Two three-hour studio labs. **Three credit hours.**

DES 305. WEB DESIGN I

This course introduces web design, web terminology, including HTML language, and the artistic and practical aspects of creating effective web pages. Time spent in the design laboratory is devoted to learning about the foundations of website creation, developing a historical understanding of the evolution of the web, and conducting research on industry-standard design guidelines and trends. The course focuses on the planning, designing, and development of a unique portfolio website using the latest software. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 306.MOTION GRAPHICS

This course offers instruction in establishing motion graphics fundamentals including visual rhythm, kinetic typography, multi-planar effects, and other intermediate industry techniques. It teaches several different approaches to animation with the goal of refined movement to tell stories and deliver messages while maintaining a highly designed approach. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 307.EXPERIENCE DESIGN

This course explores designing products, processes, services, events, and environments with a focus placed on the quality of the user experience and culturally relevant solutions. Class content includes the designer's social responsibility, designing for public spaces, and recognizing and exploring commercial applications for experience design. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 308.SUSTAINABLE DESIGN

This course introduces the tools, resources, and best practices of sustainable design. Additionally, the course covers the philosophy of designing physical objects, the built environment, and services to comply with the principles of social, economic, and ecological sustainability. The technical and social innovations that are making real change possible across a variety of disciplines are explored. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 309.DIGITAL ILLUSTRATION

This course introduces digital illustration using computer tools and includes the study of illustration as visual interpretation of words, concepts, and ideas. Basic software skills and drawing abilities in a digital environment are developed. Strategies for communicating content through pictorial narrative are also explored. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 310.SOCIAL MEDIA AND NETWORKING

This course explores the possibilities and limitations of social media, and offers hands-on experience with several forms of social media technology. Course emphasis include how to use social media productively, as well as how to develop a framework for understanding and evaluating new tools and platforms. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 311.PACKAGE DESIGN

This course applies elements of graphic design to various forms of packaging. Packages are analyzed and positioned from a marketing point of view. Brand marks, visual graphics, and color schemes are developed for individual products and extended product lines. This course is geared towards those interested in product packaging and graphic design as well as those seeking to create portfolio-quality design work. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 330.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 credit hours.**

DES 350.SPECIAL TOPICS

Formal courses offered infrequently to explore in depth a comparatively narrow subject which may be topical or of special interest. This course may be repeated for additional credit as the topic changes. Prerequisites: DES 201, DES 203, DES 221, and DES 223. Two three-hour studio labs. **Three credit hours.**

DES 401.TYPOGRAPHY III

This course explores the theory and practice of letter forms and typography as they apply to graphics, advertising, and other areas of design and visual communication. Projects address principles of typography, letter structure, typeface selection, fundamentals of computer typesetting, and typographic layout. Prerequisite: DES 221. **Three credit hours.**

DES 402.PUBLICATION DESIGN

This course is a practical application of design fundamentals for single and multipage publications. Industry standard page assembly is used to create layouts for publications of all kinds. In addition to the functions of the software, topics include typography, graphics, color, aesthetic page flow, and transition design. Prerequisites: ART 203, DES 304, and DES 309. Two three-hour studio labs. **Three credit hours.**

DES 404.LOGO AND BRANDING DESIGN II

This course builds upon branding and logo design from DES 304. Students will learn how to effectively design a brand for a company that communicates that company's purpose statement and identity. Color theory and visual communication skills will be developed through this course. Prerequisite: DES 304. **Three credit hours.**

DES 405.WEB DESIGN II

This is an advanced course in web design and web-based animation with studio lab experiences using industry-standard graphic design software, including Adobe Photoshop, Illustrator, InDesign, Muse, and Animate. In addition, this course provides the practical knowledge to effectively plan, create, and deliver web interfaces for computers and mobile devices. The course includes an examination of the concepts and methodologies used in emerging mobile technologies, with an emphasis on responsive portfolio sites. Laptop with Adobe Creative Suite software is required for this course. Prerequisite: DES 305. **Three credit hours.**

DES 406.MOTION GRAPHICS II

This advanced course for motion graphics includes the categories of commercial, broadcast, title sequence, and music video. It includes lectures, demonstrations of techniques, and applications of motion graphics, with an emphasis on 3D digital media. Projects will cover design, composition, narrative, sequencing, and sound development and manipulation. Current industry standard computer applications will be introduced and applied. Prerequisite: DES 306. **Three credit hours.**

DES 407.EXPERIENCE DESIGN II

This advanced course teaches students how to design and evaluate digital interfaces (e.g., websites, software products, and mobile/tablet applications) from a user-centered perspective, with an emphasis on understanding users and their contexts and applying that knowledge to make digital tools more user-friendly and engaging. Prerequisite: DES 307. **Three credit hours.**

DES 408.SUSTAINABLE DESIGN II

A continuation of DES 308, this course will explore the tools, resources, and best practices of sustainable design. Additionally, this course covers the philosophy of designing physical objects, the built environment, and services to comply with the principles of social, economic, and ecological sustainability. The technical and social innovations that are making real change possible across a variety of disciplines will be explored. Prerequisite: DES 308. **Three credit hours.**

DES 409.DIGITAL ILLUSTRATION II

This course focuses on a challenging and expressive area of graphic design. Various styles of storyboarding will be explored. The art of narration will be explored in comics, graphic novels, and various storyboards both traditional and digital (still and animated). In this advanced digital illustration course, students will learn professional illustration conception, production, and finish. Students will execute illustration projects using professional

procedures and equipment. Emphasis is on student creative and technical development. Prerequisite: DES 309. **Three credit hours.**

DES 410.SOCIAL MEDIA AND NETWORKING II

This course will provide students with an advanced understanding of social media, marketing plans, and social media analytics. Students will build company and/or journalistic profiles on the top social networks to engage with audiences and communities and utilize analytical tools to track success. Prerequisite: DES 310. **Three credit hours.**

DES 411.PACKAGE DESIGN II

This is an advanced studio design course in the development of packaging for the marketplace. Students will be exposed to how package designers visually communicate using 3-dimensional form. Emphasis is placed on developing effective design solutions in relationship to marketing concepts and objectives for various products. Prerequisite: DES 311. **Three credit hours.**

DES 420.SENIOR PORTFOLIO

This course prepares students to gain employment in the field by creating and producing a professional design portfolio, resume, social media presence, and self-promotional materials. **Three credit hours.**

DES 450.DESIGN DEN

This course is centered around student-run and faculty-managed strategic communications. Students gain hands-on, real-world experience in a professional agency environment. The experiential learning opportunity helps students develop and sharpen their skills through real client work, workshops, team-building exercises, and networking engagements with professionals and thought leaders in the communications industry. Prerequisite: Instructor permission. **Three credit hours.**

DES 490.INTERNSHIP

This course gives a student the opportunity for college credit in a professional design studio, lab, or other facility. A limited number of Internships are available through the department each semester, or the student may propose an internship. Prerequisites: Graphic Design majors with advanced standing and consent of department. Forty-five hours of work required per semester hour of credit. May be repeated for a total of six credit hours. **One to six credit hours.**

DES 499.SENIOR DESIGN STUDIO

In this course, graduating students will prepare their final design portfolio and exhibition. **One credit hour.**

EARLY CHILDHOOD EDUCATION

See pages 353-355.

ECONOMICS

ECON 101.ECONOMICS IN SOCIETY

Provide 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 – Behavioral and Social Perspectives) **Three credit hours.**

ECON 311.MONEY AND BANKING

This course surveys the role financial markets, institutions, and central banks have in facilitating the flow of funds to investments in today's economy. Topics include the nature of 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 are studied to gain insight into the importance of these entities. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **Three credit hours.**

ECON 352.TOPICS OF ECONOMICS

This course allows for the study of various economics topics that 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 credit hours must be the same. Prerequisite: Instructor permission. For business majors additional prerequisites include completion of 42 credit hours, 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 credit 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 credit 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 credit hours and concurrent enrollment in EDUC 210. **One-half credit 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 credit hours.**

EDUC 203.FIELD EXPERIENCE I

This course will 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 credit hours. **One-half credit 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 credit 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 credit hours, concurrent enrollment in EDUC 223, and Provisional status. **One-half credit hour.**

EDUC 207.FIELD EXPERIENCE 1D

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 credit hours and Provisional status. **One credit 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 credit 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 credit 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 credit hours.**

EDUC 250.ADOLESCENT DEVELOPMENT AND LEARNING COMMUNITIES

This course applies the psychology of learning and motivation to patterns of social, emotional, physical, and intellectual development of adolescents and explores this development as a key factor in the teaching of adolescent learners. **Three credit 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 EDUC 203. Graded Pass/Fail. **One credit 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 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 credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit hours.**

EDUC 306.STEAM INSTRUCTIONAL DESIGN

This course provides an introduction to the foundations of the STEAM (Science, Technology, Engineering, the Arts, and Mathematics) disciplines and the strategies used to design engaging STEAM instruction in the P-12 classroom setting. **Three credit hours.**

EDUC 307. STEAM IMPLEMENTATION

Students will explore and apply foundational pedagogical strategies for implementing STEAM (Science, Technology, Engineering, the Arts, and Mathematics) instruction in the P-12 classroom. Co-requisite: enrollment in a 300-or above clinical experience. 30 hours of STEAM practicum hours are required. **Three credit hours.**

EDUC 308.STEAM INSTRUCTIONAL METHODS

Students will explore instructional methods for delivering STEAM (Science, Technology, Engineering, the Arts, and Mathematics) lessons in the P-12 classroom. Particular emphasis will be placed on how to integrate pedagogical strategies to address curricular needs, real world problem solving, and student engagement. Prerequisites: Formal professional program level status. **Three credit hours.**

EDUC 309.WORLD CULTURES IN EDUCATION

This course explores the way cultural expectations shape systems and practices of education. Particular emphasis is placed on comparing pedagogical practices across a few countries and cultures. It will also explore how these societies use educational systems to address modern issues such as globalization, technology, socioeconomic diversity, and poverty. (General Education – World Cultures) **Three credit hours.**

EDUC 310.PRINCIPLES AND STRATEGIES FOR TEACHING ESOL TO ELEMENTARY AND SECONDARY LEARNERS

This course provides an overview of theories, research, and practices associated with teaching English language learners in elementary and secondary classroom settings. Prerequisites: Formal level status. **Three credit hours.**

EDUC 311.PRACTICUM IN THE INSTRUCTION OF ESOL TO ELEMENTARY AND SECONDARY LEARNERS

This is a practicum in the Instruction of ESOL to Elementary and Secondary Learners. This field-based experience is designed to immerse teacher candidates in a classroom or tutoring setting devoted to instructing English for Speakers of Other Languages (ESOL). Teacher candidates will design and implement learning activities that address the unique needs of English Language Learners. Prerequisites: Formal level status. **One to three credit hours.**

EDUC 312.STEAM ASSESSMENT

Students will explore diverse strategies to assess P-12 student learning as they engage in STEAM (Science, Technology, Engineering, the Arts, and Mathematics) explorations. Students will explore technology-rich formative and summative assessments that provide both the learner and the teacher feedback on instructional effectiveness during STEAM explorations. Prerequisites: Formal professional program level status. **Three credit 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 credit 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 credit 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 credit hours.**

EDUC 327.MATHEMATICS PEDAGOGY

This course explores problem-based teaching methods associated with the elementary curriculum strands for mathematics (number and operations, algebra, geometry, measurement, 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 level status. **Three credit 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 that include strategies for meeting the needs of all learners and employing instructional technology. Teacher candidates will make formal observations of the learning community and environment, will participate in seminars, and may visit community agencies. Students are responsible for transportation to off-site placements. Prerequisites: Formal level status and successful completion of EDUC 206 and EDUC 207 with grades of "B" or higher (Elementary Education Majors). **One-half to three credit 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 credit 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 credit 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 credit 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 credit 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. Prerequisite: Formal level status. ***Three credit hours.***

EDUC 428.CLINICAL PRACTICE A SEMINAR

Teacher candidates will investigate contextual learning factors and individual learner characteristics. The primary focus of the course is on developing, teaching, and assessing core content lessons that are inquiry-based, developmentally appropriate, integrated across the curriculum, and aligned with state and national curriculum standards. The unique learning needs of specific sub-groups of students and social and emotional health is also emphasized. ***One to eleven 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 for elementary education majors 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 four credit 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 credit hours.***

EDUC 443.MIDDLE SCHOOL ORGANIZATION AND CURRICULUM

This course explores organizational policies and instructional curriculum within middle school classrooms as well as the underlying theories, research, and implementation of effective middle school instruction. ***Three credit 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 credit hours.***

EDUC 462.CLINICAL PRACTICE C

This two-part clinical is designed to immerse teacher candidates to the classroom environment in South Carolina and an area outside of the mainland United States. Part 1 of this clinical requires candidates to design and implement lessons across all disciplines during full-time placement in a South Carolina school. Part 2 of this clinical takes place outside the mainland United States. Candidates will explore developmental and cultural views of childhood, curriculum content, instructional delivery methods, and the role of the school within the community. Candidates will serve as an instructional assistant in a local area classroom during the international enhanced teaching experience. Additional fees may be charged for this clinical and students are responsible for all transportation costs. Prerequisites: Candidate level status and successful completion of EDUC 429 with a grade of "B" or better. ***One to eleven credit hours.***

EDUC 463.CLINICAL PRACTICE D

This clinical is designed to immerse teacher candidates in the classroom environment. Candidates will design and implement lessons across all disciplines. After completing 60 days of full-time teaching, candidates will contribute 75 additional hours within an educational setting approved by their instructor. Educational settings may include, but are not limited to, new or current classroom placement, tutoring, administrative shadowing, substitute teaching, professional development/training, and attending educational conferences. Students are responsible for transportation to off-site placements. Prerequisites: Candidate level status and successful completion of EDUC 429 with a grade of “B” or better. **One to eleven credit 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 credit hours in the major area and/or permission of the department chair. Dependent upon availability of suitable positions. **One-half to twelve credit 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 credit 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 credit hours.**

ECED 223. GENERAL PEDAGOGY FOR EARLY CHILDHOOD

This course provides an overview of research-based techniques and instructional methodologies that provide effective instruction in early childhood classrooms. Topics include selecting appropriate materials and academic standards; creating positive learning environments, instructional plans, and assessments; and exploring multi-media formats and technology that apply to a variety of classroom settings. **Three credit 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, childcare, child advocacy, public policy, legislation and professionalism are also addressed. Prerequisites: ECED 222 or instructor permission. **Three credit 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 credit 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 credit 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 credit 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 credit hours.**

ECED 329.EARLY CHILDHOOD FIELD EXPERIENCE II

This is a classroom instructional experience 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. Students are responsible for transportation to off-site placements. Prerequisites: Formal level status and successful completion of EDUC 206 and EDUC 207 with grades of "B" or better. **Three credit 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 credit 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 credit 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 credit 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 credit 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 better. **One to eleven credit 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: Instructor permission, formal admission to Teacher Education Program. **One to three credit 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 credit 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 credit 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: Instructor permission. **Three credit 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: Instructor permission. **Three credit hours.**

MONT 472.MONTESSORI PHILOSOPHY, EDUCATIONAL THEORY and 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: Instructor permission. **Three credit hours.**

MONT 473.METHODS OF OBSERVATION and 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: Instructor permission. **Three credit 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 credit 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: Instructor permission. **Three credit 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. Prerequisites: MONT 472 and instructor permission. **Three credit 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 credit 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 credit hours.**

SPED 240.CHARACTERISTICS OF DIVERSE LEARNERS, P12

This course addresses the characteristics, nature and needs that distinguish individuals with mild to moderate disabilities from the general population. The focus is on definitions, associated learner characteristics, Individualized Education Programs (I.E.P.), and instructional provisions for individuals with intellectual, learning, and emotional disabilities as well as autism and traumatic brain injury. **Three credit 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 credit hours.**

SPED 260.THERAPEUTIC HORSE MOVEMENT

This course will impart a working knowledge of equine physiology and functional anatomy, and then relate these to current theories and practices in therapeutic horse husbandry. In addition, the course will teach problem-solving skills in the presentation of common equine diseases and the therapeutic options available for their treatment. Prerequisite: SPED 150. **Three credit 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 credit 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 credit 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. Students are responsible for transportation to off-site placements. Prerequisite: Formal level status. Co-requisite: SPED 341. **Three credit 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 credit 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 instructor permission. **Three credit 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 credit 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. Students are responsible for transportation to off-site placements. Prerequisite: Formal level status. Co-requisite: SPED 451. **One to eleven credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 have been accepted to the Teaching Fellows Program). **One credit 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 credit 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 – Core Academic Skills) **Three credit 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 – Core Academic Skills) **Three credit hours.**

ENGL 114.INTRODUCTION TO LITERATURE

This course provides an introduction to college-level literary studies. It may be repeated for additional credit as themes change. (General Education – Humanities and Fine Arts) **Three credit hours.**

ENGL 190.WRITING AND INQUIRY WORKSHOP

This course is designed to help students build foundational skills for successful academic writing and apply these skills to their assignments in ENGL 101 and other Lander courses. Students practice the composing and editing processes necessary for success in college writing—with emphasis on mechanical conventions and rhetorical strategies—through lectures, workshops, and peer tutoring. Graded pass/fail. Co-requisite: ENGL 101. **One credit hour.**

ENGL 199.CAREERS IN ENGLISH

This course introduces careers available for English majors, opportunities for professional development, and admissions requirements for graduate and professional schools. Prerequisite: ENGL 101 with “C” or better; enrollment as an English major, or instructor permission. **One credit hour.**

ENGL 200.WRITING SKILLS FOR ENGLISH MAJORS

This course provides the terminology and skills necessary to produce clear, well-edited, and rhetorically effective academic writing within the major. Attention is also given to prose style and the integration of sources. Prerequisite: ENGL 101 with “C” or better, enrollment as an English major, or instructor permission. **Two credit hours.**

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

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 instructor permission. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. **One credit hour.**

ENGLISH MAJORS SHOULD COMPLETE REQUIRED GENERAL EDUCATION ENGLISH COURSES BEFORE ENROLLING IN UPPER-LEVEL ENGLISH OR WRITING COURSES.

ENGL 301.MEDIEVALISM

This course examines literary works that reflect the profound cultural, religious, and linguistic changes that occurred in Europe between the 5th and 15th centuries. Prerequisite: ENGL 102 with “C” or better or permission of instructor. **Three credit hours.**

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 instructor permission. **Three credit 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 instructor permission. **Three credit hours.**

ENGL 311.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 instructor permission. **Three credit 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 instructor permission. **Three credit hours.**

ENGL 322.REALISM AND NATURALISM

This course examines literary works that reflect the ideas associated with naturalism and realism from various periods, especially those of the 19th century and after. Prerequisite: ENGL 102 with “C” or better or instructor permission. **Three credit hours.**

ENGL 325.ETHNIC/REGIONAL LITERATURES

This course examines literary works or films of a particular region or ethnic group and may deal comparatively with varying regions or groups. Previous topics have included Southern Literature, American Ethnic Cinema, Irish Literature, African-American Literature, and the Jewish-American Novel. This course may be repeated for additional credit as themes change. Prerequisite: ENGL 102 with “C” or better or instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. **Three credit 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 instructor permission. Co-requisite: EDUC 429. **Three credit 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 credit 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 credit 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 instructor permission. **Three credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit hours.**

ES 310.ENVIRONMENTAL GEOLOGY

Human interactions with geological processes are covered, 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, and land use planning. Prerequisites: GEOL 111 or PSCI 112. **Three credit hours.**

ES 111.ENVIRONMENTAL SUSTAINABILITY

This course teaches students the skills to both define sustainability and to assess if a given process or product can be deemed “sustainable.” Synthesis of fundamental ecological principles and anthropogenic activities will be covered. Conversation about pollution prevention, ecological risk, and remediation will help students practice sustainability as world citizens. (General Education – Scientific and Mathematical Reasoning non-laboratory science) **Three credit hours.**

ES 314.CULTURAL PERSPECTIVES OF GLOBAL CLIMATE CHANGE

Global climate change is arguably the most important science-based issue of our time. Its impacts on cultures, institutions, economies, ecology, and other Earth systems are indelible and serious. The many cultures on Earth are affected by and respond to climate change in different ways. Understanding various cultural perspectives regarding this challenge is essential for an accurate and complete understanding of the impacts of climate change, as well as to understand what is possible in the way of adaptation and mitigation solutions to the challenge. In this course, the science of climate change will be reviewed in order to understand its causes and effects, and study how cultures other than our own regard and respond to climate change. Students will develop a critical understanding of these relationships as they study several developing areas of the world. (General Education – World Cultures) **Three credit hours.**

ES 390.GLOBAL TOPICS IN ENVIRONMENTAL SCIENCE

This course provides an 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. Three hours lecture weekly. **Three credit 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 credit hours toward degree requirements. Offered on demand to qualified students and with the approval of the instructor. **One to four credit hours.**

ES 490. INTERNSHIP IN ENVIRONMENTAL SCIENCE

This course gives students practical experience with an approved governmental or private organization involved in environmental investigation, research, regulation, monitoring, assessment, or compliance. The experience will be supervised by the instructor, who will schedule conferences with the student. The student will maintain a journal of experiences and will submit it and 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. A minimum of 3 hours per week of on-the-job experience for at least 11 weeks is required for each hour of credit. The prerequisites: BIOL 111, CHEM 111, and instructor permission. Graded pass/fail. **Three or four credit hours.**

ESPORTS

ESPM 201. INTRODUCTION TO ESPORTS

This is an introductory course related to the emergence and phenomenon of the Esports industry. Students will be introduced to the basic concepts and principles related to Esports and competitive gaming including overall industry dynamics and career opportunities in the field. **Three credit hours.**

ESPM 225. ESPORTS PROJECT AND EVENT MANAGEMENT

This course will introduce students to the concepts and processes in project management as it relates to Esports. Topics such as management of projects that involve managing of Esports venues and events, planning and execution of Esports operations and events, and overall Esports project budget considerations will be included. **Three credit hours.**

ESPM 235. ESPORTS MANAGEMENT AND ADMINISTRATION

This course is an overview of the Esports management industry, which includes application of theoretical and practical management principles in the operation and oversight of Esports events, venues, and organizational teams. **Three credit hours.**

FINANCE

FINA 151. PERSONAL FINANCE

The purpose of this course is to explore how individual choices influence future earnings potential and wealth building goals. Topics include money management, spending and credit, savings strategies, and investing. **Three credit hours.**

FINA 301. CORPORATE FINANCE

This course introduces financial management. Topics include the role of ethics in financial markets, financial analysis, agency conflict, cost and sources of capital, and project selection. In addition, stocks, bonds, mergers, and international financial management are surveyed. Prerequisite: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201, or ECON 202. **Three credit hours.**

FINA 308. FINANCIAL SERVICES

This class introduces the domestic and international financial services industry. It focuses on the four major industry segments – commercial banking, insurance (risk management), investments, and real estate. The fundamentals of these industries – markets, major companies and competitors, government regulation, and the basic financial structures of these businesses will be studied. In addition, the opportunities and credentials required for employment in the various sectors will also be reviewed. Prerequisites: Junior or senior status, "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **Three credit 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. **Three credit hours.**

FINA 311. REAL ESTATE PRINCIPLES

This course surveys the residential real estate industry. Topics include housing market analysis, valuation and appraisal methods, real estate transactions, and loan processes and documentation. This course fulfills the pre-licensing requirements for a real estate salesperson license in accordance with required curriculum of the South

Carolina Real Estate Commission. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **Three credit hours.**

FINA 312.INSURANCE AND RISK MANAGEMENT

This course surveys the insurance industry, with a focus on the management of operational risks facing organizations. Topics include measurement of risk, behavioral bias in decision making under uncertainty, diversification of risk, the role of capital in ensuring performance, and moral hazard. These topics are then applied to public policy issues such as health care, catastrophic risk, and safety regulation. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **Three credit hours.**

FINA 352.SPECIAL TOPICS IN FINANCE

This course allows for the study of finance topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different and count as a business elective or general elective. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. **Three credit hours.**

FINA 490.FINANCE INTERNSHIP

This course will provide practical work experience in the financial services field through an approved agency or business under the supervision of professional employees and the course instructor. The course may be taken for a maximum of six hours and used as a business elective or general elective. Internship is dependent upon position availability. Prerequisites: Instructor permission, and junior or senior status, "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **One to six credit hours.**

FALS

FALS 101.FINE ARTS AND LECTURE SERIES (Temporarily suspended)

Lander University recognizes that a college education should provide opportunities to expand and deepen a student's cultural development. The FALS (Fine Arts and Lectureship Series) requirement is intended to ensure that students are exposed to out-of-class performances and activities which broaden their perspectives and understanding. All undergraduate, degree-seeking students graduating under the current catalog are required to attend fifteen (15) FALS-approved events, with the following exceptions: Students enrolled in a totally online degree program, students in Project CREATE, and second undergraduate degree candidates. FALS 101 is a non-credit-bearing graduation requirement. **0 credit hours**

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 – Humanities and Fine Arts) **One to three credit hours.**

FRENCH

FR 101.FRENCH FOR GLOBAL CITIZENS I

This course introduces students to the lexicon and structural principles of the French language and delves into the cultures of the French-speaking world, with a special emphasis on France and francophone cultures. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: Placement determined per Foreign Language Placement Policy. (General Education – World Cultures) **Three credit hours.**

FR 102.FRENCH FOR GLOBAL CITIZENS II

This course continues to introduce students to the lexicon and structural principles of the French language and delves further into the cultures of the French-speaking world, with a special emphasis on France. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual

communities at home and around the world. Prerequisite: FREN 101 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) **Three credit hours.**

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

FR 203.FRENCH FOR GLOBAL CITIZENS III

This course continues to introduce students to the lexicon and structural principles of the French language and delves further into the cultures of the French-speaking world, with a special emphasis on France. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: FR 102 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) **Three credit 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: Instructor permission. **One to three credit 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 credit hours.**

FR 330.OVERSEAS STUDY

Individualized project undertaken on an overseas study program approved by the University. Prerequisite: Placement. **One credit hour.**

FR 340.OVERSEAS STUDY: LANGUAGE

Intensive language study on an overseas study program approved by the University. Prerequisite: Placement. **One to nine credit 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 credit 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 credit 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 instructor permission. **One to three credit hours.**

GENETICS

GHS 236.NUTRITION AND GENETICS This course focuses on the role of nutrition in promotion of health and wellness across the lifespan. The course advances knowledge of proteins, carbohydrates, lipids, vitamins and minerals including their ingestion, digestion, absorption, transportation, and metabolism. Concepts related to gene-diet interactions and the role of these interactions in growth and development and common chronic disease will also be introduced. **Two credit hours.**

GHS 242.PRINCIPLES OF GENETICS FOR GENETIC COUNSELING ASSISTANTS

This course will introduce foundational principles of human genetics and genomics with a focus on the concepts and applications relevant to the practice of clinical genetics. Course requirements include the demonstration of practical clinical skills and comprise constructing pedigrees, identifying modes of inheritance, and considering bioethical principles as they relate to clinical genetics. **Three credit hours.**

GHS 291.TECHNOLOGY IN GENETIC DIAGNOSIS AND GENETIC COUNSELING

This course will allow students to explore molecular, biochemical, and cytogenetic techniques used to inform genetic counseling. Additionally, through this course students will understand the basics of the role of a laboratory genetic counselor, processes to enhance communication with the laboratory personnel, and the distinctive role of the diagnostic laboratory in patient care. **Three credit hours.**

GHS 417.CLINICAL EXPERIENCE FOR GENETIC COUNSELING ASSISTANT

This course provides an in-depth study of genomics and the implications for health care professionals, including ethical, legal, and social implications of genomic technological advances. This course will use virtual experiences to introduce different components of the genetic counseling session, observe different counseling styles, and compare and contrast how different clinical sites operate. **Three credit hours.**

GHS 499.PROFESSIONAL DEVELOPMENT FOR GENETIC COUNSELING ASSISTANTS

This course is designed to help students with professional development, career structuring, and advanced preparation to provide administrative support to genetic counselors. This includes requesting and sending medical records, packaging samples with appropriate consents for transport to genetic laboratories, submitting appropriate information to insurance companies for visit and lab pre-authorizations as needed, completing post-visit tasks including sending referrals, returning patient calls regarding status of testing and any general questions/requests, contacting laboratories regarding testing, and communicating with patients and families regarding normal testing results. **Two credit hours.**

GEOGRAPHY

GEOG 101.INTRODUCTION TO GEOGRAPHY

Emphasis on the Earth's physical features, its resources and the interdependence of mankind and environment. **Three credit 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 – Scientific and Mathematical Reasoning) **Four credit 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 credit hours.**

HEALTH CARE MANAGEMENT

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 instructor permission. **Three credit hours.**

HCMT 290.SPECIAL TOPICS IN HEALTH CARE

Examination of current topics, issues, and trends in the health care industry. Prerequisite: Instructor permission. **One to three credit 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. Prerequisite: “C” or better in HCMT 201. Co-requisite: FINA 301. For business majors additional prerequisites include completion of 42 credit hours and completion of ACCT 201 and ECON 101 with a “C” or better. **Three credit 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. Prerequisite: HCMT 201. **Three credit hours.**

HCMT 369.SPECIAL TOPICS IN HEALTH CARE MANAGEMENT

This course allows for the study of health care management topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. *Three credit 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. Prerequisite: HCMT 201. *Three credit 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. Prerequisite: "C" or better in HCMT 311. *Three credit hours.*

HCMT 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: "C" or better in HCMT 201. *Three credit 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 and instructor permission. Co-requisite: HCMT 410. *One to six credit 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 – Behavioral and Social Perspectives) *Three credit hours per course.*

HIST 111.UNITED STATES HISTORY TO 1877

This course provides a general survey from the age of discovery to 1877, and includes instruction on the institutions of the U.S. government and documents critical to the American experience, such as the Declaration of Independence, the U.S. Constitution, The Federalist Papers, and the Emancipation Proclamation. (General Education – Founding Documents of the United States and Behavioral and Social Perspectives). *Three credit hours.*

HIST 112.UNITED STATES HISTORY SINCE 1877

A general survey of U.S. history from 1877 to the present. (General Education – Behavioral and Social Perspectives) *Three credit 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 – Behavioral and Social Perspectives) *Three credit 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 – Behavioral and Social Perspectives) **Three credit hours.**

HIST 201.THE HISTORIANS' CRAFT: AN INTRODUCTION TO THE STUDY OF HISTORY

This course introduces history students to the study of their discipline and to the techniques underlying historical study and research: the critique of primary and secondary sources; specific trends in historical interpretation, such as various schools of historiography; the Chicago Manual of Style of documentation and bibliography; and the composition of thesis statements, papers, and reviews. Prerequisites: ENGL 102 and a 100-level history course. **Three credit hours.**

HIST 221.UNDERGRADUATE RESEARCH IN HISTORY

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research project changes. Prerequisite: Instructor permission. Graded pass/fail. **One credit hour.**

HIST 250.CIVIL RIGHTS AND THE LEGACY OF DR. BENJAMIN E. MAYS

This course examines the life and legacy of Dr. Benjamin E. Mays, a native of Greenwood County, minister, professor, advocate for civil rights, and as president of Morehouse College, mentor to such leaders as Dr. Martin Luther King, Jr. The course includes the study of race and civil rights in American society during Dr. May's lifetime (1894-1984) and beyond. Cross-listed with SOCI 250. Prerequisite: Instructor permission. **Three credit 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 credit hour.**

HIST 306.LATIN AMERICA

This course covers the history of Latin America from pre-Columbian times to the present. Emphasis is on political, social, economic development, and international relations. Junior/senior status recommended. Prerequisites: ENGL102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 307.VIETNAM

This course examines Vietnam and its cultural development. It looks at Vietnam's long history of resisting outside attacks, with a focus on 20th century conflicts such as the French Indochinese War, and America's Vietnam War. It includes a comparison of the influence of the French and the Americans on Vietnam, and a study of contemporary responses of the Vietnamese people to foreign ideas and institutions so that students can understand Vietnamese society today. Prerequisite: ENGL 102. (General Education – World Cultures) **Three credit hours.**

HIST 310.COLONIAL AMERICA

This course will examine the major themes and developments associated with the era of European colonization in the Americas, with a special focus on British colonies in North America. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 315.HISTORY OF SOUTH CAROLINA

This course will examine the major themes and developments associated with the history of South Carolina from prehistory through the 1960s. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 316.HISTORY OF BLACK EXPERIENCE: FROM AFRICA TO AMERICA

This course is a survey 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 317.THE 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 327.THE EARLY MIDDLE AGES

This course is 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 328.THE HIGH MIDDLE AGES

This course is 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 329.THE LATE MIDDLE AGES

This course is 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 330.ROBIN HOOD

This course will explore Robin Hood, the hero of the green wood, 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 present, and assess reinterpretations of medieval times. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. (General Education – Humanities and Fine Arts) **Three credit hours.**

HIST 341.UNITED STATES WILDLIFE CONSERVATION HISTORY

This course explores the history of American wildlife conservation during the nineteenth and twentieth centuries. In particular, the course focuses on the efforts of naturalists, sportsmen, and the government to regulate the harvesting of game animals and explores the positive and negative consequences of wildlife management. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit 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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 345.UNITED STATES, 1877-1921: THE GILDED AGE AND THE PROGRESSIVE ERA

This course is 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 any three-hour Behavioral and Social Perspectives general education course. *Three credit 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 any three-hour Behavioral and Social Perspectives general education course. *Three credit hours.*

HIST 347.THE UNITED STATES AND THE COLD WAR, 1945-1991

This course explores the 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 any three-hour Behavioral and Social Perspectives general education course. *Three credit 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 any three-hour Behavioral and Social Perspectives general education course. *Three credit 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 1968 in a global context, and will include discussion of diplomatic, political, social, and cultural history. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. *Three credit hours.*

HIST 350.CIVIL RIGHTS AND THE LEGACY OF DR. BENJAMIN E. MAYS

This course examines the life and legacy of Dr. Benjamin E. Mays, a native of Greenwood County, S.C., minister, professor, advocate for civil rights, and as president of Morehouse College, mentor to such leaders as Dr. Martin Luther King, Jr. The course includes the study of race and civil rights in American society during Dr. Mays’ lifetime (1894-1984) and beyond. Prerequisites: ENGL 102, any three-hour Behavioral and Social Perspectives general education course, and instructor permission. *Three credit hours.*

HIST 355.LATE ANTIQUITY

This course is a 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, and the rise of Islam. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. *Three credit hours.*

HIST 363.WORLD CHRISTIANITY FROM 1500

This course will explore the cultural development of Christianity from 1500, with a focus on the transformations of the religion caused by the Reformations and the interaction between Europeans and native peoples in Africa, Asia, the Atlantic World, and Latin America. This course will help students to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and an ability to understand religion and culture in today’s interconnected world. This will be accomplished in part through the historical study of cultural products related to Christianity, such as art, language, literature, political writings, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures). *Three credit hours.*

HIST 365.RELIGION AND WARFARE

The intersection of religion and warfare provides a powerful perspective for examining contemporary societies and cultures. Focusing on religions in Asia, Europe, and the Middle East, this course will investigate how religion and warfare have historically interacted to develop cultures that shape identities, perspectives, and ways of life in contemporary societies. This will be accomplished in part through the historical study of cultural products related to religion and warfare, such as art, language, literature, political writings, and visual media. Junior/senior status recommended. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. (General Education – World Cultures). *Three credit hours.*

HIST 370.MODERN EAST ASIA

This course will take as its subject the cultural development of East Asia—China, Japan, and Korea—from the nineteenth century to the present. Students taking this course will develop a critical understanding of East Asian societies, identities, perspectives, ways of life, and beliefs with a particular focus on how the region's past has shaped its cultures and the rest of the world, thereby helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. This will be accomplished in part through the historical study of cultural products, such as East Asian comics, literature, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures) **Three credit hours.**

HIST 372.HISTORY OF COMICS AND ANIME

This course offers a comparative and historical study of animation, anime, comics, and manga in the United States and Japan. Subjects include popular culture, technological development in these areas, the rise of significant artists and companies in these media, and issues of censorship. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 375.MODERN CHINA

This course studies the current culture of modern China. Students will develop a critical understanding of Chinese society, identities, perspectives, ways of life, and beliefs with a particular focus on how China's past has shaped contemporary Chinese culture, the East Asian region, and the rest of the world. This course will provide historical study of cultural products, such as Chinese art, comics, literature, and visual media. Junior/senior status recommended. Prerequisites: ENGL 102, and any three-hour Behavioral and Social Perspectives general education course. (General Education – World Cultures) **Three credit hours.**

HIST 376.MODERN JAPAN

This course studies the current culture of modern Japan. Students will develop a critical understanding of Japanese society, identities, perspectives, ways of life, and beliefs with a particular focus on how Japan's past has shaped contemporary Japanese culture, the East Asian region, and the rest of the world, thereby helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. This will be accomplished in part through the historical study of cultural products, such as Japanese art, comics, literature, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures) **Three credit hours.**

HIST 377.MODERN KOREA

This course studies the current culture of modern Korea. Students will develop a critical understanding of Korean society, identities, perspectives, ways of life, and beliefs with a particular focus on how Korea's past has shaped contemporary Korean culture, the East Asian region, and the rest of the world, thereby helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. This will be accomplished in part through the historical study of cultural products, such as Korean art, comics, literature, music, popular culture, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures) **Three credit hours.**

HIST 380.INTRODUCTION TO PUBLIC HISTORY

This course is an introduction to the methods of public history focusing on museum studies, but including archival practice, exhibit development, professional editing, oral history, and others. It also offers initial preparation for public history careers. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

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 any three-credit Behavioral and Social Science general education course. **Three credit hours.**

HIST 385.ORAL AND LOCAL HISTORY

The course introduces to the most recent work in oral history and methodology with a focus on the history of upstate South Carolina from the colonial era to the present. Students engage in their own local oral history project. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 386.MEMORY AND MEMORIALIZATION

This course will explore how people have remembered and commemorated particular historical events and how memory and memorialization have shaped the political and social realms. It will focus on sites of memory and commemoration, such as museums and battlefields, and the contested nature of how human beings remember history. Prerequisite: ENGL 102 and any three-credit Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 390.AMERICA'S RISE TO WORLD POWER, 1776-1912

This course covers American foreign relations from 1776-1912, underscoring the significant international personalities, themes, and events that helped transition the country from a regional into a world power. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 391.AMERICA AS A MAJOR WORLD POWER: U.S. FOREIGN RELATIONS, 1912-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 any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

HIST 392.SPIES AND LIES: THE U.S. ESPIONAGE ESTABLISHMENT, 1942-1963

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 World War II and the early years of the Cold War. Junior/Senior status recommended. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit 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 credit hours.**

HIST 407, 408, 409.RESEARCH IN HISTORY

These courses involve students engaging in a student-directed research project on a topic of historical interest. These courses are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in History (HIST 407, HIST 408, or HIST 409) toward major requirements. Prerequisite: Instructor permission. **One to three credit hours.**

HIST 441.SPECIAL TOPICS IN HISTORY

This special theme course in history will include experimental and interdisciplinary courses. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hour.**

HIST 442.SPECIAL TOPICS IN PUBLIC HISTORY

This special topics course in public history will include experimental and interdisciplinary topics. This course may be repeated for additional credit as topics change. Prerequisite: Instructor permission. **Three credit 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. Pedagogical theory and practice will be integrated in the development of curricular materials, lesson plans, and presentation strategies. Attention will be given to use of technology for research, analysis, and presentation. The course will cover the NCSS national standards and the theory and methodology for instructing all social studies disciplines. Prerequisites: EDUC 320, EDUC 329, and nine hours of history at the 300-level. Co-requisite: EDUC 429. **Three credit hours.**

HIST 490.INTERNSHIP

Students participate in practical work experience related to the study of history. A faculty member supervises the internship. A student must be in good academic standing and have completed 45 semester hours of credit, 6 of them in history. Other course prerequisite(s) may be required at the instructor's discretion. Only three credit hours of internships may count toward the fulfillment history major requirements. For Pass/Fail credit only. **One to nine credit hours.**

HIST 491.PUBLIC HISTORY INTERNSHIP

Students participate in practical work experience related to the study of public history. The internship is supervised by a faculty member. Only three hours of this internship may count toward the Emphasis in Public History, allowing

other earned hours to count in Additional Electives. Graded on a pass/fail basis. Prerequisite: Instructor permission. **One to nine credit hours.**

HIST 499.SENIOR CAPSTONE SEMINAR

This seminar-structured course provides students the opportunity to apply skills used by members of the historical profession and learn strategies for using their degree in a post-collegiate context. A final project will be presented to a panel of the department faculty. Prerequisites: Senior status, HIST 201, and an additional twelve credit hours of history coursework at the 300-level or better. **Three credit 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. Prerequisite: Acceptance to the Honors College. **One credit hour.**

HONS 211.HONORS TOPICS IN THE 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. (General Education – Humanities and Fine Arts) **Three credit hours.**

HONS 291.HONORS TOPICS 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 – Behavioral and Social Perspectives) **Three credit hours.**

HONS 292.HONORS TOPICS IN PHILOSOPHY AND RELIGION

This course examines systems of thought and methods of inquiry in philosophy and religious studies. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Humanities and Fine Arts) **Three credit hours.**

HONS 293.HONORS TOPICS IN LABORATORY SCIENCE

This course explores scientific topics from fields such as biology, chemistry, physics, and environmental science with emphasis on the scientific method and application of knowledge in a laboratory setting. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Scientific and Mathematical Reasoning) **Four credit hours.**

HONS 294.HONORS TOPICS IN BEHAVIORAL SCIENCE

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 and Social Perspectives) **Three credit hours.**

HONS 295.HONORS TOPICS 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 – Humanities and Fine Arts) **Three credit hours.**

HONS 296.HONORS TOPICS 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 – Behavioral and Social Perspectives) **Three credit hours.**

HONS 297.HONORS TOPICS 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 and Fine Arts) **Three credit hours.**

HONS 298.HONORS TOPICS IN SCIENCE

This course explores scientific topics from fields such as biology, chemistry, physics, and environmental science. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Scientific and Mathematical Reasoning or Non-laboratory Science) **Three credit hours.**

HONS 299.HONORS TOPICS 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 – Scientific and Mathematical Reasoning or Non-laboratory Science) **Three credit 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 credit 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 credit hours.**

HONS 393.HONORS TOPICS IN WORLD CULTURES

Through an in-depth examination of a particular cultural context, this course explores special themes in the experience and perspective of communities living primarily outside of the United States. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual or group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – World Cultures) **Three credit 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 credit 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 credit hour.**

HOSPITALITY

HOSP 101.PRINCIPLES OF HOSPITALITY MANAGEMENT

This introductory course provides students with an overview of the hospitality industry, which includes various operational segments, career opportunities, historical perspectives on tourism and hospitality, and a comprehensive look at each department within the foodservice and lodging industry. **Three credit hours.**

HOSP 310.PURCHASING AND COST CONTROL

This course introduces students to the principles of effective product identification and the cost controls necessary to support a hospitality operation, namely within the foodservice segment. Topics may include procurement of goods, product distribution, product identification, costing procedures, inventory management, value analysis, and proper record keeping. Prerequisites: “C” or better in HOSP 101. **Three credit hours.**

HOSP 315.FOODSERVICE OPERATIONS MANAGEMENT

This course focuses on the management of a variety of foodservice concepts that will include the understanding and the management of foodservice segments based on level of service, menu, theme, and price points. Topics may

include how to manage each type of operating segment and how to maximize profitability based on specific management techniques within each foodservice segment. Prerequisite: Junior or senior status. **Three credit hours.**

HOSP 320.LODGING OPERATIONS MANAGEMENT

This course introduces students to the scope of the hotel industry and the organizational structure and operational mechanics of how the departments within the rooms division of an individual hotel operate. Topics include how work is performed and how activities are coordinated within the rooms division and among other hotel departments. Prerequisite: Junior or senior status. **Three credit hours.**

HOSP 330.HOSPITALITY FACILITIES PLANNING

This course provides an overview of the operation of hospitality facilities, including operating costs for various types of facilities, types and characteristics of major building systems, sustainable aspects of building equipment and management, and the responsibilities of the engineering maintenance department. The renovation needs and key managerial aspects of hospitality facility renovation projects are examined. Prerequisites: "C" or better in HOSP 101. Prerequisite: Junior or senior status. **Three credit hours.**

HOSP 340.CONVENTION I AND MEETING PLANNING

This course covers the meeting and convention planners' points of view to help students identify various market segments and their marketing requirements. Topics may include the organization and planning of a convention, understanding the various forms of meetings, and integrating technology and service into the meeting and/or convention functions. Emerging trends and current events within the meetings and conventions sector will be covered. Prerequisite: Junior or senior status. **Three credit hours.**

HOSP 350.HOSPITALITY OPERATIONS MANAGEMENT

This course provides the tools and techniques to manage hospitality-based operations across multiple industry segments. Similarities and differences in managing across various hospitality-based operations, with an emphasis on the basic management functions within various hospitality-based operations will be covered. Topics may include strategies and tactics for managing various multiple units within the hospitality industry. Prerequisite: Junior or senior status. Prerequisites: "C" or better in HOSP 101. **Three credit hours.**

HUMAN SERVICES

HUS 201.INTRODUCTION TO HUMAN SERVICES

This course offers a broad overview of the profession of human services. The course introduces students to the values, skills, and knowledge required to provide services to assist others in a variety of settings and areas, such as aging, child welfare, corrections, crisis intervention, disabilities, mental health, and substance abuse. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102 or SOCI 101. **Three credit hours.**

HUS 217.DRUG AND ALCOHOL COUNSELING

This course offers an overview of the theory and practice of recognizing and treating substance abuse. The course examines different prevention strategies and approaches to helping individuals, families, and groups experiencing alcohol and drug abuse or dependence. Prerequisite: HUS 201. **Three credit hours.**

HUS 235.GROUP DYNAMICS

This course examines the theory and practice of group dynamics. Topics include different types of groups, leadership styles, and intra-and inter-personal dynamics. The focus is on group processes with specific populations in a variety of settings related to human services. Prerequisite: HUS 201. **Three credit hours.**

HUS 299.HUMAN SERVICES FIELDWORK

This course offers shadowing, observation, and/or work opportunities in the area of Human Services. The field experience is supervised by professional employees of an approved agency, organization, or business as well as the course instructor. Weekly class meetings are also required. This course may be repeated for a maximum of 2 credit hours. Prerequisites: HUS 201 and Human Services major or minor. **One credit hour.**

HUS 300.PROGRAM EVALUATION IN HUMAN SERVICES

This course focuses on the principles of applied social science research, involving both qualitative and quantitative methods, in the context of human services. Students are introduced to the issues and techniques relevant to evaluating the effectiveness of programs designed to create social change in public and private human service settings. Prerequisites: SOCI 101; PSYC 101 or PSYC 102; HUS 201; MATH 211; and nine additional hours of HUS coursework. All courses must be passed with a "C" or better. **Three credit hours.**

HUS 322.MARRIAGE AND FAMILY THERAPY

This course offers a broad overview of the theoretical models and practical principles involved in counseling couples and families. The course explores various therapeutic approaches as well as current issues and trends in marriage and family therapy. Prerequisite: HUS 201. *Three credit hours.*

HUS 337.CRISIS INTERVENTION AND PREVENTION

This course examines the theoretical understanding of how humans deal with trauma and the individual and cultural variables that influence reactions to trauma. The course also focuses on treatment approaches to crisis intervention in the context of applied settings. Prerequisite: HUS 201. *Three credit hours.*

HUS 389.SPECIAL POPULATIONS

This course explores issues related to providing human services for special populations. The focus is on developing cultural competency for working with diverse populations in the context of social services and mental health agencies. Prerequisite: HUS 201. *Three credit hours.*

HUS 490.HUMAN SERVICES INTERNSHIP

This course is designed to give students a practical work experience in a field related to their major. The internship is arranged through an approved agency or business 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. The course may be taken for additional credit for a maximum of six hours. Internships are dependent upon availability of positions. Prerequisites: A grade of "C" or better in HUS 300 or SOCI 398, Human Services major, and instructor permission. *Three credit hours.*

HUS 499.SENIOR SEMINAR IN HUMAN SERVICES

The course is structured for students to synthesize their experiences across Human Services coursework and prepare to apply their knowledge and skills after graduation. Topics include issues of professional conduct, ethics, resumes, transition to career choices, and strategies for putting a Human Services degree to work in a post-collegiate context. Prerequisites: Senior status in the major and a grade of "C" or better in HUS 300 or SOCI 398. *Three credit hours.*

HUMANITIES

HUMA 102.SPECIAL TOPICS IN A REGIONAL/ETHNIC CULTURE

Students will examine the present-day culture of a specific region or ethnic group primarily outside of the United States by examining its artistic productions, which may include literature, film, music, and/or visual arts; its history; and its worldviews. The course emphasizes critical reading, analysis, writing, and reflective discussion. Course topics may change from semester to semester and may be repeated for additional credit as the topic changes. Prerequisite: "C" or better in ENGL 101. (General Education – World Cultures). *Three credit hours.*

HUMA 103.STUDY TOUR IN THE HUMANITIES

This course is designed to accompany and compliment an intensive, directed cultural study tour of an international location. It explores current cultural themes in the experiences and perspectives of the society visited. This course may be repeated for additional credit as the topic changes. Additional fees will be charged for travel-related expenses beyond tuition. (General Education – World Cultures) *One to three credit hours.*

HUMA 111.TOPICS IN THE HUMANITIES

These humanities courses are designed to excite students' intellectual curiosity, introducing them to some of the questions fundamental to individuals in their relationship to society. Course materials typically include a diversity of media. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. (General Education—Humanities and Fine Arts) *Three credit hours.*

HUMA 213.INTRODUCTION TO RHETORIC AND ARGUMENT

This course examines the role of rhetoric in human communication. Students use basic concepts from classical rhetoric to analyze how written, spoken, visual, or other texts persuade audiences. (General Education – Humanities and Fine Arts) Prerequisite: ENGL 102. *Three credit hours.*

HUMA 230.STUDIES IN HUMANITIES

This course offers a broad, interdisciplinary approach to the study of the Humanities or studies a humanities discipline other than those separately listed in Lander's curriculum. Topics, course descriptions, and requirements will be announced in advance. This course may be repeated for additional credit as the topic changes, up to a

maximum of six credit hours. Prerequisite: ENGL 102. (General Education – Humanities and Fine Arts) **Three credit hours.**

HUMA 250.FOUNDATIONS IN THE HUMANITIES

This course is required of all Humanities majors. The class will expose students to great works of intellectual and creative expression foundational to the study of human experience. Prerequisite: ENGL 102 or instructor permission. **Three credit 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 and Fine Arts) **Three credit hours.**

HUMA 330.SPECIAL TOPICS IN HUMANITIES

This course examines a specific topic 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. This course may be repeated for additional credit as the topic changes, up to a maximum of six credit hours. Prerequisite: ENGL 102. (General Education – Humanities and Fine Arts) **Three credit hours.**

HUMA 390.SPECIAL TOPICS IN WORLD CULTURES

This course examines a specific topic 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. This course may be repeated for additional credit as the topic changes, up to a maximum of six credit hours. Prerequisite: ENGL 102. (General Education – Humanities and Fine Arts) **Three credit hours.**

HUMA 391.TOPICS IN A WORLD CULTURE

With its focus primarily on one culture of the present day, this course explores communities primarily outside the United States. Through extensive examination of artistic productions, aspects of everyday life, customs, and traditions, etc. students become aware of that culture's perspectives and worldview. From semester to semester, the cultural focus may change. The course emphasizes critical reading, analysis, writing, and reflective discussion. This course may be repeated for additional credit as topic changes. Prerequisite: "C" or better English 102. (General Education – World Cultures). **Three credit hours.**

HUMA 499.SENIOR SEMINAR

This course is required of all senior Humanities majors. Students consolidate the skills and knowledge learned in the major, reflect critically on Humanities disciplines, and explore historical, critical, and rhetorical issues of concern to Humanities majors. Students assemble a professional portfolio as they prepare for graduate school or careers. Prerequisite: HUMA 250 and instructor permission. **Three credit hours.**

INFORMATION – LIBRARY

INFO 101.INFORMATION LITERACY

This course provides students with essential college-level information literacy skills for research and scholarship comprehension. Students will learn to determine personal information needs; distinguish different types of information, including articles, books, and the web; develop and execute advanced research strategies across many platforms; find, identify, and evaluate all types of research; and use information legally and ethically. This course will include lectures, class discussions, group activities, and research assignments that will demonstrate and reinforce the critical information literacy skills learned throughout the course. **One credit hour.**

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 credit 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 credit hours of 300 or better level coursework. **Three credit 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 credit hour.**

IDSA 202.REFLECTION ON THE STUDY ABROAD EXPERIENCE

This course, taken after the completion of an approved Study Abroad experience, guides students as they reflect upon and learn to market the knowledge and skills they gained. Prerequisite: Completion of an approved semester or summer study abroad program. **One credit 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) credit 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) credit hours.**

INTERNATIONAL STUDIES

INTL 390.THE POLITICS OF GLOBALIZATION

This course examines the politics of globalization and the development and management of the contemporary global economy. 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. The course deepens the student’s ability to analyze and evaluate how globalization shapes and informs the leading issues in contemporary world affairs. The course also explores how globalization impacts the power differentials in the political and economic relationships between states and non-state actors as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/senior status recommended. Cross-listed with POLS 390. Prerequisite: “C” or better in POLS 103. **Three credit hours.**

INTL 499.SENIOR SEMINAR

As the capstone course in the International Studies program, this course enhances students’ research and application skills to prepare them for successful careers in various workplace settings. It builds or reinforces knowledge, skills, and competencies in the realm of international studies. This course also includes assessment requirements for the University and the International Studies program. Prerequisite: “C” or better in INTL 390. **Three credit 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 credit hours.**

JOUR 203.INTRODUCTION TO WEB DESIGN

This course introduces and provides practical experience with web design software. Emphasis is on both creative design theory as well as applied technology. **Three credit hours.**

JOUR 302.PUBLICATION DESIGN

This course examines methodologies, visual approaches to the design of print and digital publications, and explores strategies to analyze, plan, and produce publications. Topics covered include the basic principles of effective typography, the use of grids, integration of graphics/photos, page assembly, and other approaches to publication design thinking. Prerequisite: JOUR 201. **Three credit 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 credit hours.**

LANDER ORIENTATION

LINK 101.LEADERSHIP, INVOLVEMENT, NETWORKING AND KNOWLEDGE

This course provides academic and co-curricular experiences 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, the 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. LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen. (General Education – Core Academic Skills) **One credit hour.**

LINK 102.SUCCESS IN COLLEGE BEYOND THE FIRST SEMESTER

This course focuses on academic support and resources, social emotional wellness, connectedness, resilience, mindset, and other targeted student needs that enhance the first year experience and beyond. Prerequisite: LINK 101. **One credit hour.**

LINK 200.SPECIAL TOPICS SEMINAR

This course provides in-depth analysis of topics to enhance the student experience and beyond. Topics may include personal money management; general career readiness including but not limited to interview skills, resume building, and professionalism; basic adult transitional skills and practices such as planning for the future, self care, personal hygiene, and mental health. These skills and practices, not normally taught in the standard college curriculum, focus attention on a more holistic college experience, complementing traditional academic and career-oriented instruction. Course may be repeated for up to four credit hours as the topic changes. Prerequisite: LINK 101. **One credit hour.**

LINK 290.PEER LEADER PRACTICUM

By serving as a LINK 101 peer leader, the student will receive practical experience of helping freshmen to adjust to the college experience and be successful. Students will receive training to serve as a peer leader in LINK 101. Topics covered will include: LINK mission, vision, learning outcomes, and course structure; professionalism; leadership skills; communication skills; and stress and time management. This course is to be taken concurrently during the semester serving as a peer leader. Prerequisite: Recommendation by LINK 101 instructor and acceptance as a peer leader required. **One credit 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 credit 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 credit 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 credit hours.**

LLP 101.LEADERSHIP DEVELOPMENT I

This introductory course defines leadership and introduces strategies to identify a personal leadership style and develop leadership skills. This course includes opportunities to practice essential skills such as communication, critical thinking, problem solving, setting and achieving goals, conflict resolution, and empowering people. **One credit hour.**

LLP 102.LEADERSHIP DEVELOPMENT II

This course further develops and enhances the concepts and skills introduced in LLP 101. The course focuses on how to apply the social change model when confronting organizational change, and how to implement more inclusive leadership practices. Prerequisite: LLP 101. **One credit hour.**

LLP 103.LEADERSHIP DEVELOPMENT III

This course introduces servant leadership and engagement and explores how to apply the concepts and skills of servant leadership to working and interacting with the larger community. Prerequisites: LLP 101 and LLP 102. **One credit hour.**

LLP 104. LEADERSHIP DEVELOPMENT IV

This course continues to expand upon leadership concepts and skills from LLP 101, with an emphasis on strategic planning, innovation, and assessment. Through problem-based learning, the course also addresses how to manage organizational growth and change. Prerequisite: LLP 101. **One credit hour.**

LEG.XXX COURSES

see PARALEGAL STUDIES (page 403-404)

MANAGEMENT

MGMT 201.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. The course will focus on how to use these functions for establishing and accomplishing business objectives, as well as how to 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. **Three credit 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: “C” or better in MGMT 201. **Three credit hours.**

MGMT 320.MANAGEMENT OF SMALL OR FAMILY BUSINESSES

This course focuses on issues and strategies in the management of small businesses or family businesses. Topics include marketing challenges, developing of systems for small or family businesses, 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 an elective, additional prerequisites include completion of 42 credit hours, “C” or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. **Three credit hours.**

MGMT 325.ENTREPRENEURSHIP AND INNOVATION

This course investigates the wealth creation process, business-related motivational literature, considers the difference between entrepreneurship and small business, and evaluates the definition of innovation and its critical role in entrepreneurship. The course will include an exploration of techniques for improving individual capacity for innovation. Strategies for how to identify viable ideas and transform them into businesses are also treated. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202.

Three credit 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 201 and ACCT 202. **Three credit hours.**

MGMT 340.MANAGEMENT OF ORGANIZATIONAL BEHAVIOR

This course provides management students with a framework for understanding how behavior within business organizations is managed. Analyses of situations involving individual and group behavior will be conducted. 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 201. **Three credit hours.**

MGMT 369.SPECIAL TOPICS IN MANAGEMENT

This course allows for the study of management topics which are not a part of the regular course offerings. Special topics will be announced in advance. Course may be repeated up to 3 times provided the topic is different and will count as a business elective or general elective. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. **Three credit hours.**

MARKETING

MKT 201.PRINCIPLES OF MARKETING

This course introduces the marketing concept and how it interacts with other functional areas of the firm, the larger global economy, and society. Main topics discussed in the course include the marketing mix, segmentation, consumer decision making, product development, marketing research, branding, distribution, and communication strategies that inform overall marketing strategy. **Three credit 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 201. **Three credit hours.**

MKT 340.SOCIAL MEDIA MARKETING

This course explores and evaluates how core marketing and business principles (i.e. segmentation, marketing mix, strategic planning, and selling) are used or have been altered through the increased use of social media. The course emphasizes understanding consumers' social interactions, examining the various social media channels available to marketers, learning how to build social marketing strategies, and practicing how to track their effectiveness. Course goals include gaining the relevant knowledge, perspectives, and practical skills required to develop marketing strategies that leverage the opportunities inherent in social media and consumer-to-consumer social interactions for achieving business and marketing goals. Prerequisites: "C" or better in MKT 201 and junior standing. **Three credit hours.**

MKT 369.SPECIAL TOPICS IN MARKETING

This course allows for the study of marketing topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. **Three credit hours.**

MKT 415.MARKETING RESEARCH

This course examines the research methods and techniques applicable to problem solving in marketing. The course emphasizes a management-oriented analysis of marketing phenomena including secondary research, qualitative primary research, survey development, data collection, data analysis, and communicating results. By the end of the course, students will be able to conduct professional-level research needed in today's business environments as well as be able to identify the usefulness of research conducted by others. Prerequisites: "C" or better in MKT 201 and senior standing. **Three credit hours.**

MKT 420.MARKETING MANAGEMENT

This course utilizes a managerial decision-making approach to examine the role of marketing in creating value for the firm. Special emphasis is placed on the tools of segmentation, targeting, and positioning (STP) to develop an optimal marketing mix and more effective strategy. Effective decision-making skills are developed utilizing market analysis techniques and marketing support functions such as marketing research, marketing communication, and new product development. Marketing knowledge and skills are demonstrated in a marketing plan project. Prerequisites: "C" or better in MKT 201 and senior standing. **Three credit hours.**

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 – Scientific and Mathematical Reasoning and Core Academic Skills) **Three credit 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 credit hours.**

MATH 121.MATHEMATICAL APPLICATIONS

This course prepares students for the quantitative reasoning tasks they may encounter in subsequent coursework. It presents a variety of mathematical topics with a focus on their applications. Topics include linear and quadratic functions, systems of linear equations, elementary linear programming, exponential and logarithmic functions, and the mathematics of finance. (The course may not be taken by students who have successfully completed MATH 141). (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) **Three credit 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 – Scientific and Mathematical Reasoning and Core Academic Skills) **Three credit 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 credit hours.**

MATH 134.INTRODUCTION TO MATHEMATICAL PROOF

This course introduces theoretical mathematics and proof techniques using examples from logic, set theory, number theory, calculus, and algebra. Prerequisite: MATH 141. **Three credit 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 – Scientific and Mathematical Reasoning and Core Academic Skills) **Four credit hours.**

MATH 142.SINGLE VARIABLE CALCULUS II

This course covers 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. (General Education – Scientific and Mathematical Reasoning) **Four credit 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 credit 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 credit hours.**

MATH 208.APPLIED LINEAR ALGEBRA

This course provides an introductory overview of linear algebra. Topics include vector and matrix algebra, solutions of systems of linear equations, basis and dimension, eigenvalues and eigenvectors, and matrix decompositions. Students will use technology to apply course content to solve problems in business, computing, and the sciences. Prerequisites: CIS 130 and either MATH 123 or MATH 141. **Three credit hours.**

MATH 211.STATISTICAL METHODS I

This course introduces students to elementary data analysis including graphical methods and descriptive measures; correlation and simple linear regression; the Normal distribution as a model; and the sampling distributions of statistics. Confidence intervals and tests of hypotheses for one mean and one proportion are presented. Bias and sampling plans as well as differences between observational studies and designed experiments are discussed as time allows. (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) **Three credit hours.**

MATH 212. STATISTICAL METHODS II

This course is a continuation of MATH 211. It covers comparing parameters of two or more populations, analysis of count data by means of multinomial distributions and contingency tables, elementary experimental design, analysis of variance methods, inferences for simple linear regression models, and additional topics as time allows. Students make frequent use of a statistical software package. Prerequisite: MATH 211, or MATH 311, or a comparable course with instructor permission. (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) **Three credit hours.**

MATH 213.SUPERVISED MACHINE LEARNING

This course is an overview of machine learning techniques that use labeled data to train an algorithm to make predictions about unlabeled data. It provides an introduction to both linear regression and to classification techniques including logistic regression, K-nearest neighbors, support vector machines, tree-based methods, and neural networks. Prerequisites: DSCI 230, MATH 208, and MATH 211. **Three credit hours.**

MATH 214.UNSUPERVISED MACHINE LEARNING

This course gives an overview of machine learning techniques that are commonly applied to unlabeled data sets. It provides an introduction to the K-means Clustering and Hierarchical Clustering algorithms as well as the use of Principal Component Analysis. Prerequisites: DSCI 230, MATH 208, and MATH 211. **Three credit 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 credit hours.**

MATH 242.DIFFERENTIAL EQUATIONS

This course covers basic theory and solutions of ordinary linear differential equations. The course includes applications in mechanics and vibrations as well as power series solutions at ordinary points and at regular singular

points. Introduction to Laplace transform methods and systems of ordinary differential equations are also covered. Prerequisites: MATH 241. **Four credit 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 credit hours must be the same. This course will not be offered more than once a semester. Prerequisite: Instructor permission. **One to three credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit hours must be the same. This course will not be offered more than once a semester. Prerequisite: Instructor permission. **One to three credit 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 credit hours.**

MATH 422.ABSTRACT ALGEBRA II

A continuation of MATH 421 including fields, ideals, quotient rings, vector spaces, linear transformations and field extensions. Prerequisite: MATH 421. **Three credit 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 credit 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 credit 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 credit 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 credit 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 credit hours in major area and instructor permission. Juniors and seniors only. **One to four credit 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 credit hour.**

MEDIA

MEDA 101.UNDERSTANDING MEDIA

This course is an introduction to the history and critical analysis of media, its impacts, and its methods. A particular emphasis will be placed on the roles and different interactive influences of mass media. (General Education – Humanities and Fine Arts) **Three credit hours.**

MEDA 202.RADIO PRODUCTION

This course presents theory and provides practice in the operation and management of a radio station. Production laboratories and visits to radio stations are required. Prerequisite: MEDA 200 and either SPCH 201 or SPCH 302. **Three credit hours.**

MEDA 209.AUDIO PRODUCTION I

This course introduces sound recording history, digital recording equipment, digital audio workstations, and standard protocols for various audio applications. Prerequisites: MEDA 101 and MEDA 200. **Three credit hours.**

MEDA 110.INTRODUCTION TO MEDIA PRODUCTION

This course is designed to provide students with an introduction to media production systems ranging from microcomputers to broadcast stations. Students will be introduced to industry job descriptions and infrastructures of broadcast stations, commercial production companies, and film crews. Students will also gain hands-on experience with microcomputers to enhance their productivity and efficiency as digital media content creators. **Three credit 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 credit hours.**

MEDA 201.FOUNDATIONS OF PRODUCING AND DIRECTING

This course examines the various aspects of production strategies, such as planning, execution, and communication. Topics include fiscal resources, talent management, scheduling, artistic vision, and directing onscreen actors. Prerequisites: MEDA 101, MEDA 110, and one of the following writing courses: MEDA 261, or MEDA 390, or JOUR 201. **Three credit hours.**

MEDA 204.COMMUNICATIONS DESIGN

This course introduces the study and application of media design principles including basic design principles, typography, color, photography, video, and multimedia. Explorations will focus on the entire design process during this course, including idea development, research, production and presentation. **Three credit hours.**

MEDA 210.TELEVISION APPRECIATION

This course analyzes the cultural and artistic significance of television's prehistory, the Network Era, the Cable Era, and the Digital Era. It also examines television's growth into a convergent technology, a global industry, a social catalyst, and a legitimate art form. (General Education – Humanities and Fine Arts) **Three credit hours.**

MEDA 215.SPORTS MEDIA AND SOCIETY

This course will cover the relationships between the sports industry, athletes, media, and the audience. Students will learn about the evolution of sports media from the early sportswriters to athletes and teams controlling their own message on social media. Course content includes various mediums – newspapers, magazines, books, radio, TV, online, blogs, social media – in terms of history, function, impact, and ethical implications. (General Education – Humanities and Fine Arts) **Three credit hours.**

MEDA 219.COMMUNICATIONS PHOTOGRAPHY

This course explores the practical techniques of digital photography as a communication medium, 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. **Three credit hours.**

MEDA 240.TELEVISION NEWS REPORTING

This introduces television production techniques including 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 permission. **Three credit hours.**

MEDA 261.BROADCAST WRITING

This course explores the writing and reporting skills needed for radio, television, and other electronic media. Assignments include opportunities to write copy and scripts according to standard industry formats, and create scripts for news, feature or sports programs, and promotional materials such as PSAs and commercials. Techniques for selecting video and sound bites for their stories will also be presented. Prerequisite: MEDA 101. **Three credit 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 credit hours total credit. Prerequisites: JOUR 201 and permission of advisor and campus supervisor. **One to three credit 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 credit hours.**

MEDA 304.BROADCAST GRAPHICS

This project-based course introduces broadcast design history, motion media, and modern techniques of broadcast graphic design native to non-linear editing software. Prerequisites: MEDA 204, MEDA 310, and either MEDA 202 or MEDA 209. **Three credit 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 credit hours.**

MEDA 311.THE ART OF THE PODCAST

Students will examine the art form of the podcast by discussing, evaluating, and anatomizing some of the best works in that genre—including podcasts that speak to their individual lives, philosophies, careers, and interests. Students will also explore the hands-on production of podcasts to apply their understanding of audio storytelling. Students will gain basic audio production skills, develop an “ear” for aesthetically pleasing production, and gain a good working knowledge of podcasting/audio story telling. (General Education – Humanities and Fine Arts) **Three credit hours.**

MEDA 312.ADVANCED AUDIO PRODUCTION

This course teaches advanced skills in the area of audio production, specifically in the hands-on production of commercials, PSAs, radio features, news stories, and specialty programs. The course provides the opportunity to participate in on-air duties on XLR (the Lander University campus radio station). The course introduces advanced audio production protocols; explores how to develop an “ear” for aesthetically pleasing production, and thoroughly examines the various radio formats. Prerequisite: MEDA 202 or MEDA 209. **Three credit hours.**

MEDA 315.MULTIMEDIA SPORTS JOURNALISM

This course provides instruction and training in sports information gathering and writing, interviewing and reporting. Students will focus on sports writing skills, basic sports production for radio, generation of sports journalism for radio and the internet, and ethics and values of quality sports reporting. Prerequisites: JOUR 201 and MEDA 200. **Three credit hours.**

MEDA 316.TOPICS IN SPORTS MEDIA

This course focuses on selected topics in sports media. 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. This course may be repeated for additional credit as topics change. Prerequisite: MEDA 215. **Three credit 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 credit 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 credit hours.**

MEDA 343.PR CASES AND CAMPAIGNS

Students will develop an understanding of theoretical and applied principles of public relation 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 credit 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 credit hours.**

MEDA 346.DIGITAL CINEMATOGRAPHY

This project-based class builds on existing knowledge of camera and light systems and covers topics such as composition, lens selection, lighting, and advanced camera movement. Prerequisites: MEDA 201 and MEDA 310, or instructor permission. **Three credit hours.**

MEDA 350.WEB DISTRIBUTION

This class explores and develops fundamental website design principles and protocols for creative content distribution. The course will critically examine historic distribution models, including the advent of online

distribution and provides the opportunity to evaluate and apply design principles to original work. Prerequisite: MEDA 204 or JOUR 203. **Three credit hours.**

MEDA 351.SOCIAL MEDIA

This course will examine today's evolving world of social media communication, focusing on the unique features and benefits of today's most widely used platforms. Topics will include search engine optimization, social media research, consumer behavior, strategic planning, and social media campaigns. Prerequisite: MEDA 101. **Three credit 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 instructor permission. **Three credit 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 and Fine Arts) **Three credit 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 and Fine Arts) **Three credit 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 and Fine Arts) **Three credit 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 – Humanities and Fine Arts) **Three credit hours.**

MEDA 390.SCRIPTWRITING

This course explores the mechanics and formats for stage, television/film, and radio writing with practical application achieved through the production of scripts. All students will be required to complete a short script. Scripts will receive public readings and selected short script(s) will be produced in the appropriate media. Prerequisite: ENGL 102. **Three credit hours.**

MEDA 401.SPECIAL TOPICS IN DIGITAL MEDIA PRODUCTION

This course focuses on specific topics in digital media and non-traditional production. Topics address a subject that is not normally covered in the curriculum or that provide additional in-depth study on a particular topic. This course may be repeated for a maximum of 6 credit hours as the topic changes. Prerequisites: MEDA 202 and MEDA 310, or instructor permission. **Three credit hours.**

MEDA 402.SHORT FILM PRODUCTION

This course entails the creation of short, narrative films to be submitted to film festivals. The course is structured to operate within a film team dynamic, and specific production roles are assigned. Prerequisites: MEDA 310 and either MEDA 202 or MEDA 209, or instructor permission. **Three credit hours.**

MEDA 403.ADVANCED BROADCAST GRAPHICS

Specific hardware and software, will be used to design and deploy original graphics packages for use in a variety of broadcast scenarios including live streams. Prerequisite: MEDA 304 or instructor permission. **Three credit hours.**

MEDA 410.ADVANCED DIGITAL VIDEO PRODUCTION

This course provides hands-on experience in the application of techniques of television and video production. Course assignments include the team-based production of short films and informational videos. Prerequisites: MEDA 240 or MEDA 310, or instructor permission. **Three credit 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 credit 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 credit hours.*

MEDA 460.EMERGING MEDIA

This course explores emerging tools and practices of the constantly evolving media environment. Assignments include research into emerging media technology and the hands-on application of that research. Prerequisites: JOUR 201, MEDA 202, and MEDA 310 or instructor permission. *Three credit hours.*

MEDA 490.STUDENT MEDIA INTERNSHIP

This on-campus internship is designed to give students a practical, co-curricular work experience under the direct supervision of a faculty advisor for The Forum Student Newspaper, XLR Lander Radio, the Lander Film Festival, or LUX Studios. The course may be repeated for no more than six total credit hours toward the Media and Communication major. Prerequisite: Instructor permission. *One to three credit hours.*

MEDA 491.INTERNSHIP IN MEDIA AND COMMUNICATION

This 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. Prerequisite: Junior/senior standing or instructor permission. *One to six credit hours.*

MEDA 498.DIGITAL MEDIA PRODUCTION EXIT PROJECT

This course challenges students to focus their cumulative knowledge and skill on an individualized capstone project that meets program standards. A panel of department professors, peers, and/or external reviewers will evaluate the work. This class is reserved for junior and senior level students who have completed more than 50 hours in the degree program. Graded pass/fail. *Two credit hours.*

MEDA 499.SENIOR CAPSTONE

This is a senior capstone course addressing topics including exploration of careers and graduate schools for mass communications and media, professionalism, and preparation of resumes and portfolios. There is also a research project and an exit assessment evaluation. Restricted to Mass Communications and Media Studies majors with senior status. *One credit hour.*

MILITARY SCIENCE AND LEADERSHIP

MSL 101.LEADERSHIP PERSONNEL DEVELOPMENT

This course introduces the competencies necessary for effective leadership as well as the personal challenges posed by leadership. The course focuses on the development of personal life skills such as critical thinking, goal setting, time management, physical fitness, and stress management, and on how these skills relate to leadership, officership, and the Army profession. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 101L. *Two credit hours.*

MSL 101L.BASIC LEADERSHIP LABORATORY I

ROTC leadership laboratories unite all elements of classroom instruction in field training, focusing on basic knowledge and comprehension of Army leadership dimensions. This freshman-level laboratory is designed to introduce 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 is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 101. *One credit hour.*

MSL 102.FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP

This course reinforces and further develops the leadership themes introduced in MSL 101, with a special focus on the basic processes of communication and the importance of developing skills to communicate effectively in the Army. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 102L. *Two credit hours.*

MSL 102L.BASIC LEADERSHIP LABORATORY I

ROTC leadership laboratories unite all elements of classroom instruction in field training, focusing on basic knowledge and comprehension of Army leadership dimensions. This freshman-level laboratory is designed to introduce 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 is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 102. **One credit hour.**

MSL 201.INNOVATIVE TEAM LEADERSHIP

This course explores creative and innovative tactical leadership styles and strategies. Two historical leadership theories are examined – trait theory and behavior theory; these theories form the basis of the Army leadership framework. Personal motivation and team building skills are developed through participation in leadership labs as well as in the planning, execution, and assessment of team exercises. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 201L. **Two credit hours.**

MSL 201L.BASIC LEADERSHIP LABORATORY II

The laboratory exercises of this course reinforce and further develop the principles and skills introduced in Basic Leadership Laboratory I, bringing together all elements of classroom instruction in field training, focusing on knowledge and comprehension of Army leadership dimensions. This sophomore-level laboratory is designed to reinforce and refine 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 is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 201. **One credit hour.**

MSL 202.ARMY DOCTRINE AND TEAM DEVELOPMENT

This course focuses on the competencies related to team development and Army doctrine. The course emphasizes Army values, teamwork, the warrior ethos, and their relationship to the philosophy of military service and the Law of Land Warfare. Team building exercises concentrate on the ability to lead and follow through, and are facilitated by MSL III Cadets and supervised by Cadre. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 202L. **Two credit hours.**

MSL 202L.BASIC LEADERSHIP LABORATORY II

The laboratory exercises of this course reinforce and further develop the principles and skills introduced in previous Basic Leadership Laboratories, bringing together all elements of classroom instruction in field training, focusing on knowledge and comprehension of Army leadership dimensions. This sophomore-level laboratory is designed to reinforce and refine 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 is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 202. **One credit hour.**

MSL 301.TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS

This course provides advanced study, practice, and application of Army leadership and officership skills, Army values and ethics, professional development, and small unit tactics at the platoon level. The course focuses on planning, coordinating, navigating, motivating, and leading a squad and platoon in the execution of a mission during a classroom PE, a leadership lab, or during a Field Training Exercise (FTX). During the semester, periodic evaluation of peers' leadership abilities and how to improve them is given and received. Further feedback on leadership attributes, values, and core competencies is provided by the instructor, other ROTC cadre, and MSL IV cadets, according to the Cadet Officer Evaluation Report (COER). This course serves as preparation for Summer ROTC Advanced Camp held in Fort Knox, KY. Three hours lecture, 3 hours off-campus lab weekly. Prerequisites: MSL 101, MSL 102, MSL 201, and MSL 202 or four years of high school JROTC or completion of the U.S. Army Basic Training or Cadet Command Basic Camp. Co-requisite: MSL 322. **Four credit hours.**

MSL 302.APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS

This course focuses on applied leadership in small unit operations. Cadets will study, practice, and apply the fundamentals of direct level leadership and small unit tactics at the platoon level. At the conclusion of this course, Cadets will be capable of planning, coordinating, navigating, motivating, and leading a platoon in the execution of a mission. The course includes weekly labs held off campus using peer facilitation overseen by MSL Ivs, supervised by ROTC Cadre. Successful completion of this course will help prepare Cadets for the Cadet Summer Training Advance Camp held in the summer at Fort Knox, KY. (3 hrs. classroom, 3 hrs. lab, weekly). Prerequisite: MSL 301. **Four credit hours.**

MSL 322.ARMY PHYSICAL FITNESS ROTC

Physical fitness training laboratories develop, maintain, and improve the high levels of physical strength and stamina required to be a successful Army officer. Training includes basic nutrition, distance running, muscular strength and endurance, flexibility, and recreational activities. Other coursework includes planning daily activities and leading training events, focusing on form and endurance for maximum training effectiveness. Proper Army performance procedure provides the standards for evaluation, including a monthly Army Physical Fitness Test. Three hours lab weekly. Credit is awarded only once, although contracted cadets in ROTC must take this course each academic term. **One credit hour.**

MSL 371.SPECIAL TOPICS IN MILITARY SCIENCE AND LEADERSHIP

This is a special theme course that may include experimental and interdisciplinary courses, special trips, and research topics. This course can be repeated for additional credit as the topic changes. Prerequisites: Sophomore status or above and instructor permission. **One to three credit hours.**

MSL 401.THE ARMY OFFICER

This is a senior-level course that focuses upon development of the Army Officer. Cadets develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. Cadets learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course, Cadets will be familiar with how to plan, prepare, execute, and continuously assess the conduct of training at the company or field grade officer level. This course includes a weekly lab held off-campus overseeing MSL III lesson facilitation and supervised by ROTC Cadre. (3 hrs. classroom, 3 hrs. lab, weekly). Prerequisite: MSL 302. **Four credit hours.**

MSL 402.COMPANY GRADE LEADERSHIP

This senior-level course develops knowledge, skills, and abilities required of junior officers pertaining to the Army in Unified Land Operations and Company Grade Officer roles and responsibilities. The Oral Practicum explores how Cadets will be prepared for the 20 Army Warfighting Challenges (AWFC) covered throughout the ROTC Advanced Course. Successful completion of this course will help prepare Cadets for BOLC B course and is a mandatory requirement for commissioning. This course includes a weekly lab held off-campus overseeing MSL III lesson facilitation and supervised by ROTC Cadre. Prerequisite: MSL 401. (3 hrs. classroom, 3 hrs. lab, weekly). Prerequisite: MSL 401. **Four credit 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. The student will plan and coordinate with the Professor of Military Science to determine the location of the internship and schedule necessary conferences throughout the term. The student will prepare and submit a final written report of the internship project. Prerequisite: Permission of the Professor of Military Science. This course may be repeated for additional credits with the permission of the Professor of Military Science. **One to four credit hours.**

MONTESSORI

See pages 355-356.

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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 – Humanities and Fine Arts) **Three credit 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 credit 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 credit 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 credit hour.**

MUSI 124.PIANO CLASS II

See MUSI 123. Prerequisite: MUSI 123 or instructor permission. Offered in spring semester. **One credit 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 credit hour.**

MUSI 126.VOICE CLASS II

See MUSI 125. Prerequisite: MUSI 125 or instructor permission. Offered in spring semester. **One credit hour.**

MUSI 131.STRINGS AND WOODWINDS

Characteristics and techniques peculiar to bowed stringed and woodwind instruments. For music majors. **One credit hour.**

MUSI 132.BRASS AND PERCUSSION

Characteristics and techniques peculiar to brass and percussion instruments. For music majors. **One credit 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 credit 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 credit 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 credit hour.**

MUSI 144.PEP BAND

Students will study and perform music for basketball band. The course is open to all students by audition or invitation and may be repeated for additional credit. Graded Pass/Fail. **Zero to one credit 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 credit 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 credit 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 credit 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 – Humanities and Fine Arts) **Three credit 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 credit 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 credit 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 credit hours.**

MUSI 223.PIANO CLASS III

See MUSI 123. Prerequisite: MUSI 124 or instructor permission. Offered in fall semester. **One credit hour.**

MUSI 224.PIANO CLASS IV

See MUSI 123. Prerequisite: MUSI 223 or instructor permission. Offered in spring semester. *One credit hour.*

MUSI 225.VOICE CLASS III

See MUSI 125. Prerequisite: MUSI 126 or instructor permission. Offered in fall semester. *One credit hour.*

MUSI 226.VOICE CLASS IV

See MUSI 125. Prerequisite: MUSI 225 or instructor permission. Offered in spring semester. *One credit 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. Prerequisites: MUSI 212 and 214 (Second Year Theory) or instructor permission. May be taken up to four times with instructor permission. *Two credit 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 credit 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 credit hours.*

MUSI 315.METHODS OF TEACHING CHORAL MUSIC

This course addresses the basic principles of organization and administration of a complete school choral program at both the elementary and secondary levels. Clinical observations in school settings are required. This is a required course for students pursuing music, K-12 teacher certification with a choral emphasis and for students pursuing music, K-12 teacher certification with a keyboard emphasis. Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212, MUSI 214, and EDUC 203. Offered in fall semester as needed. *Three credit hours.*

MUSI 317.METHODS OF TEACHING INSTRUMENTAL MUSIC

This course addresses the basic principles of organization and administration of a complete school choral program at both the elementary and secondary levels. Clinical observations in school settings are required. This is a required course for students pursuing music, K-12 teacher certification with an instrumental emphasis. Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212, MUSI 214, and EDUC 203. Offered in fall semester as needed. *Three credit hours.*

MUSI 318.METHODS OF TEACHING ORCHESTRAL MUSIC

This course addresses the basic principles of organization and administration of a complete school choral program at both the elementary and secondary levels. Clinical observations in school settings are required. This is a required course for students pursuing music, K-12 teacher certification with an instrumental emphasis. Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212, MUSI 214, and EDUC 203. *Three credit 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 credit hour.*

MUSI 333.MUSIC OF THE WORLD

This course examines the influence and evolution of non-Western musical styles, the cultural values associated with musical practices, and the interaction between music and dance, theater, visual art, religion, and politics. Because musical examples will come from recordings, students do not need to be able to read music to take the class. The course's goals include knowledge about other cultures' modes of expression, the ability to distinguish music from culturally distinct parts of the world, and understanding of the relationships between world musical traditions and systems of patronage, colonialism, cultural appropriation, and the commercial music industry. Prerequisite: Junior or senior status. (General Education – World Cultures and Humanities and Fine Arts) *Three credit 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 credit 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 credit 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 credit hours.**

MUSI 345.MUSIC OF ANTIQUITY, MIDDLE AGES, RENAISSANCE, AND BAROQUE

This course provides a survey of western art music from 800 B.C. to 1750 A.D. Students consider principal composers, genres, and styles and perform detailed analysis of representative works. Students also study bibliographic materials. Prerequisite: "C" or better in MUSI 201. **Three credit hours.**

MUSI 346.MUSIC OF THE CLASSIC, 19TH, 20TH, AND 21ST CENTURIES

This course provides a survey of western art music from 1750 through the present day. Students examine principal composers, genres, and styles and perform detailed analysis of representative works with emphasis on contemporary idioms. Students also study bibliographic materials. Prerequisite: "C" or better in MUSI 201. **Three credit 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 credit hours.**

MUSI 376.TOPICS IN MUSIC HISTORY

This course focuses on selected topics in music history and includes subjects not offered as a part of the existing music curriculum. This course may be repeated for additional credit as the topic changes. (General Education – Humanities and Fine Arts) **Three credit hours.**

MUSI 377.HISTORY OF JAZZ

This course examines the history of jazz, from its African roots and the 19th century precursors to the present time. The course includes a survey of performing artists, groups, and genres, including African-American folk forms, ragtime, New Orleans, swing, Latin jazz, bebop, and other movements. Special attention will be given to pivotal figures in the history of jazz. Guided listening will build understanding of the form and structure of jazz. (General Education – Humanities and Fine Arts) **Three credit hours.**

MUSI 378.HISTORY OF ROCK 'N' ROLL

Designed as an overview of the evolution of rock music from the 20th century through the present day, the course focuses on the development of rock music from its roots in blues, folk, country, and pop styles to the musical trends of sixties rock to the changes in rock music in the seventies, eighties, nineties, and 21st century. The course explores the sociological, economic, and cultural factors that continue to shape this musical phenomenon. (General Education—Humanities and Fine Arts) **Three credit 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 permission. Offered when needed. May be repeated for additional credit. **One credit 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 permission and 4 semesters study in the applied field of the recital. Offered when needed. **One credit 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 credit 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 credit 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 credit 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 23 and page 114.

Applied subjects offered:

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

NURSING

NURN 203.STRATEGIES FOR WELLNESS

This course provides a survey of holistic approaches to retain personal wellness. Emphasis is placed on the identification and modification of health risk factors and the development of a plan for personal wellness. This course includes an activity component for implementation of a personal wellness plan. Prerequisite: Registration limited to students enrolled in online degree programs or instructor permission. **Three credit hours** (3,0).

NURN 290.SPECIAL PROJECTS IN NURSING

This 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 instructor permission. **One to three credit hours** (1-3,0).

NURN 291.COMPLEMENTARY AND ALTERNATIVE PRACTICES IN NURSING

This course identifies common complementary and alternative treatments under each of the four major domains identified by the National Center for Complementary and Alternative Medicine; describes the equipment needed, the primary therapeutic use, the complications and contraindications identified, and the implications for nursing practice for the most commonly used complementary and alternative health practices. This course will cover how to discriminate between practices with respect to scientific validation of clinical effects and define terms used in complementary and alternative health. Prerequisite: Instructor permission. **Three credit hours (3,0).**

NURN 292.HOLISTIC END OF LIFE CARE ACROSS THE LIFESPAN

This course provides 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: Instructor permission. **Three credit hours (3,0).**

NURN 303.NURSING RESEARCH

In this course, 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 the learner's previous experiences with problem solving and focuses on incorporating nursing research into nursing practice. Pre-or co-requisite: NURN 307 or instructor permission. Prerequisites: MATH 211. **Three credit hours (3,0).**

NURN 304.PATHOPHYSIOLOGIC BASES OF NURSING PRACTICE FOR REGISTERED NURSES

This course will examine 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. This course builds on the learner's knowledge of biochemistry, human anatomy and physiology, microbiology, human development, and clinical nursing practice. Pathophysiologic changes at the cellular, tissue, organ, system, and multi-system levels will also be examined. This course includes diagnostic testing and physical assessment specific to the disease processes studied. This course will incorporate implications for health and nursing strategies. Prerequisites: "C" or better in BIOL 203. **Three credit hours (3,0).**

NURN 307.PROFESSIONAL TRANSITION FOR REGISTERED NURSES

This course provides a bridge to the baccalaureate curriculum. The course integrates the 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 credit hours (4,0).**

NURN 310.CULTURAL PERSPECTIVES IN GLOBAL HEALTH

This course explores how cultural, political, economic, and social factors impact health status for selected populations. Specific emphasis will be given to the influence of culture on health. Each section of NURN 310 will focus on the cultures and sub-cultures within a specific region. Prerequisite: Admission to the RN-BSN Completion Option, or instructor permission. (General Education – World Cultures). **Three credit hours.**

NURN 340.ENHANCED PHYSICAL ASSESSMENT FOR RNS

This course includes nursing theory and practice in the physical assessment of the well individual. The course emphasizes the physiological and includes psychological, sociocultural, spiritual, and developmental variables included in the Neuman Systems Model. The course provides the opportunity for Registered Nurses to expand their skills in obtaining a health history and to enhance physical assessment skills utilized in a physical examination. Prerequisites or co-requisites: NURN 307, NURN 304, or instructor permission. **Three credit hours (2,1).**

NURN 370.ADVANCED TOPICS IN NURSING

This course 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 School of Nursing. Themes reflect diverse topics and may change each semester. This course may be repeated for additional credit as topics change. Prerequisite or co-requisite: NURN 307 or instructor permission. **One to three credit hours (1-3,0).**

NURN 371.INTERNATIONAL SERVICE LEARNING.

This course provides 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 the trip. Additional fees are charged for costs beyond tuition. Prerequisite: Instructor permission. **Three credit hours (3,0).**

NURN 372.HEALTHCARE GENOMICS

This course provides a mechanism for in-depth study of the special area of genomics and the implications for health care professionals. The course includes applications of evolving genomic technology and services. Ethical, legal, and social implications of genomic technological advances are also addressed in this course. Prerequisite: instructor permission. **Three credit hours (3,0).**

NURN 373.SPIRITUALITY IN NURSING

This course incorporates 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 or co-requisite: NURN 307, or instructor permission. **Three credit hours (3,0).**

NURN 412.NURSING LEADERSHIP AND MANAGEMENT

In this course, the student will synthesize nursing theory and practice while using the nursing process to plan and coordinate care focusing on agencies as clients. Synthesizing nursing, leadership, and management theories, the student will learn to effect change in the health care delivery system. The student will incorporate decision-making experiences in multidisciplinary groups. Prerequisite or co-requisite: NURN 307, or instructor permission. **Two credit hours (2,0).**

NURN 417.COMMUNITY NURSING

This course incorporates nursing theory and practice utilizing 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. Epidemiology, biostatistics, and public health concepts are incorporated into the course. Prerequisite or co-requisite: NURN 307, or instructor permission. **Five credit hours (3,2).**

NURN 499.PROFESSIONAL DEVELOPMENT IN NURSING

This course is an examination of nursing's present dynamics and future directions with emphasis on professional development, career structuring, and advanced preparation in nursing. The course 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. Prerequisite or co-requisite: NURN 307 or instructor permission. **Two credit hours (2,0).**

NURS 111.MEDICAL TERMINOLOGY

This course is an introduction to the fundamentals of medical terminology including roots, prefixes, and suffixes with an emphasis on spelling, definition, and pronunciation. **One credit hour.**

NURS 165.HISTORY AND TRENDS IN NURSING.

This course provides an orientation to nursing and to the conceptual bases of nursing, health and nursing education. The 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: "C" or better in BIOL 202 and admission to the nursing major. **Two credit hours (2,0).**

NURS 203.STRATEGIES FOR WELLNESS

This course provides a survey of holistic approaches to retain personal wellness. This course emphasizes the identification and modification of health risk factors and the development of a plan for personal wellness. **Two credit hours (2,0).**

NURS 232.PHARMACOLOGY BASICS

This course introduces the basic concepts of pharmacology, including pharmacodynamics (legal, ethical, and cultural considerations), and lifespan considerations. This course provides the mathematical operations needed to calculate medication dosages. Introduction to medication administration will be also be taught along with opportunities for clinical practice. Prerequisite: "C" or better in NURS 235 and NURS 304. **Two credit hours (1,1).**

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 235 and NURS 304. **Three credit 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 lifespan based on the Neuman Systems Model concepts. The course integrates human development, normal nutrition, teaching-learning concepts, health promotion, and early detection of disease. Prerequisite: "C" or better in NURS 165. **Three credit hours (3,0).**

NURS 240.PHYSICAL ASSESSMENT

This course focuses on nursing theory and practice in the physical assessment of the well individual. It emphasizes the physiologic 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 235 and NURS 304. **Three credit 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. The emphasis of the course is on nursing care skills essential to promote comfort and meet treatment needs, with opportunity for experiential learning. Prerequisites: "C" or better in NURS 235 and NURS 304. **Five credit hours (3,2).**

NURS 290.SPECIAL PROJECTS IN NURSING

This 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. Topics may change each semester. Prerequisite: second semester sophomore nursing status. **One to three credit hours (1-3,0).**

NURS 291.COMPLEMENTARY AND ALTERNATIVE PRACTICES IN NURSING

This course is an introduction to Complementary and Alternative Medicine Therapies (CAM). Major therapies identified by the National Center for Complementary and Integrative Health (NCCIH) are explored including the evidence to support their use, safety and contraindications for use, and training of CAM practitioners. Special attention is given to therapies most commonly integrated into holistic nursing practice and evidence-based decision-making regarding CAM use and its integration into health care and health promotion. **Three credit hours. (3,0).**

NURS 292.HOLISTIC END OF LIFE CARE ACROSS THE LIFESPAN

This course introduces key concepts, social science theories, and research relevant to death and dying issues and palliative care. Students will use the Neuman Systems Model to study the processes related to grief and mourning from the clients' perspective throughout their lifespan and across different cultures. The course will also focus on the needs of the dying patient and critical end-of-life care. **Three credit hours (3,0).**

NURS 293.NURSING LEADERSHIP

This course utilizes discussion and advanced study on selected topics not covered in general courses. This course provides 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. Pre-requisite: Instructor permission. **One credit hour (1,0).**

NURS 303.NURSING RESEARCH

In this course, 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 the learner's previous experiences with problem solving and focuses on incorporating nursing research into nursing practice. Prerequisites: "C" or better in NURS 345, NURS 346, and NURS 393 or by instructor permission. **Three credit hours (3,0).**

NURS 304.PATHOPHYSIOLOGIC BASES OF NURSING PRACTICE

This course will examine 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. This course builds on the learner's knowledge of biochemistry, human

anatomy and physiology, microbiology, human development, and clinical nursing practice. Pathophysiologic changes at the cellular, tissue, organ, system, and multi-system levels will also be examined. This course includes diagnostic testing and physical assessment specific to the disease processes studied. This course will incorporate implications for health and nursing strategies. Prerequisites: “C” or better in BIOL 202 and BIOL 203 and admission to the nursing major. **Three credit hours (3,0).**

NURS 310.CULTURAL PERSPECTIVES IN GLOBAL HEALTH

This course explores how cultural, political, economic, and social factors impact health status for selected populations. Specific emphasis will be given to the influence of culture on health. Each section of NURS 310 will focus on the cultures and sub-cultures within a specific region. (General Education – World Cultures). **Three credit hours.**

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 NURS 232, NURS 233, NURS 240, and NURS 242. **Five credit hours (3,2).**

NURS 346.MEDICAL-SURGICAL NURSING II

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 NURS 232, NURS 233, NURS 240, and NURS 242. **Five credit hours (3,2).**

NURS 370.ADVANCED TOPICS IN NURSING

This course 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 School of Nursing. Themes reflect diverse topics and may change each semester. This course may be repeated for additional credit as topics change. Prerequisite: Instructor permission. **One to three credit hours (1-3,0).**

NURS 371.INTERNATIONAL SERVICE LEARNING

This course provides 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 the trip. Additional fees are charged for costs beyond tuition. Prerequisite: Instructor permission. **Three credit hours (3,0).**

NURS 372.HEALTHCARE GENOMICS

This course provides a mechanism for in-depth study of the special area of genomics and the implications for health care professionals. The course will include applications of evolving genomic technology and services. Ethical, legal, and social implications of genomic technological advances will also be addressed in this course. **Three credit hours (3,0).**

NURS 373.SPIRITUALITY IN NURSING

This course incorporates 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. **Three credit hours (3,0).**

NURS 392.CHILDBEARING FAMILY AND WOMEN’S HEALTH

This course focuses on nursing theory and practice using the nursing process and the Neuman Systems Model to provide primary, secondary, and tertiary interventions to females throughout the life span, with an emphasis on the childbearing family system. This course incorporates the holistic approach of physiological, psychological, developmental, spiritual, and sociocultural variables. Prerequisites: “C” or better in NURS 345, NURS 346, and NURS 393 **Four credit hours (3,1).**

NURS 393.MENTAL HEALTH NURSING

This course focuses on nursing and practice using physiological, psychological, sociocultural, spiritual, and developmental theories to formulate interventions to attain and maintain optimal mental wellness across the lifespan. 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, and NURS 242. **Four credit hours (3,1).**

NURS 408.CRITICAL CARE NURSING

This course focuses on nursing theory and practice based on the nursing process and the Neuman Systems Model with emphasis on secondary and tertiary prevention/intervention. The course focuses on acute and chronic multi-system stressors and critical care interventions for clients across the life span. Prerequisites: “C” or better in NURS 345, NURS 346, and NURS 393. **Four credit hours (3,1).**

NURS 409.PEDIATRIC NURSING

This course focuses on nursing theory and practice using the nursing process and the Neuman Systems Model in care of clients from infancy through adolescence. This course also focuses on family-centered, developmentally supportive care for clients in various settings by incorporating primary, secondary, and/or tertiary nursing interventions. Prerequisites: “C” or better in NURS 345, NURS 346, and NURS 393. **Four credit hours (3,1).**

NURS 410.SENIOR RESEARCH SYNTHESIS I

This course builds on NURS 303 by introducing scientific inquiry and principles of evidence-based practice. Students will be guided in appraisal of research, developing research questions, and training for protection of human subjects involved in research. Prerequisites: First semester senior status or recommendation from nursing academic advisor. **Two credit hours (2,0).**

NURS 412.NURSING LEADERSHIP AND MANAGEMENT

In this course, the student will synthesize nursing theory and practice while using the nursing process to plan and coordinate care focusing on agencies as clients. Synthesizing nursing, leadership, and management theories, the student will learn to effect change in the health care delivery system. The student will incorporate decision-making experiences in multidisciplinary groups. This course will be taken in the final semester of student’s program. Prerequisites: “C” or better in NURS 303, NURS 393, NURS 408, and NURS 499. **Four credit hours (2,2).**

NURS 415.EPIDEMIOLOGY AND BIOSTATISTICS

This course introduces and applies the principles of epidemiology and study design needed to support population-based and community-health assessment and evaluation. Basic and more advanced methods are covered as appropriate, with applications to public health and community contexts, and integration with biostatistics. **Three credit hours.**

NURS 417.COMMUNITY NURSING

This course incorporates nursing theory and practice utilizing 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. Epidemiology, biostatistics, and public health concepts are incorporated into the course. Prerequisites: “C” or better in NURS 303, NURS 392, NURS 408, and NURS 499. **Four credit hours (3,1).**

NURS 425.HEALTH PROMOTION PROGRAM PLANNING

This course provides instruction in the development, delivery, and evaluation of health programs to targeted populations. The course focuses on proposal writing, workshop planning and special programing for target groups, communities, and populations. Students will also learn how to present their program proposals in both written and oral formats. **Three credit hours.**

NURS 435.HEALTH PROMOTION MEASUREMENT AND EVALUATION

This course will examine methods, techniques, and resources used in advocacy for and implementation of health promotion and wellness programs. Students will also learn to critically assess the adequacy of evaluations and how to plan and pilot test an evaluation. **Three credit hours.**

NURS 460.CLINICAL PROBLEM SOLVING

This course provides enhancement of critical thinking skills to solve clinical problems in simulated client case situations. The course synthesizes application of nursing process, interdisciplinary collaboration, and the Neuman Systems Model for clients with complex, multidimensional stressors. This course is taken in the final semester of

student's program. Prerequisites: "C" or better in NURS 303, NURS 392, NURS 408, and NURS 499. **Three credit hours (3,0).**

NURS 480.SENIOR RESEARCH SYNTHESIS II

This course involves development and completion of a Research Synthesis Project. The project focuses on 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, completion of NURS 410 with minimum grade of "B" and recommendation of NURS 410 course faculty and a faculty mentor for NURS 480. **Three credit hours (3,0).**

NURS 499.PROFESSIONAL DEVELOPMENT IN NURSING

This course is an examination of nursing's present dynamics and future directions with emphasis on professional development, career structuring, and advanced preparation in nursing. The course 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 345, NURS 346, and NURS 393. This course is taken in final year of nursing coursework. **Two credit hours (2,0).**

PARALEGAL STUDIES

LEG 308.LAW, POLITICS, AND SOCIETY

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 the law in American society. Cross-listed with POLS 308. Prerequisite or co-requisite: POLS 101. **Three credit hours.**

LEG 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. Cross-listed with POLS 311. Prerequisite: "C" or better in POLS 101. **Three credit hours.**

LEG 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. Cross-listed with POLS 312. Prerequisite: "C" or better in POLS 101. **Three credit hours.**

LEG 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. Cross-listed with POLS 313. Prerequisite: "C" or better in POLS 101. **Three credit hours.**

LEG 366.INTERNATIONAL LAW

This course looks at the historical evolution, development, and functions of international law. It explores how Western culture created the foundations of international law and illustrates how today's diversity of human experience contributes to controversies in international law, particularly in issues and conceptions of justice and human rights. The course will showcase how law emerges from specific religious and cultural traditions that connect with the history and politics of societies. Students will gain the tools to analyze international law and explore the impact of power differentials between states as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/Senior status recommended. Cross-listed with POLS 366. Prerequisite: "C" or better in POLS 101. (General Education –World Cultures) **Three credit hours.**

LEG 371.SPECIAL TOPICS IN LEGAL STUDIES

This course provides instruction on specialized areas of the law (e.g., contracts; family; insurance; litigation; property; real estate; torts; wills, trusts, and estate; etc.) that graduates may encounter in a professional setting. Prerequisite: LEG 308, or permission of the program director. **Three credit hours.**

LEG 499.ADVANCED LEGAL RESEARCH

This course enhances students' legal research skills to be prepared them for various workplace settings that include a private law firm, governmental agency, non-profit organization, or private enterprise. It builds or reinforces knowledge, skills, and abilities important for success in any legal career. This course also includes assessment

requirements for the University and the Paralegal Studies program. Prerequisite: “C” or better in LEG 308. **Three credit hours.**

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 and Fine Arts) **Three credit 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 – Humanities and Fine Arts) **Three credit hours.**

PHIL 203.ETHICAL ADVOCACY

This course explores a variety of ethical foundations with an eye towards the development of a moral standpoint. The focus will be on in-class projects involving the application of critical thinking, salient information-gathering, responsible leadership, ethical advocacy, and values-oriented commitment. Project-based applications will be developed in tandem with frequent application of public speaking. **Three credit hours.**

PHIL 205.CONTEMPORARY MORAL DILEMMAS

This course is a critical survey of contemporary moral dilemmas with an applied focus on what values are, and how they differ from facts; how moral regard is shaped and maintained; how virtues differ from obligations; and how better ethical choices might be made through the exercise of due consideration and the application of habituated, moral judgment to particular cases. Topics are current and variable. Scholarly sources will be drawn from both secular and religious orientations. (General Education – Behavioral and Social Perspectives). **Three credit 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 and Fine Arts) **Three credit hours.**

PHIL 305.PHILOSOPHY OF RELIGION

This course provides philosophical examination of various aspects of religion, including topics such as the nature of religion, existence of God, rationality of religious belief, problem of evil, and the varieties of religious experience. Western and Non-western perspectives will be considered. **Three credit 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 and Fine Arts) **Three credit hours.**

PHIL 312.ASIAN PHILOSOPHY

This course is a study of 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 – Humanities and Fine Arts) **Three credit 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 and Fine Arts) **Three credit hours.**

PHIL 325.BIOETHICS

This important area of applied ethical study involves critical reflection upon issues arising out of the clinical setting that involve questions having to do with patient autonomy, informed consent, medical scarcity, the determination of medical futility, and end-of-life decision-making (i.e., palliative care), from both a domestic as well as international point of view. **Three credit 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 and Fine Arts) **Three credit hours.**

PHYSICAL EDUCATION and EXERCISE SCIENCE

The following courses are required of all physical education majors and exercise science 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit 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 credit hour.**

V. PHYSICAL FITNESS

PEES 142.CARDIO YOGA

This course combines aerobic exercise with yoga. Assignments include developing an aerobic exercise training program and learning proper positions and form for a variety of yoga poses that will improve balance, coordination, agility, flexibility, and muscular endurance. **One credit hour.**

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 credit 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 credit 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 credit 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. Physical Education and Exercise Science majors must earn a “C” or better. Prohibited to students currently enrolled in or having earned credit in NURN 203. **Two credit hours.**

PEES 176.WELLNESS FOR LIFE ACTIVITY

The course is designed to provide the student an opportunity to engage in active participation of healthy lifetime activities. This course may be taken for one additional credit with a change in activity. Physical Education and Exercise Science majors must earn a “C” or better. **One credit 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 instructor permission. **Two credit 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 credit 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 credit 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 credit 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 credit 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 credit hours.**

PEES 219.HISTORICAL AND PHILOSOPHICAL PRINCIPLES OF PHYSICAL EDUCATION AND EXERCISE SCIENCE

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 credit hours.**

PEES 221.FUNDAMENTAL CONCEPTS IN ATHLETIC TRAINING

The course introduces students to the athletic training profession and to the types of scientific knowledge and skills utilized by an athletic trainer. Emphasis will be placed on comprehensive injury prevention and primary injury management. The course will include lab instruction in taping, bracing, equipment fitting, and other fundamental skills utilized in athletic training. Two hours lecture and one hour laboratory weekly. Prerequisite: Exercise Science Level II program status. **Three credit 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 credit 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 credit 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 credit 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 credit 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 credit hours.**

PEES 283.INTRODUCTION TO EXERCISE SCIENCE

This preparatory course exposes early Exercise Science majors to various skill-based components needed for successful navigation through the Exercise Science major. Examples include laboratory report writing, article dissemination, graphing, and text formatting. Educational aspects that raise awareness to departmental- and university-related requirements and offerings are examined. In addition, topics such as professionalism and career development are discussed. ***One credit 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 credit 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 credit 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 credit 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 credit hours.***

PEES 310.KINESIOLOGY AND EXERCISE BIOMECHANICS

This course is 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. Laboratory sessions are an integral and important aspect of this course. 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 credit 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 credit 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 credit 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 credit hours.***

PEES 325.HUMAN SEXUALITY

The course offers an integrated view of the physiological, psychological, social and cultural factors that affect human sexuality. The students explore the impact of the lifestyles and values of different cultures on human sexuality. Junior/Senior status required. (General Education – Behavioral and Social Perspectives) **Three credit 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 credit 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 credit 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: “C” or better in PEES 311. **Three credit 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 credit 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 credit hours.**

PEES 370.SPECIAL TOPICS IN PHYSICAL EDUCATION AND EXERCISE SCIENCE

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 credit 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 credit 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 credit 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. Instructor permission. **One credit 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 instructor permission. **Three credit 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 credit 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 credit 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 credit 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 credit hours.**

PEES 461.CLINICAL PRACTICE

Observation, participation and supervised teaching in the public schools. Prerequisite: Formal admission to Teacher Education Program. **Eleven credit hours.**

PEES 490.INTERNSHIP I

The first of two internships designed to give PEES majors practical work experience. Students must apply one semester prior to the semester in which they wish to have the work experience. This course may be taken for additional credit up to a maximum of twelve credit hours. Internships for Exercise Science majors require a "B" or better to be considered as passing. Prerequisite or co-requisite: PEES 362 and permission of the department chair. Student must also have current CPR certification throughout the duration of each internship experience. **Three credit hours per semester.**

PEES 491.INTERNSHIP II

This course is the second of two required internships designed to give PEES majors practical work experience. Students must apply one semester prior to the semester in which they wish to have the work experience. This course may be taken for additional credit up to a maximum of twelve credit hours. Internships for Exercise Science majors require a "B" or better to be considered as passing. Prerequisites: PEES 362, "B" or better in PEES 490, and permission of the department chair. Students must also have current CPR certification throughout the duration of each internship experience. **Three credit 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 credit hour.**

PHYSICAL SCIENCE

PSCI 111.INTRODUCTION TO PHYSICAL SCIENCE

This course surveys of the fundamental concepts in physical sciences and their application to everyday lives. Topics include structure and properties of matter, chemical reactions, forces and motion, types of interactions, definitions of energy, conservation of energy and energy transfer, relationship between energy and forces, wave properties, electromagnetic radiation, and information technologies. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit 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 credit 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 credit hours.**

PHYSICS

PHYS 101.SURVEY OF INTRODUCTORY PHYSICS

This course provides an overview of concepts in physics for non-science majors examining topics such as classical mechanics, electromagnetic theory, thermodynamics, wave theory, and modern physics. Three hours lecture weekly, three hours lab weekly. (General Education – Scientific and Mathematical Reasoning) **Four credit hours.**

PHYS 105.CONCEPTUAL PHYSICS

This course provides an overview of concepts in physics for non-science majors, examining topics such as classical mechanics, electromagnetic theory, thermodynamics, wave theory, and modern physics. Three hours lecture weekly. (General Education – Scientific and Mathematical Reasoning, non-laboratory science course) **Three credit hours.**

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 – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit 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 – Scientific and Mathematical Reasoning) **Four credit hours per course.**

PHYS 305.SPECIAL STUDIES

Studies in physics on special topics for juniors and seniors. Prerequisite: instructor permission. **One to four credit 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 credit hours.**

POLITICAL SCIENCE

POLS 101.AMERICAN NATIONAL GOVERNMENT

This course provides an introductory study of major topics in American politics including political parties, elections, and public opinion. The course includes instruction on the institutions of the U.S. government and documents critical to the American experience, such as the Declaration of Independence, U.S. Constitution, The Federalist Papers, and the Emancipation Proclamation. (General Education – Founding Documents of the United States and Behavioral and Social Perspectives). **Three credit hours.**

POLS 103.INTRODUCTION TO WORLD POLITICS

This course is an introduction to contemporary world politics through examination of selected major topics such as globalization, clashes within and across civilizations, nationalism, the North-South gaps, and environmental and human rights issues. A cultural framework is used to explore the impact of power differentials as they relate to practices, beliefs, histories, traditions, and/or lived experiences around the world. This course enables students to interpret current world events and prepares students for upper-level courses in comparative politics and international relations. (General Education – World Cultures and Behavioral and Social Perspectives) **Three credit hours.**

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 credit 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 credit hours.**

POLS 221.UNDERGRADUATE RESEARCH IN POLITICAL SCIENCE

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research project changes. Prerequisite: Instructor permission. Graded pass/fail. **One credit hour.**

POLS 250.INTRODUCTION TO HOMELAND SECURITY

This course is an introduction to the various dimensions and definitions of homeland security, its concepts, and local, state, and national-level governmental institutions. Emergency preparedness and mitigation are 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 – Behavioral and Social Perspectives) **Three credit 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: Permission of instructor. **One to three credit hours.**

POLS 302.POLITICAL BEHAVIOR

This course examines the political behavior by the general public. Topics include elections, voter choice, voter turnout, and activist recruitment. Prerequisites: "C" or better in POLS 101 and sophomore status or above, or instructor permission. **Three credit hours.**

POLS 303.INTERNATIONAL RELATIONS

This course helps students develop the ability to analyze and evaluate the actions of states and non-state actors in contemporary world affairs through comparison of Western and Non-Western societies. It addresses questions of why nations go to war and how they make peace and showcases cultural explanations from theories of international relations. The course explores the impact of power differentials in the relationships between states as they relate to practices, beliefs, traditions and histories and examines challenges to the state-centric systems such as terrorism, politicized religion, imperialism, and ideology. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. Junior/Senior status recommended. (General Education –World Cultures). **Three credit hours.**

POLS 305.EUROPEAN POLITICS

This comparative politics course focuses on the diverse peoples, cultures, and governmental systems of Europe. Special attention is given to the history and processes of European integration, the role of Europe in the world, and transatlantic relations. This course enables students to make sense of the current European experience. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. Junior/senior status recommended. (General Education –World Cultures) **Three credit 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. Prerequisites: "C" or better in POLS 101 and sophomore status or above, or instructor permission. **Three credit hours.**

POLS 308.LAW, POLITICS, AND SOCIETY

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 the law in American society. Cross-listed with LEG 308. Prerequisite or co-requisite: POLS 101. **Three credit 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. Cross-listed with LEG 311. Prerequisite: "C" or better in POLS 101. **Three credit 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. Cross-listed with LEG 312. Prerequisite: "C" or better in POLS 101. **Three credit 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. Cross-listed with LEG 313. Prerequisite: "C" or better in POLS 101. **Three credit hours.**

POLS 318.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. Prerequisite: "C" or better in POLS 101, or instructor permission. **Three credit 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. **Three credit hours.**

POLS 331.POLITICAL PHILOSOPHY

This course focuses upon the origin and development of the key concepts which have molded our modern world by using original works of political philosophy, covering theorists as diverse as Plato, Aristotle, Machiavelli, Descartes, Hobbes, Rousseau, Mill, Foucault, Arendt, and Marcuse. Each course offering 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. Sophomore status or above is recommended. **Three credit hours.**

POLS 350.POLITICAL PSYCHOLOGY

Political psychology examines the interaction between politics and psychology 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. Prerequisites: POLS 101 or POLS 103 or POLS 200 and sophomore status or above, or instructor permission. **Three credit hours.**

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. Prerequisites: "C" or better in POLS 101 and sophomore status or above, or instructor permission. **Three credit hours**

POLS 361.TOPICS IN WORLD CULTURES

This course explores the diversity of human experience in politics with focus on politically-oriented issues of interest either globally or specifically within the non-western world in contemporary world affairs. The course deepens the student's ability to analyze and evaluate the leading issues within specific cultural contexts and explores the impact of power differentials in the relationships between states as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies. Prerequisite: ENGL 102. Junior/Senior status recommended. (General Education –World Cultures) **Three credit hours.**

POLS 366.INTERNATIONAL LAW

This course looks at the historical evolution, development, and functions of international law. It explores how Western culture created the foundations of international law and illustrates how today's diversity of human experience contributes to controversies in international law, particularly in issues and conceptions of justice and human rights. The course will showcase how law emerges from specific religious and cultural traditions that connect with the history and politics of societies. Students will gain the tools to analyze international law and explore the impact of power differentials between states as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/Senior status recommended. Cross-listed with LEG 366. Prerequisite: "C" or better in POLS 101. (General Education –World Cultures) **Three credit hours.**

POLS 371.SPECIAL TOPICS IN POLITICAL SCIENCE

This is a special theme course that may include experimental and interdisciplinary courses, special trips, and research topics. Sophomore status or above is recommended. Prerequisite: Instructor permission. **One to three credit 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 credit 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 credit hours.**

POLS 390.THE POLITICS OF GLOBALIZATION

This course examines the politics of globalization and the development and management of the contemporary global economy. 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. The course deepens the student's ability to analyze and evaluate how globalization shapes and informs the leading issues in contemporary world affairs. The course also explores how globalization impacts the power differentials in the political and economic relationships between states and non-state actors as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/senior status recommended. Cross-listed with INTL 390. Prerequisite: "C" or better in POLS 103. **Three credit hours.**

POLS 391.HOMELAND SECURITY POLICY

This course surveys the processes and legal issues involved in homeland security policy. It examines the evolution and evaluation of homeland security policy in the United States. Policy areas may include counter-terrorism/anti-terrorism, emergency management, border security, and cybersecurity. Prerequisites: POLS 250 with a "C" or better; sophomore status, or instructor permission. **Three credit hours.**

POLS 407, 408, 409.RESEARCH IN POLITICAL SCIENCE

These courses involve students engaging in a student-directed research project on a topic of political interest and are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in Political Science (POLS 407, POLS 408, or POLS 409) toward major requirements. Prerequisite: Instructor permission. **One to three credit 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. Prerequisite: "C" or better in POLS 103. **Three credit hours.**

POLS 490.INTERNSHIP

Students participate in practical work experience related to the study of political science in this course. An internship is supervised by a faculty member. Only six hours of credit for internships may count toward fulfillment of major requirements. Prerequisite: 2.0 GPA or higher, and successful completion of at least 45 hours of academic credit prior to starting the internship. **One to twelve credit hours.**

POLS 499.CAPSTONE SENIOR SEMINAR

This course provides an opportunity for majors in political science to synthesize the knowledge they have learned as a political science major, examine the role of political science and political scientists in society today, and learn strategies for putting a political science degree to work in a post-collegiate context. Prerequisite: Successful completion of 15 hours of POLS courses and instructor permission. **Three credit hours.**

PUBLIC HEALTH

PUBH 165.INTRODUCTION TO PUBLIC HEALTH

This course introduces the history, science, and principles of public health, as well as current issues and trends in the field. Theoretical models from various disciplines will be used to study social, cultural, behavioral, biological, environmental, and economic influences on the health of a population. **Two credit hours.**

PUBH 235.LIFESPAN WELLNESS

This course examines health promotion strategies and programming that promote and retain wellness for persons across the life span. The course integrates human development, teaching-learning concepts, health promotion strategies, and early detection of disease. It explores how to tailor health education and health interventions to influence health behavior of specific population groups. **Three credit hours.**

PUBH 236.NUTRITION

This course focuses on the role of nutrition in the promotion of health and wellness across the life span. A variety of nutritional models focuses on weight management and prevention of obesity. This course examines the nature, extent, and consequences of obesity in the development and prevention of chronic disease and illness. **Three credit hours.**

PUBH 240.HEALTH EDUCATION

This course introduces health education pedagogy, adult education theories, and coach-client relationship principles used in health coaching to promote effective and sustainable behavior change. This course includes the integration of health coaching strategies to evaluate and develop health literature for clients across the lifespan and in a variety of settings. **Three credit hours.**

PUBH 310.GLOBAL HEALTH

This course introduces key topics in global health, including determinants and distribution, to understand the burden of disease around the world. The course explores different health systems and major international public health organizations. Designed to help students understand global health problems and problem-solving strategies, the course discusses emerging research on public health issues in international settings. **Three credit hours.**

PUBH 325.SOCIAL DETERMINANTS OF HEALTH

This course systematically studies the social and economic conditions under which people live that determine their health. This course explores how socio-environmental factors such as income, living conditions, education, infrastructure, religious affiliation, healthcare, social capital, stress, gender, and race affect health and longevity. This course will also examine the role of public policy in shaping health outcomes for communities. **Three credit hours.**

PUBH 345.HEALTH PROMOTION AND DISEASE PREVENTION

This course introduces the impact of chronic conditions on the health of individuals and populations, and explores innovative disease prevention programs. **Three credit hours.**

PUBH 346.WELLNESS AND AGING

This course surveys healthy aging and wellness promotion for the older adult. The course discusses healthy aging, health perspectives and aging, multiple dimensions of wellness, and age-associated diseases and prevention strategies. Practicum hours in a long-term care setting are required. **Three credit hours.**

PUBH 393.MENTAL HEALTH AND SUBSTANCE ABUSE

This course surveys critical issues in mental health, mental illness, and substance abuse from a public health perspective. The course covers strategies for intervention, policy development, and implementation, with special attention paid to disparities in access and use of services. **Three credit hours.**

PUBH 415.EPIDEMIOLOGY AND BIOSTATISTICS

This course introduces and applies the principles of epidemiology and study design needed to support population-based and community health assessment and evaluation. Basic and advanced methods are covered as well as integration with biostatistics and applications to public health and community contexts. Prerequisites: "C" or better in MATH 211. **Three credit hours.**

PUBH 417.COMMUNITY HEALTH

This course offers an introduction to community health, focusing on health issues in a community context. It presents public health approaches to health assessment, health promotion, and disease prevention. This course includes practicum hours in community settings. **Three credit hours.**

PUBH 425.PROGRAM PLANNING AND IMPLEMENTATION

This course provides instruction in the development, delivery, and evaluation of health programs to targeted populations. The course focuses on proposal writing, workshop planning, and special programming for target groups, communities, and populations. The course also describes how to present program proposals effectively in both written and oral formats. Prerequisite: "C" or better in MATH 211. **Three credit hours.**

PUBH 435.PROGRAM MEASUREMENT AND EVALUATION

This course examines methods, techniques, and resources used in advocacy for and implementation of public health programs. The course explores how to critically assess the adequacy of evaluations and how to plan and pilot test an evaluation. **Three credit hours.**

PUBH 490.PUBLIC HEALTH INTERNSHIP I

The course provides career-related, entry-level experience and workplace competencies to Public Health majors. In addition to Core Learning Outcomes stated in the syllabus, the Faculty Internship Advisor and the Worksite Supervisor may jointly develop and evaluate additional Learning Outcomes. A grade of “B” or better must be earned to receive major credit for PUBH 490. Students planning to enroll in this course must apply one semester in advance of the semester they wish to have the work experience. This course may be taken for additional credit up to a maximum of six credit hours. Prerequisites: enrolled in the major, junior/senior standing, and instructor permission. **Three credit hours.**

PUBH 491.PUBLIC HEALTH INTERNSHIP II

This course is the second of two required internships designed to give Public Health majors practical work experience. In addition to Core Learning Outcomes stated in the syllabus, the Faculty Internship Advisor and the Worksite Supervisor may jointly develop and evaluate additional Learning Outcomes. A grade of “B” or better must be earned to receive major credit for PUBH 491. Students planning to enroll in this course must apply one semester in advance of the semester they wish to have the work experience. The course may be taken for additional credit up to a maximum of six credit hours. Prerequisites: PUBH 490, enrolled in the major, junior/senior standing, and instructor permission. **Three credit hours.**

PSYCHOLOGY

PSYC 101.GENERAL PSYCHOLOGY

This course introduces students to the fundamental laws, 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 102. (General Education – Behavioral and Social Perspectives). **Three credit 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 instructor permission. **Three credit hours.**

PSYC 190.CAREERS IN PSYCHOLOGY

This course is 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. **One credit 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 credit 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 credit hours.**

PSYC 220.INSTRUCTIONAL MENTORSHIP

This course explores evidence-based pedagogical practices and the science of effective learning strategies. Students will be embedded in a course that they have previously completed successfully and assist the instructor with leading discussion groups and review sessions. PSYC 220 is designed to provide exposure to the teaching and learning process, foster the development of a more extensive knowledge of the subject matter, and promote the acquisition of written and oral communication skills. This course can be repeated for additional credit. Prerequisite: Permission of instructor. Graded pass/fail. **One credit hour.**

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 instructor permission, psychology major or minor. Graded pass/fail. **One credit 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 credit hours.**

PSYC 261.QUANTITATIVE AND RESEARCH SKILLS

This course focuses on the quantitative skills involved in scientific psychological research, including the different kinds of data scales and distributions encountered in behavioral research, the process of selecting appropriate inferential statistics to answer different research questions, the use of statistical software, and the procedures of summarizing and presenting data and statistical analyses in tabular, graphic, and verbal formats. Students also learn how to evaluate and critique relevant information from primary sources and are introduced to the research process from formulating an idea to disseminating findings. Includes a research lab component. Prerequisites: "C" or better in PSYC 101 or PSYC 102 and "C" or better in ENGL 102. **Six credit hours.**

PSYC 299.PSYCHOLOGICAL FIELDWORK

This course offers shadowing, observation, and/or work opportunities in the area of Psychology. The field experience is supervised by professional employees of an approved agency, organization, or business as well as the course instructor. Weekly class meetings are also required. This course may be repeated for a maximum of 2 credit hours. Prerequisites: PSYC 101 or PSYC 102 and Psychology major or minor. **One credit hour.**

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, instructor permission. **Three credit 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 credit 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 credit hours.**

PSYC 308.SOCIAL PSYCHOLOGY

An analysis of the current methods and theories concerning group processes, social influence, and how people process social information. Topics include social cognition, social perception, attitudes and persuasion, the self, interpersonal attraction, conformity, obedience, compliance, aggression, prosocial behavior, stereotyping, prejudice, discrimination, and group cooperation and conflict. This course is prohibited to students who have previously received credit for PSYC 301 or PSYC 302. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. **Three credit hours.**

PSYC 311.COMMUNITY PSYCHOLOGY

This course explores the main concepts and principles of community psychology, with a focus on understanding how personal and environmental factors interact to influence the well-being of people within communities. The course will also examine the research approaches used to design, implement, and evaluate community-programs. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. **Three credit 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 credit 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 credit 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 credit hours.**

PSYC 330.METHODS AND LOGIC OF BEHAVIORAL RESEARCH

This course is 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 PSYC 261. **Four credit 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 credit hours.**

PSYC 347.ATTRACTION AND JEALOUSY

This class is designed to provide an in-depth analysis of current theory and research into the factors that contribute to interpersonal attraction and jealousy. Prerequisites: PSYC 101 and ENGL 102. **Three credit hours.**

PSYC 350.SCHOOL PSYCHOLOGY

This course provides an orientation to the history and current practice of school psychology in educational and other clinical settings. It also reviews legal, ethical, and cultural issues as they affect the practice of school psychology. Students will learn about the role of the school psychologist and the diverse groups of children, adolescents, and adults with whom school psychologists interact. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. **Three credit 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 and junior standing. **Three credit hours.**

PSYC 360.PSYCHOLOGY OF GENDER

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 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. **Three credit 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 credit 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 credit hours.**

PSYC 371.SPECIAL TOPICS IN HUMAN SERVICES

This course provides an in-depth analysis of varying psychological topics and issues related to human services. This course may be taken for additional credit as the topic changes. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. **Three credit hours.**

PSYC 379.SPECIAL TOPICS SEMINARS

These seminars are designed to provide an in-depth analysis of a topic. This course may be taken for additional credit as the topic changes. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. **Three credit hours.**

PSYC 389.CULTURAL COMPETENCE IN APPLIED SETTINGS

This course explores how people think about their own culture, the culture of those around them, and the way cultures impact interactions. Current events and real-world examples are confronted to illustrate why it is extremely important to sharpen skills as culturally competent individuals. Prerequisites: Grade of “C” or better in both ENGL 102 and either PSYC 101 or PSYC 102. **Three credit 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. **Three credit hours.**

PSYC 407, 408, 409.RESEARCH IN PSYCHOLOGY

This course involves students engaging in a directed research project on a topic of interest in psychology. Student responsibilities may include developing research materials and protocols; collecting, analyzing, and interpreting data; and communicating research findings in a paper or presentation. This course may be repeated for additional credit up to a maximum of nine credit hours. Prerequisite: “C” or better in PSYC 330 and instructor permission. **One to three credit 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 credit hours.**

PSYC 420. UNDERGRADUATE TEACHING PRECEPTORSHIP

This course explores evidence-based pedagogical practices and the science of effective learning strategies. Students will be embedded in a course that they have previously completed successfully and assist the instructor with developing course materials (e.g., presentations, demonstrations, and activities) as well as leading discussion groups and review sessions. The course is designed to facilitate a better understanding of the teaching and learning process, enhance knowledge of the subject matter, and promote the acquisition of written and oral communication skills. This course can be repeated for additional credit but can only count for a maximum of three hours towards PSYC 300-level or above program electives. Prerequisite: Instructor permission. **Three credit hours**

PSYC 490.INTERNSHIP

Interns work for a social service agency or business for a total of 110 hours, 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 Chair of the Department of Psychological Science. Prerequisites: PSYC 330 with a minimum of “C” and instructor permission. **Three credit hours.**

PSYC 499.SENIOR SEMINAR

This course is the professional concerns/capstone course. Topics include issues of professional conduct, ethics, resumes, and transition to career choices. Prerequisites: Senior status, a grade of “P” in PSYC 221 or PSYC 299, a grade of “C” or better in PSYC 330, and restricted to psychology majors or minors. **Two credit 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 credit hours.**

RELI 211.INTRODUCTION TO THE HEBREW SCRIPTURES

This course is a survey of the literature of the Hebrew Scriptures as they reflect 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 credit 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 credit hours.**

RELI 301.RELIGIOUS CULTURES OF THE WORLD

This course explores religious cultures with a focus on monotheistic and Asian religions. Through exposure to religious cultural products, such as beliefs, comics, music, practices and traditions, and visual media, students will develop a critical understanding of multiple societies, identities, perspectives, ways of life, and beliefs, thereby helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. Junior/senior status recommended. Prerequisites: ENGL 102. (General Education – World Cultures) **Three credit hours.**

RELI 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 102. **Three credit hours.**

RELI 441.TOPICS IN RELIGION

This course offers special topics in the study of religion. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. **Three credit hours.**

SOCIAL WORK

SW 311.INTRODUCTION TO SOCIAL WORK

The course explores the concepts of generalist social work practice and the personal and professional skills needed in the field of social work. The course introduces basic social work practice that incorporates a range of skills needed to intervene in numerous practice settings with varied client populations. It integrates the ethics, principles, and values of social work as well as the knowledge base to support strategies used in improving clients' life situations. Cross-listed with SOCI 311. Prerequisites: SOCI 101 and either PSYC 101 or PSYC 102. **Three credit hours.**

SW 312.HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT

This course introduces aspects of the social environment that impact human behavior and development throughout the life span. The course emphasizes a variety of perspectives including ecological theory, family systems theory, and biopsychosocial approaches as lenses through which behavior is analyzed. The influence that social institutions, culture, race, socioeconomic status, class, and other factors have on individuals, families, and communities is explored. Prerequisites: SOCI 101 and either PSYC 101 or PSYC 102. **Three credit hours.**

SW 314.SOCIAL WELFARE POLICIES AND PROGRAMS

This course examines the history of social welfare, including the values, beliefs, and attitudes that have shaped social welfare in the United States. The course examines a variety of social issues and addresses political and economic factors that affect social welfare policy. Cross-listed with SOCI 314. Prerequisite: "C" or better in SOCI 101, and in either PSYC 101 or PSCY 102. **Three credit hours.**

SW 317.SOCIAL WORK INTERVENTION

This course develops skills required for case management in a variety of disciplines. It provides the opportunity to learn and practice assessment, intervention, and evaluation skills needed in a variety of careers that involve working with individuals, families, and large and small groups within either government or non-profit social services agencies. Cross-listed with SOCI 317. Prerequisites: SOCI 101, and either PSYC 101 or PSYC 102. **Three credit 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 and Social Perspectives)

Three credit hours.

SOCI 202.SOCIAL PROBLEMS

This course features descriptions and discussion of contemporary social problems, with a focus on using sociological theories to explain their origins. Special attention is paid to potential solutions and the organizations or social movements advocating for them. Prerequisites: “C” or better in SOCI 101, or departmental approval. **Three credit hours.**

SOCI 221.UNDERGRADUATE RESEARCH IN SOCIOLOGY

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research project changes. Prerequisite: Instructor permission. Graded pass/fail. **One credit hour.**

SOCI 227.SOCIAL MOVEMENTS

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

SOCI 228.POPULAR CULTURE AND THE MASS MEDIA

This course addresses the sociology of popular culture; and the mass media through 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. Prerequisite: “C” or better in SOCI 101, or Instructor permission. **Three credit hours.**

SOCI 250.CIVIL RIGHTS AND THE LEGACY OF DR. BENJAMIN E. MAYS

This course examines the life and legacy of Dr. Benjamin E. Mays, a native of Greenwood County, minister, professor, advocate for civil rights, and as president of Morehouse College, mentor to such leaders as Dr. Martin Luther King, Jr. The course includes the study of race and civil rights in American society during Dr. May’s lifetime (1894-1984) and beyond. Cross-listed with HIST 250. Prerequisite: Instructor permission. **Three credit hours.**

SOCI 271.SPECIAL TOPICS IN SOCIOLOGY

This course provides an exploration of topics and issues not currently included in the sociology curriculum. The course may be repeated for additional credit as the topic changes. Prerequisite: “C” or better in SOCI 101, or instructor permission. **Three credit hours.**

SOCI 275.SOCIAL STRATIFICATION

This course examines on the causes and consequences of systems of class, gender, race, and ethnic stratification within the United States. It addresses the history of systems of stratification, how they impact the distribution and reproduction of wealth, power, and privilege, and efforts to mitigate social inequalities. Prerequisites: “C” or better in SOCI 101, or instructor permission. **Three credit 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. **Three credit 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 credit hours.**

SOCI.311.INTRODUCTION TO SOCIAL WORK

The course explores the concepts of generalist social work practice and the personal and professional skills needed in the field of social work. The course introduces basic social work practice that incorporates a range of skills needed to intervene in numerous practice settings with varied client populations. It integrates the ethics, principles, and values of social work as well as the knowledge base to support strategies used in improving clients' life situations. Cross-listed with SW 311. Prerequisites: SOCI 101 and either PSYC 101 or PSYC 102. **Three credit hours.**

SOCI 314.SOCIAL WELFARE POLICIES AND PROGRAMS

This course examines the history of social welfare, including the values, beliefs, and attitudes that have shaped social welfare in the United States. The course examines a variety of social issues and addresses political and economic factors that affect social welfare policy. Cross-listed with SW 314. Prerequisite: "C" or better in SOCI 101, and in either PSYC 101 or PSYC 102. **Three credit hours.**

SOCI 315.NON-PROFIT ORGANIZATIONS

This course explores topics and issues related to non-profit organizations that are found at both the micro and macro levels of society to illustrate how non-profit organizations provide direct and indirect services to individuals, communities, and other organizations. The course covers the structures, funding, and various types of non-profit organizations. Prerequisite: SOCI 101 and POLS 101, or instructor permission. **Three credit hours.**

SOCI 317.SOCIAL WORK INTERVENTION

This course develops skills required for case management in a variety of disciplines. It provides the opportunity to learn and practice assessment, intervention, and evaluation skills needed in a variety of careers that involve working with individuals, families, and large and small groups within either government or non-profit social services agencies. Cross-listed with SW 317. Prerequisites: SOCI 101, and PSYC 101 or PSYC 102. **Three credit hours.**

SOCI 321.MEDICAL SOCIOLOGY

This course is an holistic exploration of the ways in which health, illness, and medical practices are socially patterned across society. Institutions that provide health and human services, including health care institutions, government agencies, and non-profit organizations will be analyzed. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. **Three credit 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 credit 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 credit hours.**

SOCI 331.DEVIANCE AND SOCIAL CONTROL

This course examines 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. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. **Three credit hours.**

SOCI 351.SOCIOLOGY OF FAMILY

This course provides 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 university coursework. Junior/senior status recommended. **Three credit hour.**

SOCI 356.SOCIOLOGY OF SPORTS AND LEISURE

This course addresses the sociology of sports and leisure in the United States and examines sports and leisure activities and relationships at micro, meso, and macro levels of sociological reality. Particular attention will be paid to understanding how sports and leisure activities are embedded in systems of class, race, and gender stratification and how they relate to social institutions such as the family, politics, media, religion, and the economy. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. **Three credit hours.**

SOCI 361.SOCIOLOGY OF AGING

This course is 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 across the world. Prerequisite: Junior/senior status recommended. **Three credit hours.**

SOCI 363.ENVIRONMENTAL SOCIOLOGY

This course is an introduction to the field of environmental sociology. It addresses the impact of natural and built environments upon human populations; the relationships between nature, culture and society; the causes and consequences of environmental degradation in the United States and around the world; and differential responses of individual, institutional, and non-institutional actors to environmental problems. Junior/senior status recommended. **Three credit hours.**

SOCI 371.SPECIAL TOPICS IN SOCIOLOGY

This course is an exploration of topics and issues not currently included in the sociology curriculum. This course explores emergent areas within sociology as informed by theory. It may be repeated for additional credit as the topic changes. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. **One to three credit hours.**

SOCI 377.SPECIAL TOPICS IN GLOBAL ISSUES AND CULTURES

Special or experimental course that either explores a sociological topic relevant to specific cultures and societies or explores a sociological issue relevant to non-western cultures and societies. Junior/senior status recommended. **Three credit hours.**

SOCI 389.CULTURES OF VIOLENCE

This course explores types of violence, the history and causes of violence, environments of violence (domestic, global, religious, etc.), tactics, and targets—all within a cultural context. Contemporary topics such as ethnic violence, terrorism, and the interaction of media and violence are included. Junior/senior status recommended. **Three credit 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. **Three credit hours.**

SOCI 398.METHODS OF SOCIAL RESEARCH

This course introduces the logic and conduct of social research, relationships between theory and empirical evidence, formulation of hypotheses, conduct and analysis of field research, research design, and techniques for data collection and analysis. Prerequisites: "C" or better in SOCI 101 and MATH 211 and six additional hours of SOCI, CRIM, or HUS coursework. Prerequisites may be waived at the discretion of the instructor or chair. **Three credit hours.**

SOC 399.SOCIOLOGICAL THEORY

This course examines the major theoretical orientations in classical and contemporary sociological thought. It explores the social, political, cultural, and historical contexts in which sociological theory has developed, how sociological theory changes over time, and the role of theory in building sociological knowledge. Topics will include how to theorize on different levels of sociological reality, and how to make practical use of theory to answer empirical questions about social life. Prerequisites: "C" or better in SOCI 101 and SOCI 202, and three additional hours of SOCI coursework. Prerequisites may be waived at the discretion of the instructor or chair. **Three credit hours**

SOCI 407, 408, 409.RESEARCH IN SOCIOLOGY

These courses involve students engaging in a student-directed research project on a topic of sociological interest and are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in Sociology (SOCI 407, SOCI 408, or SOCI 409) toward major requirements. Prerequisite: Instructor permission. **One to three credit 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 credit hours.**

SOCI 490.SOCIOLOGY INTERNSHIP

This course is an advanced workshop for future professionals in the field of applied sociology. The main objective of this course is the application of selected concepts of sociology to a current social reality. This course is intended as a professionalization experience for students in the sociology program. This course may be repeated for additional credit hours, not to exceed nine hours total. Anything beyond three credit hours requires approval of the department chair. Only six credit 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. Graded pass/fail. **One to nine credit hours.**

SOCI 499.SENIOR CAPSTONE EXPERIENCE

This senior capstone experience provides an opportunity for students to synthesize the knowledge they have learned as a sociology major, examine the role of sociology and sociologists in society today, and learn strategies for putting a sociology degree to work in a post-collegiate context. Prerequisites: "C" or better in SOCI 398 and SOCI 399. **Three credit hours.**

SPANISH

SPAN 101.SPANISH FOR GLOBAL CITIZENS I

This course introduces students to the lexicon and structural principles of the Spanish language and delves into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: Placement determined per Foreign Language Placement Policy. (General Education – World Cultures) **Three credit hours.**

SPAN 102.SPANISH FOR GLOBAL CITIZENS II

This course continues to introduce students to the lexicon and structural principles of the Spanish language and delves further into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: SPAN 101 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) **Three credit hours.**

SPAN 203.SPANISH FOR GLOBAL CITIZENS III

This course continues to introduce students to the lexicon and structural principles of the Spanish language and delves further into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: SPAN 102 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) **Three credit hours.**

SPAN 204.SPANISH FOR GLOBAL CITIZENS IV

This course continues to introduce students to the lexicon and structural principles of the Spanish language and delves further into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: SPAN 203 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) **Three credit hours.**

SPAN 205.HISPANIC WORLD FOR HERITAGE SPEAKERS

This language course is designed for students who have gained a command of Spanish at home. It addresses dialect variations in structure and lexicon, and promotes a deeper understanding of the Hispanic culture with which they may already identify. Coursework emphasizes the reading and analysis of texts, films, advertisements, and other media drawn from Spain, Spanish America, and the Hispanic communities of the United States. Prerequisite: Instructor permission. (General Education – World Cultures). **Three credit hours.**

SPAN 207.HISPANIC WORLD TODAY

This course explores culture(s) of the Spanish-speaking world today, examining various themes such as family, education, religion, social structure, art, and / or literature. Students gain a vision of the historical, economic, and

political forces that shape the society of selected nations in the Spanish-speaking world. It is taught in English and does not count towards the Spanish major or minor. (General Education – World Cultures). **Three credit hours.**

SPAN 215.SPANISH FOR THE PROFESSIONS

This course is designed to help students develop language skills and competencies pertaining to Hispanic culture in the United States and specific professional fields. Course offerings focus either on the medical, business, or education fields in alternating semesters. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 204. **Three credit hours.**

SPAN 217.HISPANIC WORLD TODAY ABROAD

This course consists of a blend of classroom instruction complemented by a faculty-led, short-term overseas experience in a Spanish-speaking country. The travel component affords students the opportunity to gain unique insight into various aspects of the ways of life of the host country, in an environment of full cultural immersion. The course is taught in English and does not count towards the Spanish major or minor. Command of Spanish is not required for the travel component of the course. (General Education – World Cultures). **Three credit hours.**

SPAN 240.OVERSEAS STUDY: LANGUAGE

This is an intermediate-level language course offered during an overseas study program approved by the University. Prerequisite: On-site placement. **One to nine credit hours.**

SPAN 280.SPECIAL TOPICS

This course is a study of a particular issue, theme, or topic in Hispanic language, civilization, or literature and is conducted in Spanish or English. May be repeated for credit as topics change. Prerequisite: Instructor permission. **One to four credit hours.**

SPAN 305.SPANISH ADVANCED GRAMMAR

The goal of this course is the development of writing proficiency in Spanish, including vocabulary, grammar, usage, and style and is conducted in Spanish. Prerequisite: : SPAN 204 or instructor permission. **Three credit hours.**

SPAN 306.SPANISH WRITING WORKSHOP

This course teaches practical techniques for writing with clarity and elegance in Spanish. Prerequisite or co-requisite: SPAN 305. **One credit hour.**

SPAN 320.HISPANIC CINEMA

This course is the study of films as mirrors of Hispanic societies. Topics will 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. The course is taught in Spanish. Prerequisite: SPAN 305 or instructor permission. (General Education – World Cultures). **Three credit hours.**

SPAN 327.HISPANIC CINEMA IN TRANSLATION

This course examines Hispanic films as they depict social, cultural, and historical realities of the nations where they originate. It is taught in English and does not count towards the Spanish major or minor. (General Education – World Cultures). **Three credit hours.**

SPAN 330.OVERSEAS STUDY

Individualized project undertaken on an overseas study program approved by the University. **One credit hour.**

SPAN 340.OVERSEAS STUDY: LANGUAGE

Intensive language study on an overseas study program approved by the University. Prerequisite: Placement. **One to nine credit hours.**

SPAN 345.TOPICS IN LANGUAGE

This course is offered periodically for the investigation of an issue, theme, or topic in Spanish language and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. **One to three credit 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 credit hours.**

SPAN 355.TOPICS IN CULTURAL STUDIES

This course investigates a theme or topic in the cultures and societies of the Spanish-speaking world and is conducted in Spanish. The course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. (General Education – World Cultures). ***One to three credit hours.***

SPAN 357.TOPICS IN CULTURAL STUDIES IN TRANSLATION

This course is offered for the investigation of a theme or topic in one or more cultures and societies of the Spanish-speaking world, and is for students without a Spanish language background. It is taught in English and does not count towards the Spanish major or minor. This course may be repeated for additional credit as the topic changes. (General Education – World Cultures). ***One to three credit hours.***

SPAN 360.OVERSEAS STUDY: LITERATURE

Study of Hispanic literature on an overseas study program approved by the University. Prerequisite: Placement. ***One to six credit hours.***

SPAN 365.TOPICS IN READING

This course is offered periodically for the investigation of an issue, theme, or topic in written works of the Hispanic world and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. ***One to three credit hours.***

SPAN 367.TOPICS IN READING IN TRANSLATION

This course is offered periodically for the investigation of a theme or topic in written works of the Hispanic world, and is for students without a Spanish language background. It is taught in English and does not count towards the Spanish major or minor. This course may be repeated for additional credit as the topic changes. (General Education – World Cultures). ***One to three credit hours.***

SPAN 380.SPECIAL TOPICS

This course is offered periodically for the investigation of a specialized topic, theme, or issue in Hispanic studies not covered by other courses and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. ***One to four credit hours.***

SPAN 480.SPECIAL TOPICS

This course offers advanced study in a specialized area, movement, writer, or work in Hispanic culture, literature, or society and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. ***One to four credit 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. Prerequisites: SPAN 305, overseas study, instructor permission. ***One to twelve credit hours.***

SPAN 499.SPANISH CAPSTONE

This course is a capstone experience that demonstrates proficiency in Spanish and competency in Hispanic culture studies. This may be a research project that involves primary investigation in an area of Hispanic studies, a creative project, or a translation. Alternatively, students may successfully complete the *Español como Lengua Extranjera* exam at the B2 level. Prerequisites: Senior standing and instructor permission. ***One credit hour.***

SPECIAL EDUCATION

See pages 356-358.

SPEECH

SPCH 101.SPEECH FUNDAMENTALS

This course teaches students to develop increased accuracy in the basic elements of the communicative process. The principles of speech communication are studied and applied. (General Education – Humanities and Fine Arts) ***Three credit 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 and Media Studies or instructor permission. This is a studio course. **Three credit hours.**

SPCH 302.VOICE ACTING

This course will introduce students to basic voice-over acting techniques to help students develop the skills they need to 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. Restricted to Media and Communication majors and Speech and Performance minors. Prerequisites: MEDA 302 or MEDA 200 and SPCH 201. **Three credit hours.**

SPORTS MANAGEMENT

SPTM 101.INTRODUCTION TO SPORTS MANAGEMENT

This course focuses on the professional aspects of sports management. An introduction to the historical, social, and philosophical foundations of sports management will be provided. Potential careers available to sports managers will be explored. Demands and expectations of various sports management venues will be explored. **Three credit hours.**

SPTM 201.PRINCIPLES OF SPORTS MANAGEMENT

This course examines contemporary sports management theories and analyzes the four basic sports management functions: planning, organizing, leading, and controlling. These functions for setting and realizing business objectives, particularly those related to event and facilities management. The development of skills and insight into behavioral issues reveal how to more effectively manage and lead in the sports industry. Areas of investigation include management theories and functions, global perspectives, organizational environment, motivation, leadership, communication, decision-making, human behavior, operations, and social responsibility. Prerequisite: "C" or better in SPTM 101. **Three credit hours.**

SPTM 302.PRINCIPLES OF SPORTS MARKETING

This course introduces the principles of sports marketing, particularly those applicable to micro-marketing. Main topics include the role of the marketing mix in sports industry business decision making, development of the marketing strategy, international marketing, and implementation and control of sports industry market activities. Prerequisite: "C" or better in SPTM 201. **Three credit hours.**

SPTM 303.LEGAL ASPECTS OF SPORTS

This course presents the terminology and principles of the basic legal system as applied to professional and amateur sports. Emphasis is on identifying and analyzing legal issues, the ramifications of those issues, and the means of limiting the liability of sports organizations. Prerequisite: "C" or better in SPTM 201. **Three credit hours.**

SPTM 305.SPORTS EVENT AND FACILITY MANAGEMENT

This course investigates the functions of management in terms of operating and financing public assembly facilities including public and private arenas, coliseums, and stadiums. Prerequisite: "C" or better in SPTM 201. **Three credit hours.**

SPTM 405.FINANCIAL ASPECTS OF SPORTS

This course includes basic theory in finance and accounting applied to managerial control of sports organizations, including forms of ownership, taxation, financial analysis, feasibility studies, and economic impact studies. Prerequisites: "C" or better in SPTM 201 and senior status. **Three credit hours.**

SPTM 415.ECONOMICS OF SPORTS

This course reviews the use of economic analysis as applied to the sports industry. Topics will include ticket pricing strategies, monopolization, players' labor markets, revenue sharing, salary caps, competitive balance, and the subsidization of stadiums. Prerequisites: "C" or better in SPTM 201 and senior status. **Three credit hours.**

SPTM 425.SPECIAL TOPICS IN SPORTS MANAGEMENT

This course allows for the study of sports management topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different and will count as business elective or general elective. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For Sports Management minors or non-business majors: Instructor permission. **Three credit hours.**

SPTM 490.INTERNSHIP IN SPORTS MANAGEMENT

This course will provide practical experience in a Sports Management field through an approved agency or business under the supervision of professional employees and the course instructor. The course may be taken for a maximum of six hours to satisfy the SPTM major or minor internship requirement. Internship is dependent upon position availability. SPTM Major Prerequisites: instructor permission, and junior or senior status and “C” or better in ACCT 201, MATH 211, SPTM 201, and either ECON 101 or ECON 201 or ECON 202. For Sports Management minors: ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202 will be waived. **One to six credit hours.**

TEACHING FELLOWS PROGRAM

See page 358.

THEATRE

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 credit hours.**

THTR 201.THEATRE APPRECIATION

A study in theatrical literature that focuses on key historical eras in the development of theatre movements. (General Education – Humanities and Fine Arts) **Three credit 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 instructor permission. **Three credit hours.**

THTR 301.SPECIAL TOPICS IN THEATRE AND PERFORMANCE

This course provides specialized instruction in areas of theatre and performance not normally covered in existing coursework. Areas to be covered will be based on the need of students. This course may be repeated for additional credit as topics change. Restricted to Media and Communication majors and Speech and Performance minors. **Three credit 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 that will develop and demonstrate competence in working in front of a camera. Prerequisite: MEDA 390, SPCH 102, or THTR 301. **Three credit 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 credit hours in the major and junior or senior standing. **One to six credit hours.**

WRITING

WRIT 251. INTRODUCTION TO CREATIVE WRITING

This course is an experiential 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. The course includes extensive readings from a wide range of writers. Prerequisite: “C” or better in ENGL 102 or instructor permission. **Three credit hours.**

WRIT 275. BUSINESS COMMUNICATIONS

This course provides instruction and practice in writing and producing documents for a variety of business situations, emphasizing the styles and mechanics of written and oral communications. Prerequisite: “C” or better in ENGL 102 or instructor permission. **Three credit hours.**

WRIT 276.PUBLIC WRITING AND RESEARCH

This course focuses on professional-level writing skills and emphasizes argumentation and advanced research skills. Assignments include analyzing primary and secondary sources, culminating in a formal research essay or project. Prerequisite: “C” or better in ENGL 102, or instructor permission. **Three credit hours.**

WRIT 300.NARRATIVE THEORY

This course presents historical and current theories of narrative, including techniques of plot development and characterization, as they apply to various genres, cultures, and media. Prerequisite: "C" or better in ENGL 102. *Three credit hours.*

WRIT 350.PROFESSIONAL REVISING AND EDITING

This course examines the role of revising and editing in the writing process and provides intensive practice in revising and editing for varied audiences, with attention to mechanics, style, sentence structure, and usage. Prerequisite: "C" or better in ENGL 102, or instructor permission. *Three credit hours.*

WRIT 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: "C" or better in ENGL 102, or instructor permission. *Three credit hours.*

WRIT 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: "C" or better in ENGL 102, or instructor permission. *Three credit hours.*

WRIT 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: "C" or better in ENGL 102, or instructor permission. *Three credit hours.*

WRIT 373.WRITING AND RESEARCH METHODS

This course explores the connection between writing, research, and knowledge-making in several disciplines, with emphasis on the humanities and social sciences. Assignments include practicing a variety of primary and secondary research methods and writing about their research for audiences outside of literary studies. Prerequisite: "C" or better in ENGL 102, or instructor permission. *Three credit hours.*

WRIT 405.NEW VOICES

This course comprises the production of *New Voices: Lander University's Student Journal*, an art and literary magazine. The entire process from reviewing initial submissions to delivering a finished product in print and digital format. Prerequisite: "C" or better in ENGL 102. *Three credit hours.*

WRIT 450.technical writing

This course focuses on skills necessary in 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: "C" or better in ENGL 102 or instructor permission. *Three credit hours.*

WRIT 453.ADVANCED CREATIVE WRITING

This course introduces advanced techniques for writing fiction, creative nonfiction, and/or poetry. Prerequisite: WRIT 353, WRIT 354, WRIT 364, or ENGL 417, or permission of instructor. *Three credit hours.*

WRIT 490.INTERNSHIP

This course provides practical experiences in writing oriented fields. This internship requires several hours a week at a business or agency under the supervision of agency personnel and a faculty supervisor. Prerequisite: 12 credit 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 credit hours.*