

# Undergraduate Course Listings

## Course Numbers

Courses numbered from 100-199 are primarily freshman courses. Numbers from 200-299 are typically sophomore courses. Courses numbered 300 and above are upper division courses and should generally be deferred until the junior or senior year.

## Open Titled Courses

Departments offer open titled courses for lower division or upper division credit, numbered 199 or 399. These courses provide the opportunity for experimental and exploratory study. They may be used to develop or extend courses regularly offered. These courses also may be used for individual academic pursuits not listed in the regularly developed sequence of course offerings. A breadth of alternatives is provided for, such as independent study, individual readings, individual research, and field experience. Offerings are contingent upon professional or student request.

## Practicum/Internship

Each department offers a practicum or internship course numbered either 395 or 405. In this course the student applies theories and skills learned in the major. Each experience should include significant learning opportunities related to the student's major field. Two supervisors are involved, a work supervisor and an academic supervisor. Students must sign up for the credit before they begin the practicum or internship. They must enroll for credit during the term in which most of the practicum/internship work is completed. Forty to sixty hours of work experience is required for each credit awarded. The experience may be paid or unpaid. Each department has determined whether practicum or internships will receive letter grades or will be pass/fail. The departmental description contains the grading method. Students must consult with their academic supervisor at least twice during the experience. A learning experience summary paper following departmental guidelines is required as is a final interview with the academic supervisor. A maximum of 12 credits may be earned per degree. **Prerequisites:** Junior or senior standing with a 2.0 GPA, 18 semester credits completed in the area of study, and departmental approval.

## Prerequisites

Following the description of each course of instruction will be found the requirements, if any, for admission to that particular course. For example, under CHM 201 Organic Chemistry I, the prerequisite given is CHM 112 General Chemistry II, which must be satisfactorily completed before CHM 201 can be taken.

Because some courses are offered in alternate years, the year for which the course is next scheduled is indicated after the description of the course. The semester in which a course is typically offered is also included.

The College reserves the prerogative to cancel any course for which fewer than eight students register.

## ACCOUNTING (ACCT)

### ACCT 101 Financial Accounting I

**Three Credits**

Nature and purpose of accounting; basic accounting concepts and procedures, double entry bookkeeping, methods of processing, summarizing and classifying financial data; balance sheets and income statements. (Offered every semester.)

### ACCT 102 Financial Accounting II

**Three Credits**

Continuation of Financial Accounting I. More detailed examination of components of the balance sheet. Introduction to financial statement analysis.

**Prerequisite:** ACCT 101. (Offered every semester.)

**ACCT 201 Managerial Accounting** **Three Credits**

Intermediate level course with emphasis on how accounting information can be interpreted and used as a tool of management in planning and controlling business activities of the firm.

**Prerequisite:** ACCT 101. (Offered spring semester.)

**ACCT 217 Income Tax Fundamentals** **Two Credits**

This course is designed for all students and provides a good basis for preparing our annual tax forms. We will emphasize those things that make sense in tax rules, as well as those things that do not seem to make much sense. It includes practice with tax preparation software and will also review tax advantages available to those in full-time ministry. Accounting majors must take ACCT317 instead of this course.

**ACCT 312 Cost Accounting** **Three Credits**

Cost accounting fundamentals and cost accounting systems for management control will be covered. Emphasis will be on decision making for planning and control, and product costing for inventory valuation and income determination.

**Prerequisite:** ACCT 201. (Offered fall semester of even calendar years.)

**ACCT 314 Accounting Theory & Practice I** **Three Credits**

Reviews accounting theory and the application of that theory to the preparation of accounting statements. Examines the four primary financial statements – income statement, balance sheet, statement of cash flows, and statement of retained earnings.

**Prerequisite:** ACCT 102. (Offered fall semester of odd calendar years.)

**ACCT 315 Accounting Theory & Practice II** **Three Credits**

A continuation of the study of financial information for the purpose of preparing financial statements in accordance with generally accepted accounting principles. This course deals with accounting issues related to the proper accounting treatments of balance sheet assets and liabilities.

**Prerequisite:** ACCT 314. (Offered spring semester of even calendar years.)

**ACCT 317 Income Tax Theory** **Three Credits**

Study of federal personal and corporate income tax, state income tax issues, U.S. tax structure, and the application of tax laws to specific situations. Students will gain knowledge of individual tax laws, forms, and tables. (Offered Interterm of even calendar years.)

**ACCT 318 Auditing** **Three Credits**

A study of the standards and procedures used in examining financial statements and supporting records. Emphasis on the evaluation of internal control. Also covered are the auditor's responsibilities to clients and third parties, and the ethical framework in which he/she operates.

**Prerequisite:** ACCT 201. (Offered spring semester of odd calendar years.)

**ACCT 319 Tax Applications** **Two to Four Credits**

This course provides students with substantial experience in preparing federal and state income tax returns. Students will prepare tax forms for low-income people in the Alton and East St. Louis area, and travel to those sites will be necessary. The work will be performed primarily on evenings and Saturdays. **Prerequisite:** ACCT 317. (Offered spring semester.)

**ACCT 395/405 Accounting Practicum** **Four to Twelve Credits**

The practicum will be taken for pass/fail credit.

**ACCT 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**ACCT 489 Departmental Honors Research** **Variable Zero to Two Credits**

**ACCT 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**ACCT 199, 399 Open Titled Course** **One to Four Credits**

**ART****ART 111 Design****Three Credits**

A study of the basic principles and elements of two and three dimensional form and composition. Alternate discussions and projects designed to acquaint the student with materials and techniques in the plastic arts. Three double periods. (Offered fall semester.)

**ART 112 Sculpture****Three Credits**

A study of the elements of three-dimensional form. Working with a variety of materials employing traditional additive and subtractive methods as well as contemporary found-form construction/fabrication. Three double periods.

**Prerequisite:** ART 111 or permission of instructor. (Offered spring semester.)

**ART 113 Drawing I****Three Credits**

Studio work in beginning drawing from still life and nature. Basic experiences with form description using a wide range of media. Three double periods. (Offered spring semester of even calendar years.)

**ART 210 Art Education I****Two Credits**

Laboratory work designed to give the student an acquaintance with a wide range of projects usable in public schools. Discussion of aims and methods of art instruction in public schools. (Offered irregularly.)

**ART 211 Painting I****Three Credits**

Composition in acrylics with emphasis on structuring of two-dimensional forms and space. Primary resources are still life and nature. Three double or two triple periods.

**Prerequisite:** ART 111 and 113. (Offered spring semester.)

**ART 230 Graphic Design I****Three Credits**

Problems in lettering, layout, and graphic design. Application of creative design to the fields of advertising and product design. Three double or two triple periods. Cross listed with DM 230.

**Prerequisite:** ART 111 or 113. (Offered fall semester.)

**ART 241 Digital Photography I****Three Credits**

Students will work with traditional 35 mm and digital cameras and scanners to produce photographic images that can be improved, manipulated, altered, and printed from the computer. They will learn to control camera settings, adjust imagery using sophisticated photo manipulation software, and explore the variety of digitally based, photograph quality printing. Students will experiment with the fundamentals of photography while developing a portfolio of creative photography. Cross listed with DM 241. (Offered fall semester.)

**ART 251 Art History: Introduction and Survey I****Two or Three Credits**

The course is an introductory study of artists, their ideas, and styles, with an emphasis upon the variety of media and styles in the history of art. Also included is a beginning survey of art historical movements commencing with Western painting, sculpture, and architecture from pre-historic times through the Aegean and Greek periods. Only Music Education majors may take this course for two credits. Meets the general education fine arts requirement. (Offered fall semester of odd calendar years.)

**ART 252 Art History: Survey II****Three Credits**

Beginning with Rome and its Empire, the painting, sculpture, and architecture since the time of Christ are considered in this survey. The Medieval, Renaissance, and Baroque periods are studied in depth, along with a brief overview of the nineteenth and twentieth centuries. Socioeconomic, cultural, and religious influences are considered. Meets the general education fine arts requirement. (Offered spring semester of even calendar years.)

**ART 300 Figure Drawing** **Three Credits**

Study of drawing as representation, expression, and composition. Emphasis on drawing of the figure from the posed model using brush, pen, charcoal, etc. Three double periods.

**Prerequisite:** ART 111 and 113. (Offered spring semester of odd calendar years.)

**ART 308 Painting II** **Three Credits**

Advanced problems involving creative experiments with various painting media. The student is encouraged to develop an individual approach to contemporary painting problems. Three double or two triple periods.

**Prerequisite:** ART 211. (Offered spring semester.)

**ART 310 Ceramics I** **Three Credits**

A study of three-dimensional form in pottery. Pottery design and construction using coil, slab, and wheel throwing methods. Glazing and firing techniques are explored. Three double periods.

**Prerequisite:** ART 111, 113, or permission of instructor. (Offered fall semester.)

**ART 312 Sculpture II** **Three Credits**

A continuation of the pursuit of sculptural concepts through practical studio experience. Spatial concepts will be explored relative to various materials and processes—to traditional applications and nontraditional. Emphasis will be upon creative and imaginative resolution and the development of the student's own forms of three-dimensional expression. The course is designed as a sequential experience following the investigations initiated in Sculpture I and will include strong interdisciplinary emphases and preparation for advanced study.

**Prerequisite:** ART 112. (Offered spring semester.)

**ART 320 Ceramics II** **Three Credits**

As with the introductory course, Ceramics II is designed to develop sensitivity to clay and its properties and to glazes and their interaction with clay. Emphasis will continue to be placed on personal expression of ideas and concepts appropriate to clay usage, and upon the exploration of and improvement of clay methods and techniques.

**Prerequisite:** ART 310. (Offered fall semester.)

**ART 330 Graphic Design II** **Three Credits**

Students will explore the advanced image creation and manipulation software used in the production of publication, digital illustration, and motion graphics. Carefully designed projects will move the student to proficiency in the most widely used software (Illustrator, Photo-shop, Flash, In Design, Final Cut Pro, etc.) while generating a portfolio of sophisticated artwork. Cross listed with DM 330.

**Prerequisite:** ART 230. (Offered spring semester.)

**ART 341 Digital Photography II** **Three Credits**

Digital Photography II will explore the traditional use of photography as an art form and experiment with the new possibilities of the medium with the advent of digital manipulation. Emphasis will be placed upon recognizing and challenging one's own aesthetic disposition inside the discipline of photography. An exploration of both "classic" and "contemporary" photographers will grant students an insight to the history and current directions of this challenging art. Cross listed with DM 341.

**Prerequisite:** ART 241. (Offered spring semester.)

**ART 351 Historical Survey of Women Artists** **Three Credits (CC)**

This course is designed to provide an introduction of the accomplishments of western and non-western women artists from antiquity to the 20<sup>th</sup> century, which are often omitted from the art history canon. The course will cover historical epochs focusing on the social, economic, and demographic factors that had a direct bearing on women's potential to become professional artists. Meets the general education fine arts and cross cultural requirement. (Offered spring semester of odd calendar years.)

**ART 352 Art History: The Nineteenth Century** **Three Credits**  
 A study of European and American art and architectural movements from Neoclassicism through Impressionism, Symbolism, and the Art Nouveau. Meets the general education fine arts requirement. (Offered spring semester of even calendar years.)

**ART 353 Art History: The Twentieth Century** **Three Credits (WI)**  
 A study of European and American art and architectural movements beginning with Expressionism and Cubism and continuing through the most recent developments. Meets the general education fine arts and writing intensive requirement. (Offered fall semester.)

**ART 355 Art History: Non-Western Art** **Three Credits (CC)**  
 A general survey of the architecture and artifacts developed in cultures not influenced by Western artistic tradition including Africa, India, China, Japan, Korea, the South Sea Islands, Australia, South and Central America, and Native North America. Attention will be given to the relationship of social, political, intellectual, and religious developments that impacted the making of artifacts. Meets the general education fine arts and cross cultural requirement. (Offered fall semester of even calendar years.)

**ART 390 Independent Studio** **One to Twelve Credits**  
 Independent Studio provides time and space for the student who has completed at least the second level in any of the areas of specialization. The student works independently, approximately 12 hours per week. Work time is punctuated by weekly individual one-half hour meetings with the instructor and by biweekly critiques with other students in Independent and Advanced Studio classes. The main goal of the course is the achievement of a personal expression, which indicates clear conceptual development as evidenced by a body of work and a written statement. Students may take as many credits of Independent Studio as is necessary to complete the major requirements or to fulfill personal objectives.

**Prerequisite:** Any second level studio course (ART 230, 300, 308, 312, 320) or permission of the Art Department Chair. (Offered every semester.)

**ART 400 Advanced Studio** **Three Credits**  
 Advanced study allowing the qualified student to select his or her medium and explore it more intensively. The culmination of this semester will be an exhibition prepared by the student. A sufficient number of juried works will be required for a complete show in the College art gallery. May be repeated for a total of six hours.

**Prerequisite:** Permission of the Department. (Offered every semester.)

**ART 395/405 Internship** **Variable Credit**  
 The practicum will be taken for pass/fail credit.

**ART 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**ART 489 Departmental Honors Research** **Variable Zero to Two Credits**

**ART 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**ART 199, 399 Open Titled Course** **One to Four Credits**

## **BIBLICAL STUDIES (BIB)**

**BIB 205 Old Testament Survey** **Three Credits**  
 This course introduces the student to the central story of the Old Testament by examining its characters, events, unifying themes, and literary characteristics. Meets the general education biblical studies requirement.

**Prerequisite:** COR 102. (Offered every semester.)

**BIB 215 New Testament Survey****Three Credits**

The course is a rapid survey of the books of the New Testament, focusing primarily on their content and theology. The course will also acquaint the student with the political, social, and religious environment of the New Testament period and introduce the student to issues of authorship, dating, transmission, and canon. Meets the general education biblical studies requirement.

**Prerequisite:** COR 102. (Offered every semester.)

**BIB 270 Wisdom and Poetic Literature of the Old Testament****Three Credits**

Intensive analyses of the ideas and literary patterns of the books of Psalms, Proverbs, Ecclesiastes, Job, Song of Solomon, and certain other selections from the inter-testamental literature of the Hebrews. Meets the general education biblical studies requirement.

**Prerequisite:** COR 102. (Offered spring semester in odd calendar years.)

**BIB 321 Pentateuch****Three Credits**

The course focuses on the first five books of the Bible, also known as Torah or Law. As the first major section of the Bible, Torah is foundational to the rest of the Biblical witness. In this course students will ascertain the primary theological emphases of a narrative that begins with creation and ends with the death of Moses. Meets the general education biblical studies requirement.

**Prerequisite:** COR 102. (Offered fall semester.)

**BIB 322 Prophets****Three Credits**

A critical and exegetical study of the Former (Joshua, Judges, Samuels, and Kings) and the Latter (Isaiah, Jeremiah, Ezekiel and the Twelve) Prophets with special consideration given to the social, political, and religious conditions of their times. Attention is given to the ministry and message both for their time and the present age. Meets the general education biblical studies requirement.

**Prerequisite:** COR 102. (Offered spring semester.)

**BIB 352 Pauline Epistles****Three Credits**

Studies in the epistolary form as it appears in the New Testament, focusing particularly on the issues which arise in the Pauline Letters and the broader cultural milieu of the first century church. Meets the general education biblical studies requirement.

**Prerequisite:** COR 102. (Offered spring semester.)

**BIB 353 Synoptic Gospels****Three Credits**

Intensive study of the three synoptic Gospels as they interpret the works and words of Jesus Christ. Meets the general education biblical studies requirement.

**Prerequisite:** COR 102. (Offered fall semester.)

**BIOLOGY (BIO)****BIO 108 Environmental Science and Stewardship****Three or Four Credits**

This course presents a values based approach for dealing with issues that are critical to the wellbeing of Creation. The course provides a general overview of the concepts of global ecology and then uses these concepts to study the impact that human involvement has had on the ecosystem. The framework for this course is centered around these topics: human population, renewable resources, energy, pollution and prevention of pollution with the recurring theme of moving toward a sustainable future for the Creation. Meets the general education laboratory science requirement. (Three hours lecture and optional two hours lab each week. Students enrolling in and successfully completing the lab portion of this class will receive four credits; students not enrolled in the lab will receive three credits for the class. To take the lab, students must be concurrently enrolled in the lecture part of the class.) (Offered every semester.)

**BIO 110 General Biology I****Four Credits**

This course deals with the basic principles of biology. Consideration is given to cell biology and structural and functional organization of plants and animals. Principles of reproduction, genetics, and ecology are introduced as well as a brief survey of the kingdoms of living organisms. Beginning course for all biology majors. (Three hours lecture and two hours lab per week.) (Offered fall semester.)

**BIO 112 General Biology II** **Four Credits**

This course is a continuation of BIO 110 and emphasizes the diversity, ecology, structure and function of animals. The course will survey the animal kingdom and discuss adaptations for homeostasis, reproduction and interaction with the environment. Topics also include brief examination of community and ecosystem biology with an emphasis on sustainability and stewardship. (Three hours lecture and two hours lab per week.)

**Prerequisite:** None, BIO 110 recommended. (Offered spring semester.)

**BIO 113 Health** **Two Credits**

This course is intended to give the student a basic understanding of several areas of health: mental health, chemical alterations in behavior (drug abuse), family health, personal health care, disease, pollution and community health. This course will not fulfill a general education requirement. (Two hours lecture a week.) (Offered fall semester.)

**BIO 115 Plants and People** **Four Credits**

Major emphases in this course are placed on the anatomy and physiology of flowering plants. Also included are agricultural and horticultural applications, and an overview of the plant kingdom. Meets the general education laboratory science requirement. (Three hours lecture and two hours lab per week.) (Offered fall semester.)

**BIO 150 Medical Terminology** **One or Two Credits**

A self-directed study of medical terminology which covers basic roots, prefixes, suffixes and terminology of different systems of the human body. Students prepare for periodic vocabulary tests on their own time and schedule. The object of the course is to prepare the student for entrance into health field by providing a review of vocabulary tools.

**Prerequisite:** Three science classes. (Offered irregularly as independent study.)

**BIO 155 Introduction to the Crime Scene Investigation and Forensics** **Three or Four Credits**

This course is an introduction to the world of crime scene investigation and forensic criminology. Students will learn from actual cases and hear lectures from lead investigators and science of crime scene investigation. Lab exercises will engage the students in the biological, chemical and physical analysis of evidence, including several crime scene scenarios. Three hours lecture and optional two hours lab each week. Students enrolling in and successfully completing the lab portion of this class will receive four credits; students not enrolled in the lab will receive three credits for the class. To take the lab, students must be concurrently enrolled in the lecture part of the class. (Offered spring semester.)

**BIO 215 Survey of the Plant Kingdom (Taxonomy)** **Four Credits**

In this course the major emphasis is on a survey of the vascular plants and common families of flowering plants. Topics included are principles of flowering plant taxonomy, mechanisms of adaptation and plant ecology. (Three hours lecture and two hours lab per week.)

**Prerequisite:** BIO 110, 112 or permission of instructor. (Offered spring semester of even calendar years.)

**BIO 245 Human Anatomy and Physiology I** **Four Credits**

This course is designed to deal with all the human body systems as to structure and function. Material covered is intended for those planning to teach biology in high school or enter the allied health professions, and to meet the needs of students majoring in physical education. Required of all physical education majors and biology majors in secondary education. (Two lectures and four hours lab per week.) (Offered fall semester.)

**BIO 263/363 Environmental Topics Seminar** **Two Credits**

This seminar will be based on a central theme each semester. Topics will range from Wetland Ecology to Forestry. Students will be introduced to the scientific literature relating to the semester's topic and will be expected to conduct literature reviews, provide written outlines and oral reports to the class. A student may apply one lower division and one upper division topic toward a major in environmental biology.

**Prerequisite:** For BIO 263: BIO 110,112. For BIO 363: BIO 110, 112, 115, 215, and CHM 112 or permission of instructor. (Offered irregularly.)

**BIO 265 Environmental Issues****Four Credits**

Through an introduction of basic concepts underlying the environmental sciences, this course is designed to facilitate the integration of Christian philosophy and an ethic of environmental stewardship. Subject matter will include fundamentals and practical applications of the sciences in relation to biodiversity, domestic and solid waste management, nuclear power and fossil fuel for energy, global climate change, water resource management and populations issues. (Three hours lecture and two hours lab per week.)

**Prerequisite:** BIO 110, 112, CHM 111, PHY 120 or permission of instructor. (Offered irregularly.)

**BIO 300 Field Biology****Four Credits**

Fieldwork will involve identification of the common plants and animals and consideration of ecological principles (e.g., succession, etc.) as seen in the field. Field trips will be made to various ecosystems.

**Prerequisite:** BIO 110, 112, 115 or permission of instructor. (Offered irregularly.)

**BIO 303 Parasitology****Four Credits**

Structure, life history, and effects on host of protozoan, helminth, and arthropod parasites will be studied. Laboratory work includes preparation of specimens with study of their morphology and the study of host parasite relationships through the artificial infection of laboratory animals. Recommended for pre-med students. (Three hours lecture and three hours lab per week.)

**Prerequisite:** BIO 110, 112. (Offered irregularly.)

**BIO 305 Genetics****Four Credits**

The facts of heredity; reproduction and development; the mechanism of heredity; hybridization and Mendel's laws; heredity in man and in its broader social applications. Recommended for all biology majors and required of all biology majors in secondary education. (Two hours lecture and four hours lab per week.)

**Prerequisite:** BIO 110, 112. (Offered spring semester.)

**BIO 309 Vertebrate Behavior and Natural History****Four Credits**

This course familiarizes students with behaviors and life cycles of vertebrates. The course will emphasize behavioral, morphological and physiological adaptations to individual habitats and investigative techniques to be used in analyzing inter- and intraspecific interactions. Students will conduct individual research projects.

**Prerequisite:** BIO 110, 112, or permission of instructor. (Offered spring semester odd calendar years.)

**BIO 316 Invertebrate Zoology****Four Credits**

This course builds on the introduction to the invertebrates presented in BIO 110. It emphasizes the diversity, ecology, structure, and function of the invertebrate phyla of animals. The course surveys these phyla and discusses adaptations for homeostasis, reproduction, and interaction with the environment. An emphasis in the lab is on the use of invertebrates as indicators of water quality in natural ecosystems. (Three hours lecture and two hours lab per week.)

**Prerequisite:** BIO 110, 112, or permission of instructor. (Offered fall semester of odd calendar years.)

**BIO 330 Vertebrate Morphogenesis****Four Credits**

The principles of development of vertebrates, beginning with the cleavage of the egg, tracing the changes and modifications to the formation of the adult structure with comparative studies of the systems of selected chordate animals. Required of all pre-med students. (Two hours of lecture and four hours of lab per week.)

**Prerequisite:** BIO 110, 112. (Offered irregularly.)

**BIO 340 Cell Biology** **Four Credits**

Studies the structure and function of the cell, while examining the highly significant and diversified roles that cells play in living organisms. Includes information about major macromolecules, organelles and their functions, such as protein synthesis, cellular respiration, replication, and characteristics of different type cells. Lab includes biotechnological and biochemical experiments. (Three hours lecture and three hours lab per week.)

**Prerequisite:** BIO 110, 112, CHM 112. CHM 201 recommended. (Offered spring semester.)

**BIO 341 Instrumental Analysis** **Four Credits**

This course covers the major types of instrumentation utilized in chemistry, biology and physics by providing “hands-on” experience as well as emphasizing the underlying principles. (Three hours of lecture and three hours lab per week.) Cross listed with CHM 342/PHY 342.

**Prerequisite:** CHM 112, PHY 120. CHM 201 recommended. (Offered spring semester of odd calendar years.)

**BIO 345 Human Anatomy & Physiology II** **Four Credits**

A continuation of BIO 245. (Two hours lecture and four hours lab per week.)

**Prerequisite:** BIO 245. (Offered spring semester.)

**BIO 350 Science Curriculum Projects** **Two Credits**

A survey of biology texts, curriculum guides, visual aids, computer software, and free materials useful in the classroom. A variety of experiments, inquiry situations, and learning center ideas are explored. This course is required of all biological science teaching majors. Cross listed with CHM 350/PHY 350.

**Prerequisite:** Admission to the Teacher Education Program with a major in biology. (Offered spring semester of odd calendar years.)

**BIO 351 Biological Problems** **One or Two Credits**

A project course. An opportunity for students to make a beginning at research work or learn skills in areas such as cell/molecular biology, plant taxonomy, biological illustrating, or micro technique. The assigned project will be related to major interest.

**Prerequisite:** Major in biology. (Offered irregularly.)

**BIO 360 Microbiology** **Four Credits**

Behavior and activity of microorganisms more or less common in the natural environment. Special attention given to the physiology of bacteria. Includes concepts of immunology and epidemiology. Required of all biology majors in secondary education and all pre-med and med-tech students. (Two hours lecture and four hours lab per week.)

**Prerequisite:** BIO 110, 112, CHM 112, or permission of instructor. (Offered fall semester.)

**BIO 363 Environmental Topics Seminar (see BIO 263/363)****BIO 365 Environmental Law and Policy** **Three Credits**

A study of legislation and implementing regulatory bodies dealing with U.S. and international policy. Students will gain a balanced, yet critical, account of how regulation is carried out, and the effect of political forces. Issues of general interest (e.g., solid waste, water, and air quality) are explored, as are emerging issues such as environmental waste at nuclear weapons facilities and political problems inherent in protecting biodiversity. The crisis of regulatory capacity in the U.S., which has developed in the environmental field since 1970, including deficiencies in institutional and policy design, is also examined. (Three hours lecture per week.)

**Prerequisites:** BIO 110, 112, CHM 112, PHY 120 or permission of instructor. (Offered spring semester of even calendar years.)

**BIO 370 Basic Ecology** **Four Credits**

This course will deal with the physical and biotic factors of the environment that affect individual organisms and populations. Principles of ecology will be studied at the organismic, population, and community level.

**Prerequisite:** BIO 110, 112, 115, or permission of instructor. (Offered spring semester.)

**BIO 390 Readings in Biology** **One to Two Credits**

Selected readings chosen by student and instructor.

**BIO 395/405 Practicum** **Variable Credit**

Biology majors may earn a maximum of eight semester credits while engaged in a practicum experience related to their specific field of interest. The potentials for the practicum are unlimited. The practicum may involve work or volunteer service in any biologically related career. Each practicum will need the approval of the Department chair. It is the student's responsibility to initiate a request for the practicum, suggest prospective openings, and declare in writing their interests and goals for each practicum. The practicum will be taken for pass/fail credit unless the student formally requests a letter grade before attempting the practicum.

**BIO 410 Seminar** **Two Credits (WI)**

Reading and discussion assignments for the biology major dealing with recent biology research and advancement. Special projects and problems may be done on an individual basis. Offered each spring to be taken by all biology majors during their senior year. Secondary education majors in biology and pre-med-tech biology majors should take this course during their junior year. Meets the general education writing intensive requirement.

**Prerequisite:** If taken for credit, 16 hours of previous biology. Anyone expecting to major in the Department may participate without credit. (Offered spring semester.)

**BIO 389 Junior Departmental Honors Research** **Variable Zero to Two Credits****BIO 489 Departmental Honors Research** **Variable Zero to Two Credits****BIO 490 Departmental Honors Thesis** **Variable Zero to Two Credits****BIO 199, 399 Open Titled Course** **One to Four Credits**

The course offered through AuSable Institute of Environmental Studies can be located at <http://www.ausable.org/ap.courses.cfm>. Contact the AuSable Faculty representative in the Biology Department at Greenville College for more information.

**CHEMISTRY (CHM)****CHM 107 Caveman Chemistry** **Three credits**

Caveman Chemistry explores the discovery, introduction and application of important chemical technologies into human culture. Through laboratory exercises and lectures students learn how ancient peoples used natural resources (rocks, clay, sand, ash etc.) to create new materials (pottery, glass, metals, explosives etc.) that changed history. It is a hands-on, interdisciplinary course designed to help students learn science in the context of human history. Meets the general education laboratory science requirement. (Two hours lecture and two hours lab each week.) (Offered fall semester).

**CHM 111 General Chemistry I** **Four Credits**

Basic principles of chemical reactions and descriptive chemistry are integrated in terms of atomic structure, bonding theory, molecular geometry, reaction rates, equilibrium, and thermodynamics. (Three lecture hours and three lab hours per week.) (Offered fall semester.)

**CHM 112 General Chemistry II** **Four Credits**

A continuation of CHM 111. (Three lecture hours and three lab hours per week.)

**Prerequisite:** CHM 111 or equivalent. (Offered spring semester.)

**CHM 201 Organic Chemistry I** **Four Credits**

A two-tiered approach to organic chemistry is taken. CHM 201 is a one semester survey of the fundamentals of organic chemistry. Basic structure, bonding, nomenclature, stereochemistry, properties, and reactions of organic molecules are examined. The second course (CHM 301) covers the same topics but to a much greater extent and theoretical depth. Major emphasis is placed on reaction mechanisms and much new material is covered especially in the areas of spectroscopy, bonding theory, and structure/property relationships. (Three hours lecture and three hours lab per week.)

**Prerequisite:** CHM 112 or equivalent. (Offered fall semester.)

**CHM 301 Organic Chemistry II** **Four Credits**

A continuation of CHM 201. (Three hours lecture and three hours lab per week.)

**Prerequisite:** CHM 201 or equivalent. (Offered spring semester.)

**CHM 305 Quantitative Chemical Analysis** **Four Credits**

The study of acid-base, precipitation, redox, and complex-forming theory through titrations, gravimetric precipitations, and instrumental techniques. The uses of the more common analytical instruments are included in the laboratory. (Three hours lecture and three hours lab per week.)

**Prerequisite:** CHM 112. PHY 120, 210 are strongly recommended. (Offered spring semester of even calendar years.)

**CHM 310 Principles of Physical Chemistry** **Four Credits**

An introduction to physical chemistry for education, pre-medical, and biology students. Topics essential for understanding the modern molecular approach to biology and for a good foundation for biochemistry are covered. (Three hours lecture and three hours lab per week.)

**Prerequisite:** CHM 301, PHY 120, MTH 113 or 115. (Offered spring semester of odd calendar years.)

**CHM 315 Introduction to Biochemistry** **Four Credits**

A course building on organic chemistry providing an overview of the central molecules of life including DNA, RNA and proteins and their interplay. Protein conformation, dynamics, and function are studied. (Three hours lecture and three hours lab per week.)

**Prerequisite:** CHM 201, 301. BIO 110, 112 recommended. (Offered fall semester of odd calendar years.)

**CHM 321 Physical Chemistry** **Four Credits**

An introduction to the basic principles of theoretical chemistry with emphasis on thermodynamics and kinetics. (Three hours lecture and three hours lab per week.) Cross listed with PHY 321 Thermodynamics.

**Prerequisite:** CHM 112, MTH 217, and PHY 210. (Offered fall semester of even calendar years.)

**CHM 322 Physical Chemistry (Modern Physics)** **Four Credits**

A quantitative understanding of atomic, molecular, and nuclear physics is presented through the applications of introductory quantum mechanics. (Three hours lecture and three hours lab per week.) Cross listed with PHY 322 Modern Physics.

**Prerequisite:** MTH 217, MTH 218, CIS 140, PHY 210. (Offered fall semester of odd calendar years.)

**CHM 331 Inorganic Chemistry** **Four Credits**

Properties of the elements related to atomic structure and the periodic table. (Three hours lecture and three hours lab per week.)

**Prerequisite:** CHM 321. (Offered irregularly.)

**CHM 342 Instrumental Analysis** **Four Credits**

This course covers the major types of instrumentation utilized in chemistry, biology and physics by providing "hands-on" experience as well as emphasizing the underlying principles. (Three hours lecture and three hours lab per week.) Cross listed with BIO 341/PHY 342.

**Prerequisite:** CHM 112 and PHY 120. Chemistry 201 recommended. (Offered spring semester of odd calendar years.)

**CHM 350 Science Curriculum Projects** **Two Credits**

This course will explore current trends and issues in science curriculum, development, and evaluation of science curriculum, and construction and use of science equipment. Students will consider the “big ideas” of science that should constitute core curriculum. Cross listed with PHY 350/BIO 350.

**Prerequisite:** Admission to Teacher Education Program; junior status. (Offered spring semester of odd calendar years.)

**CHM 351 Chemical Problems** **Two Credits**

A project course open to students with demonstrated ability. Projects are assigned in line with student interests and department facilities.

**Prerequisite:** Permission of instructor. (Offered irregularly.)

**CHM 401, 402 Research Participation** **Two Credits Each**

Work on some area of research currently in progress in the Chemistry Department. (Offered by request and with instructor approval.)

**CHM 395/405 Practicum** **Variable Credit**

The practicum will be taken for pass/fail credit unless the student formally requests a letter grade before attempting the practicum.

**CHM 409 Seminar in Chemistry** **Two Credits (WI)**

Introduction to research literature and exploration of new chemical frontiers. Reports on individual library research and discussion of them. Meets the general education writing intensive requirement.

**Prerequisite:** CHM 301 and 310 or 322. (Offered spring semester.)

**CHM 389 Junior Departmental Honors Research** **Variable Zero to Two Credits****CHM 489 Departmental Honors Research** **Variable Zero to Two Credits****CHM 490 Departmental Honors Thesis** **Variable Zero to Two Credits****CHM 199, 399 Open Titled Course** **One to Four Credits****COMPUTER AND INFORMATION SYSTEMS (CIS)****CIS 105 Computer Fundamentals** **Three Credits**

Learn basic through advanced computer concepts with an emphasis on both the personal computer and enterprise computing. Topics include hardware, application and system software, the internet and world wide web, communications, e-commerce, societal issues, high tech ethics, database management, information systems, career opportunities, and technology trends. (Offered every semester.)

**CIS 140 Introduction to Computer Programming** **Three Credits**

This course will introduce students to computers and programming. It will begin with a study of computer hardware and software relationships, and a review of common operating systems in use today, with a detailed review of microcomputer operating systems. Then programming language construction and principles will be covered, culminating in problem-solving and algorithm development in a high level computing language with several programming projects. Serves also as the entry point for a major in computer and information systems. Cross listed with DM 140.

**Prerequisite:** CIS 105 or DM 120. (Offered spring semester.)

**CIS 210 Programming and Data Structures I****Four Credits**

Using a modern high-level programming language, this course introduces algorithmic problem solving, basic control structures, basic data structures, and procedural abstraction.

**Prerequisites:** MTH 111 and CIS 140, or MTH 115. (Offered fall semester.)

**CIS 211 Programming and Data Structures II****Four Credits**

Using a visual programming environment and an object-oriented programming language, this course introduces software engineering principles, data abstraction, and class/object-based implementations of abstract data types. Inheritance and dynamic binding are introduced. The class includes a major team-based software engineering project and an individual project that includes an event-driven program with a GUI (Graphical User Interface).

**Prerequisite:** CIS 210 or equivalent. (Offered spring semester.)

**CIS 309 Applied Operating Systems****Three Credits**

This course covers operating system concepts which are necessary for maintaining and using computer systems. Topics include disk, file, and directory structures; installation and setup; resource allocation, optimization, and configuration; system security; and other related topics. Upon completion, students should be able to install and configure both the Linux and Windows operating systems and optimize performance.

**Prerequisite:** CIS/DM 140. (Offered spring semester of even calendar years.)

**CIS 315 Networking and Communication****Three Credits**

This course will introduce the student to the principles of data telecommunication and applications of data communications in current practice, including the Internet, distributed processing and databases, corporate data repositories, and the impact of improved telecommunications on business practice.

**Prerequisite:** CIS 140. (Offered fall semester of odd calendar years.)

**CIS 325 WWW Programming****Three Credits**

This course is designed to teach methods of programming for the World Wide Web. The student will learn about the technologies that are available and will create software that performs functions on an actual web site.

**Prerequisites:** CIS 140 or DM 140. (Offered fall semester of even calendar years.)

**CIS 330 Database Management****Three Credits**

Provides the student with an ability to describe the theory of operation of various Data Base Management Systems (DBMS) and the capability of using several of the more frequently encountered DBMS's which are available for computer systems. The student will also study methods of database administration.

**Prerequisite:** CIS/DM 140. (Offered spring semester of even calendar years.)

**CIS 340 Application Systems Analysis and Design****Three Credits**

Introduction to the principles and tools of formal systems analysis and systems design. Students will apply design techniques and tools to case studies regarding software development.

**Prerequisite:** CIS 330. (Offered fall semester of odd calendar years.)

**CIS 345 Managing Technical People****Three Credits (WI)**

Students in this course will learn the concepts and the techniques that are necessary to lead and motivate a team of technical people. Technical companies and technical work techniques will be studied and discussed. Also, methods of finding and developing technical talent will be covered. Meets the general education writing intensive requirement.

**Prerequisite:** MGT 101. (Offered spring semester of odd calendar years.)

**CIS 395/405 Practicum****Four Credits**

This course will be taken for pass/fail credit.

**Prerequisite:** CIS 340.

**CIS 389 Junior Departmental Honors Research****Variable Zero to Two Credits**

**CIS 489 Departmental Honors Research** **Variable Zero to Two Credits**

**CIS 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**CIS 199, 399 Open Titled course** **One to Four Credits**

## **COMMUNICATION (COM)**

**COM 101 Speech Communication** **Three Credits**

A basic introduction to the theory and practice of public speaking, interpersonal communication, small group communication, and speech communication with leadership skills. The goal is to help broaden the student's knowledge of the entire human interaction process so that he/she becomes more skillful as an initiator and recipient of messages in the dyadic, small group, and public arenas. (Offered every semester.)

**COM 101H Honors Speech Communication** **Three Credits**

Speech Communication for students in the Honors Program. Students will explore theories and practical applications of interpersonal, small group, and public presentations while exploring professional readings and advanced communication research and projects.

**Prerequisite:** Admission into the Honors Program. (Offered spring semester.)

**COM 121 Acting—Theory and Practice** **Three Credits**

The course includes an introduction to the basic requirements of acting, a history of acting, mental, and physical preparation for acting, and stage terminology and techniques. Also included are stage movement, vocal training, line interpretation, and characterization. (Offered fall semester of odd calendar years.)

**COM 126 Survey of Audio Engineering and Production** **Two Credits**

This course provides a thorough understanding of the theory and practice of studio recording and sound reinforcement. Cross listed with DM/MUSG 226.

**Prerequisite:** Sophomore standing. (Offered spring semester.)

**COM 140 Radio Station Operation** **Two Credits**

The course prepares the student in the basic skills of a radio station announcer/board operator. Rules and regulations of the Federal Communications Commission pertaining to work at any radio station, basic announcing techniques, and studio equipment operating procedures will be included. WGRN (FM) is used as a learning laboratory. (Offered every semester.)

**COM 221/421 Acting: Private Lessons and Studio** **One to Two Credits**

Through a process of private individual coaching, the course includes intensive study in script analysis, scoring, action and objective choices, characterization and vocal technique for the actor. A student may earn up to a maximum of four credits in private acting lessons. After the student earns 2 credits at the 200 level, he/she is eligible to enroll at the 400 level. A fee of \$375 per credit will be assessed for students enrolling in private lessons.

**Prerequisite:** COM121. (Offered spring semester.)

**COM 224/324 Theatre Workshop** **One to Three Credits**

Provides workshop experience in all phases of theatrical production—directing, stage management, make-up, costume, set design and construction, publicity, lighting, sound, props, and business practices. Open to all students who are interested in working on the production staff of a college play. This course may be repeated up to a combined total of eight hours.

**Prerequisite:** COM 224 must be taken before COM 324. (Offered every semester.)

**COM 225/325 Actors' Workshop** **One to Three Credits**

Provides first-hand experience in acting in which the student is an actor in a college play. Includes the study and practical application of acting techniques and character analysis. Only those who audition and are cast are eligible to enroll. May be repeated to a maximum of eight credits.

**Prerequisite:** COM 225 must be taken before COM 325. (Offered every semester.)

**COM 226 Fundamentals of Journalism** **Three Credits**

An introduction to the history, principles, and practice of news writing. Extensive experience in basics of newsgathering and reporting. Emphasis on “hard” news and “beat” writing. Cross listed with ENG 226.

**Prerequisite:** ENG 105. (Offered fall semester.)

**COM 227 Feature and Magazine Writing** **Three Credits**

A writing course exploring journalistic, expository forms, and stylistic techniques appropriate for periodical publications and their diverse audiences. Cross listed with ENG 227.

**Prerequisite:** ENG 105. (Offered fall semester of even calendar years.)

**COM 231/331 Newspaper/Yearbook Production** **One to Two Credits**

Provides students with experience in news writing, sports writing, feature writing, photojournalism, graphic design, desktop publishing, editing, advertising sales, theme implementation, budget management and other experiences related through the production of a campus newspaper and yearbook. May be repeated up to a total of six hours credit. Cross listed with ENG 231/331.

**Prerequisite:** COM 226, 227, or instructor permission. (Offered every semester.)

**COM 232 Broadcast Writing** **Three Credits**

Study of principles of writing copy for broadcast use for both radio and television. The student will prepare scripts for a wide variety of broadcast applications such as commercials, editorials and commentaries, promotional and public service announcements, news, sports reports, informational features, interviews, and music radio shifts. Cross listed with ENG 232. (Offered fall semester of even calendar years.)

**COM 236 Stagecraft** **Three Credits**

The primary focus of inquiry is on play production and backstage crafts. The course includes a study of the organization, materials, and skills necessary to produce a play. Consideration is given to costuming, make-up, publicity, management, scenery, properties, and lighting for the theatre. (Offered fall semester of odd calendar years.)

**COM 237 Script Analysis** **Two Credits**

This course investigates the basic principles and techniques for analysis of dramatic texts. Using Aristotle’s Elements of Drama as a foundation, the course examines diverse ways of analyzing scripts for dramatic performance including historical, psychological, and cultural approaches. (Offered spring semester of even calendar years.)

**COM 240/340 Radio Broadcast Practicum** **One or Two Credits**

Application of learned skills in news, production, sports, music, or advanced announcing at WGRN (FM). The student may choose any one section to pursue during a given semester. Students must have completed COM 240 in a particular area (e.g., news, production, etc.) before they are eligible to enroll in COM 340 in that same area. These courses may be repeated to a maximum of six credit hours.

**Prerequisite:** Consent of the instructor. (Offered every semester.)

**COM 255 Introduction to Mass Communication** **Three Credits**

The course examines the historical development, functions, and structures of the primary mass media: books, magazines, newspapers, recorded music, motion pictures, radio, television, and the internet. The course also looks at how such fields as journalism, public relations, and advertising use mass media to accomplish their ends. (Offered fall semester of odd calendar years.)

**COM 301 Persuasion/Argumentation** **Three Credits**

The theory and practice of persuasion for the purpose of developing critical thinking and reasoned advocacy. A study of how people persuade the media and how the media persuade people, as well as application to other practical techniques, including debate.

**Prerequisite:** COM 101 or consent of instructor. (Offered spring semester of odd calendar years.)

**COM 302 Advanced Public Speaking****Three Credits**

Expanded study and application of presentational and structural principles of public speaking, such as visual aids, nonverbal delivery, evaluation of presentations, ceremonial speeches, and business and professional presentations. (Offered spring semester of even calendar years.)

**COM 303 Small Group Communication****Three Credits**

An examination of interpersonal communication as it applies to group discussion. Specific areas of study include effective leadership, participation, dealing with conflict, fostering cohesiveness, and applying a reflective thinking process to problem solving. These goals are accomplished through task force groups, learning/personal growth groups, and social groups. (Offered spring semester of even calendar years.)

**COM 304 Communication Theory****Three Credits**

An examination of selected theories in all aspects of communication, and the application of those theories in the analysis and criticism of social and public discourse in today's world. This course is the basis of all communication aspects and it allows students to better understand the entire discipline.

**Prerequisite:** COM 101 or consent of instructor. (Offered fall semester of even calendar years.)

**COM 305 Voice and Diction****Two Credits**

The study and practice of voice development, careful articulation, and proper diction. Although the course is designed for normal voices, special attention is devoted to individual speech problems and practical, personal training in improving voice and speaking skills. (Offered spring semester of odd calendar years.)

**COM 306 Introduction to Public Relations****Three Credits**

The study of introductory materials to the public relations discipline. The student will discover the historical aspects; define the terms; and become acquainted with the duties, tools, and skills that are necessary to succeed in the field of public relations. Guest speakers, oral presentations, and writing assignments will enhance textbook information. Special events planning will be a highlight of this course. (Offered fall semester of even calendar years.)

**COM 307 Advanced Interpersonal and Gender Communication****Three Credits (CC)**

The study of the advanced aspects of interpersonal communication as it occurs in friendships, families, professional relationships, leadership roles, gender differences and sameness, and small groups. The student will explore in a more in-depth manner goals, roles, strategies, messages, conflict, perceptions, and listening as they are applied toward successful verbal and nonverbal communication in males, females, and cultures across borderlands. Meets the general education cross cultural requirement. (Offered fall semester of odd calendar years.)

**COM 308 Applied Public Relations****Three Credits**

The analytical application and integration of public relations procedures into the problem solving process. Experience is gained by applying basic techniques while planning, designing, and preparing an actual campaign, including all media preparations needed in the workplace.

**Prerequisite:** COM 306. (Offered spring semester of odd calendar years.)

**COM 309 Theatre History and Literature I****Three Credits**

This course is a survey of the history of theatre from the ancient Greeks to the 18<sup>th</sup> century. It includes a study of representative plays of various types, historical periods and geographical regions. Emphasis will be on analysis of the plays as well as their production potential. The course will examine theatre as an art that both reflects and influences social and cultural life. Cross listed with ENG 309. Meets the general education fine arts requirement. This course does not meet the general education literature requirement.

**Prerequisite:** ENG 201 or 243. (Offered spring semester of even calendar years.)

**COM 310 Theatre History and Literature II**

**Three Credits**

This course is a survey of the history of theatre from the 18<sup>th</sup> century to the present. It includes a study of representative plays of various types, historical periods and geographical regions. Emphasis will be on analysis of the plays as well as their production potential. The course will examine theatre as an art that both reflects and influences social and cultural life. Cross listed with ENG 310. Meets the general education fine arts requirement. This course does not meet the general education literature requirement.

**Prerequisite:** ENG 201 or 243. (Offered spring semester of odd calendar years.)

**COM 321 Oral Interpretation of Literature**

**Three Credits**

The course centers on a study of personae (speakers) and their role in the oral performance and communication of literature. There is emphasis on point of view, mode, characterization and dialogue, vocal techniques, and the use of imagery and tone color in oral interpretation. Emphasis is placed on performance as a method for studying literature. Cross listed with ENG 321. This course does not meet the general education literature requirement.

**Prerequisite:** ENG 201 or 243. (Offered fall semester of even calendar years.)

**COM 323 Play Directing**

**Three Credits**

A practicum in which the student directs and produces a one-act play. The student is instructed in the procedures for selection and analysis of the play, casting, rehearsal, stage direction, technical direction, and various production aspects of the play.

**Prerequisite:** COM 320 and consent of instructor. (Offered fall semester of even calendar years, as needed.)

**COM 324 Theatre Workshop (see COM 224/324)**

**COM 325 Actors Workshop (see COM 225/325)**

**COM 331 Newspaper/Yearbook Production (see COM 231/331)**

**COM 340 Radio Broadcast Practicum (see COM 240/340)**

**COM 350 Broadcast Management**

**Two Credits**

A study of the major aspects involved in managing broadcast stations, including financial management, human resource management, broadcast programming, sales, promotion and marketing, and broadcast regulations. Various management styles, theories, and practices are discussed and compared. (Offered spring semester of odd calendar years.)

**COM 355 Issues in Mass Communication**

**Three Credits**

A study of theory, research (methods and seminal studies), ethics, law, and regulation of the mass media. (Offered spring semester of even calendar years.)

**COM 360 Interviewing**

**Three Credits**

While the specific emphasis is on conducting oneself successfully in a job interview, the course will begin by examining some general principles of all types of interviewing. Structure, questioning, preparing for, and experiencing an employment interview, and appropriate dress and interview techniques will be covered. Students will also learn interviewing techniques for mass media, counseling, health care, and more. (Offered fall semester of odd calendar years.)

**COM 395/405 Internship**

**One to Three Credits**

This course will be completed for a letter grade.

**COM 410 Senior Seminar**

**Two Credits (WI)**

Independent reading and discussion assignments for the communication major or minor. Required of all communication majors. Special topics may be investigated in areas outside the regular curriculum. Such topics for investigation will be chosen according to the needs and interests of the individual student. A résumé, cover letter, mission statement, and portfolio will be completed, as well as 50 pages of written product. Cross listed with MP 410. Meets the general education writing intensive requirement.

**Prerequisite:** 18 credits in communication or permission of instructor. (Offered fall semester.)

**COM 421 Acting: Private Lessons and Studio (see COM 221/421)****COM 450 The Age of Shakespeare****Three Credits**

A study of the tragedies, histories, comedies, romances, and poetry of William Shakespeare. Students will do a close reading of the texts, analyzing them in light of classical and medieval dramatic influences, English history and Renaissance English society, and Shakespeare's own art and genius. Cross listed with ENG 450.

**Prerequisite:** ENG 201 or 243, or consent of instructor. (Offered fall semester of odd calendar years.)

**COM 389 Junior Departmental Honors Research****Variable Zero to Two Credits****COM 489 Departmental Honors Research****Variable Zero to Two Credits****COM 490 Departmental Honors Thesis****Variable Zero to Two Credits****COM 199, 399 Open Titled Courses****One to Four Credits****CORE (COR)****COR 101 Cornerstone Seminar****Three Credits****Foundations in the Liberal Arts Tradition**

Cornerstone Seminars introduce students to the rigors and rewards of the college experience. Faculty from all academic Departments design these seminars and develop topics that will lead first year students into college level study and reflection. As students explore the seminar's topic they develop and refine critical academic skills and the habits of mind necessary for success in college. Though students choose from course topics that vary with each professor, all Cornerstone Seminars are unified through their pursuit of common educational goals. The primary goal of COR 101 is to help students begin a pilgrimage of curiosity-driven, transformational learning in a Christian liberal arts community. (Offered fall semester.)

**COR 102 Introduction to Christian Thought and Life****Three Credits**

This course introduces the student to critical thinking regarding the essentials of Christian faith, including the nature of orthodox Christian belief and the practices that Christians have historically engaged in as part of their commitment to the Church of Jesus Christ. The course considers how one uses the authorities of Scripture, reason, tradition and experience as they form the bases for a Christian worldview. A visit to a variety of worship communities in Chicago is included as a requirement of the course.

**Prerequisite:** COR 101. (Offered every semester.)

**COR 301 Liberal Arts and Christian Thought****Three Credits**

This course introduces junior-level transfer students to the broadly integrative nature of transformational learning in a Christian liberal arts community. The course helps students explore the relationship between the essentials of Christian faith and their college study across the academic disciplines. Using the authorities of Scripture, reason, tradition and experience as a framework for shaping a Christian worldview, students explore a variety of problems from an interdisciplinary perspective.

**Prerequisites:** Transfer students with an Associate's degree or 60 transfer hours. COR 301 must be completed during a transfer student's first fall semester at GC. (Offered fall semester.)

**COR 302 Science and Christianity****Three Credits**

This course introduces students to the historical encounter between the various sciences and Christianity. The course will explore the history and content of scientific methodologies and paradigms employed in both the natural and social sciences. Students will also consider the key controversies within each discipline and the contemporary developments in each of these fields. The course will also examine how Christianity has shaped and been shaped by scientific developments. The aim of the course is to help the student develop an integrated worldview that will provide an understanding for the tension and synergy between science and Christian faith.

**Prerequisite:** COR 102 or 301, one lab science, and preferably junior status. A philosophy course is recommended. (Offered every semester.)

**COR 401 Capstone Seminar Advanced Integrative Studies****Two Credits**

This course is the senior capstone for a Greenville College liberal arts education. It is designed to help students understand the integrative nature of that education. It brings together students and faculty in a collaborative experience that integrates multiple disciplines, values with learning, and theory with practice. Course objectives are accomplished through a focus on a real world issue within the framework of a Biblical worldview. COR 401 builds on students' exposure to both introductory general education courses and advanced courses within their specific disciplines. The course goes beyond both to lead students into advanced integrative studies. The course, therefore, attempts to help students understand how both breadth and depth of education are means to real integration and holistic truth. Students work in small groups to produce a collaborative studies thesis/project, in order to accomplish the course objectives.

**Prerequisites:** COR 302, and Senior status. (Offered every semester.)

**COR 403 Christian Ethics****Three Credits**

Students will study the Biblical basis of Christian ethics and also become acquainted with other ethical theories or systems such as ethics based on consequences, on social contract, or on utility, while considering ultimate life purposes and applied ethics in specific life and social situations. This course is for students completing the undergraduate teacher education program (UTEP) only.

**Prerequisite:** COR 301.

**CRIMINAL JUSTICE (CRJ)****CRJ 201 Introduction to Criminal Justice****Three Credits**

An advanced survey course focusing on the description and interrelationships of the many agencies and institutions which comprise criminal justice; e.g., justice systems, law enforcement, corrections, etc. Agencies and institutions will be studied in their historical and social contexts, and will be further examined by way of major theories and models of criminal justice. The various professional implications of criminal justice will be examined. Cross listed with SOC 203.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester.)

**CRJ 270 Law Enforcement****Three Credits**

It is the goal of this course to develop a greater understanding of the complexities of the law enforcement function—its intricacies and diversity. This will be done through a thoughtful consideration of the structure and functions of law enforcement and through exploring the topics of police and police functions.

**Prerequisites:** CRJ 201 and SOC 101. (Offered spring semester of every third year.)

**CRJ 271 Professional Seminar I****One Credit**

This course provides students with a seminar experience (typically a one-day retreat), and a small number of class sessions with individual appointments with the instructor, for the purpose of helping the student create the foundation for a successful professional future. Requirements include the completion of an updated resume, two professional interviews, attendance at a professional conference, service hours, and a student success plan, all included in a well-organized portfolio. Ideally this course should be taken during the fall semester of the sophomore or junior year. Cross listed with SOC 271 and SWK 271.

**Prerequisites:** SOC 101. (Offered fall semester.)

**CRJ 275 Corrections** **Three Credits**

This class will introduce students to a critical study of corrections—the institutionalized system through which society incarcerates or otherwise punishes and supervises individuals identified as criminals. The course will consider the correctional system, with particular attention to the social forces that shape and are shaped by corrections. The course will focus on models and trends in corrections with application for both understanding society and preparation for practice.

**Prerequisites:** CRJ 201 and SOC 101. (Offered fall semester of every third year.)

**CRJ 351 Juvenile Delinquency** **Three Credits**

A course designed to investigate delinquency, including juvenile deviancy and juvenile crime. Applicable theories and models of delinquency will be investigated, as will social construction of delinquency. The course is appropriate for students focusing on criminal justice generally, as well as social work. Professional implications will also be examined. Cross listed with SOC 351 and SWK 351.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester of odd calendar years.)

**CRJ 361 Policies and Agencies** **Three Credits**

The study of a variety of social organizations and of the policies enacted or pursued related to mission, structure, and social-political environments. Governmental and non-governmental agencies in the areas of social work and criminal justice will be included. Using organizational theory and real-life models, students will engage in institutional problem-solving exercises. Cross listed with SOC 361 and SWK 361.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester of odd calendar years.)

**CRJ 371 Professional Seminar II** **One Credit**

This course begins with requirements similar to those in CRJ 271, but assignments are at a higher stage of development. Additionally, each student is required to produce one of two professional products. One option would be to write an academic paper which will be submitted to a journal or professional organization, and the other would be to complete an applied leadership project which demonstrates significant and innovative leadership with a campus or community organization, including the implementation and presentation of a successful applied idea, innovation, or intervention, tailor-made to that organization. Typically taken during the fall semester of the junior or senior year. Cross listed with SOC 371 and SWK 371.

**Prerequisite:** CRJ 271. (Offered fall semester.)

**CRJ 390 Individual Readings** **One to Three Credits**

Selected readings in an area not covered by course offerings, often in the general topic area of the chosen senior project. Annotated bibliography, reading notes, and a comprehensive research paper required. Cross listed with SOC 390 and SWK 390.

**Prerequisite:** Completion of or concurrent enrollment in CRJ 471.

**CRJ 395/405 Practicum** **Variable Credit**

Each student must successfully complete one or more practicum experiences, totaling 6-8 hours of academic credit, where 40 clock hours on location equals one hour of credit. Ideally, each practicum should be based in a criminal justice affiliated agency (court, probation office, correctional facility, local police station or sheriff's department, etc.), which specialized in some aspect of the criminal justice system. Ideally, an on-site supervisor with an appropriate degree or license will supervise the student's practicum. This course will be completed for a letter grade.

**Prerequisites:** SOC 101, 202, 210, CRJ 201, and upper division status.

**CRJ 471 Professional Seminar III** **Two Credits**

This course provides students with a capstone experience in the department, and links all academic and extra-curricular experiences at Greenville College with the students' occupational and service-oriented future. Requirements include updating the academic portfolio, including academic resumes, and completion of an oral exam and research-based senior project. The senior project includes a paper and a publicized oral report. Must be completed during the spring semester of the senior year. Cross listed with SOC 371 and SWK 371.

**Prerequisites:** SOC 101, 202, 210, and CRJ 271, 371. (Offered spring semester.)

<b>CRJ 389 Junior Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>CRJ 489 Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>CRJ 490 Departmental Honors Thesis</b>	<b>Variable Zero to Two Credits</b>
<b>CRJ 199, 399 Open Titled Course</b>	<b>One to Four Credits</b>

**DIGITAL MEDIA (DM)**

**DM 110 Light, Sound, and Motion** **Four Credits**  
 This course is designed to provide digital media majors with an accurate conceptual framework for understanding the underlying physical principles governing the behavior of moving objects and the phenomena associated with light and sound waves. Topics will include the kinematics of motion, Newton’s laws of motion, energy and momentum and wave mechanics and interference effects of light and sound. Applications involving acoustic and optical technology are presented. This course will not fulfill requirements for pre-professional science programs, chemistry, or physics majors. Three hours lecture and three hours laboratory per week. Cross listed with PHY 110.  
**Prerequisite:** MTH 106 or two years of high school algebra. (Offered fall semester of odd calendar years.)

**DM 120 Introduction to Digital Media** **Three Credits**  
 This course explores digital media as an experimental cultural practice, with an emphasis on critical approaches to art and technology. Experiments in digital imaging, digital audio, digital video, and multi-media authoring will be conducted. Students will produce independent digital media production projects, individually and in groups. Course meetings include seminar-style discussion of reading and other materials, critiques of student work, tech workshops, production studios (session in which we brainstorm, research ideas, and work on projects), and screenings. (Offered fall semester.)

**DM125/325 Digital Integration Experience** **One Credit**  
 Students will study the Biblical basis of Christian ethics and also become acquainted with other ethical theories or systems such as ethics based on consequences, on social contract, or on utility, while considering ultimate life purposes and applied ethics in specific life and social situations.

**DM 140 Introduction to Computer Programming** **Three Credits**  
 This course will introduce students to computers and programming. It will begin with a study of computer hardware and software relationships, and a review of common operating systems in use today, with a detailed review of microcomputer operating systems. Then programming language construction and principles will be covered, culminating in problem-solving and algorithm development in a high level computing language with several programming projects. Serves also as the entry point for a major in computer and information systems. Cross listed with CIS 140.  
**Prerequisite:** CIS 105 or DM 120. (Offered spring semester.)

**DM 226 Survey of Audio Engineering and Production** **Two Credits**  
 This course provides a thorough understanding of the theory and practice of studio recording and sound reinforcement. Cross listed with COM 126/MUSG 26.  
**Prerequisite:** Sophomore standing. (Offered spring semester.)

**DM 227 Studio Production** **Two Credits**  
 This course continues the study of theory and practice of studio recording, and includes Digidesign® Pro Tools 101 Certification. The course is “hands-on,” offering substantial studio time for individual recording projects. Cross listed with MUSG 227.  
**Prerequisite:** DM 226. (Offered fall semester.)

**DM 230 Graphic Design I** **Three Credits**  
 Problems in lettering, layout, and graphic design. Application of creative design to the fields of advertising and product design. Three double or two triple periods. Cross listed with ART 230.  
**Prerequisite:** ART 111 or 113. (Offered fall semester.)

**DM 241 Digital Photography I****Three Credits**

Students will work with traditional 35 mm and digital cameras and scanners to produce photographic images that can be improved, manipulated, altered, and printed from the computer. They will learn to control camera settings, adjust imagery using sophisticated photo manipulation software, and explore the variety of digitally based, photograph quality printing. Students will experiment with the fundamentals of photography while developing a portfolio of creative photography. Cross listed with ART 241. (Offered fall semester.)

**DM 250 Web Page Design****Three Credits**

This course covers the primary components of Web design: HTML, CSS, imaging, page design, site design, information architecture, site management, navigation, integrating JavaScript, writing for the Web, and usability as well as instruction in key Web design software, including Macromedia Dreamweaver and Macromedia Fireworks. Special attention is given to layout design, content creation, and project management.

**Prerequisite:** ART 111, and CIS 105 or DM 120. (Offered spring semester.)

**DM 301 Digital Video I****Three Credits**

Students will work to master the ability to shoot, capture, and edit digital video. They will prepare media in various types of formats and for various types of output. A major project will be to produce a short clip video which will integrate various software applications.

**Prerequisite:** DM 241. (Offered spring semester.)

**DM 305 Professional Communication****Two Credits (WI)**

This applied skills course is intended for people going into professional, rather than academic, post-graduate work. It applies those skills learned in foundational courses to specific professional situations such as proposal writing, staff briefings, and charting of financial information. Cross listed with MGT 301. Meets the general education writing intensive requirement.

**Prerequisite:** ENG 105 and COM 101 or their equivalents, plus junior or senior status. (Offered spring semester.)

**DM 325 Digital Integration Experience (see DM125/325)****DM 330 Graphic Design II****Three Credits**

Students will explore the advanced image creation and manipulation software used in the production of publication, digital illustration, and motion graphics. Carefully designed projects will move the student to proficiency in the most widely used software (Illustrator, Photo-shop, Flash, In Design, Final Cut Pro, etc.) while generating a portfolio of sophisticated artwork. Cross listed with ART 330.

**Prerequisite:** DM 230. (Offered spring semester.)

**DM 341 Digital Photography II****Three Credits**

Digital Photography II will explore the traditional use of photography as an art form and experiment with the new possibilities of the medium with the advent of digital manipulation. Emphasis will be placed upon recognizing and challenging one's own aesthetic disposition inside the discipline of photography. An exploration of both "classic" and "contemporary" photographers will grant students an insight to the history and current directions of this challenging art. Cross listed with ART 341.

**Prerequisite:** DM 241. (Offered spring semester.)

**DM 350 Introduction to Animation****Two Credits**

Introduction to Animation will expose students to the methods and objectives of motion and time based graphics in Flash and After Effects.

**Prerequisite:** DM140 and 230. (Offered spring semester.)

**DM 401 Digital Media Portfolio** **Three Credits**

This course will give the student a chance to demonstrate talent in the area of digital content. Each portfolio will include interactive design (including visual, navigation, and information design), creative arts, and various projects with technical merit. The student will demonstrate the level of expertise that has been gained from Digital Media courses, such as Graphic Design, Web Design, Computer Programming, Digital Video, Digital Photography, Digital Multimedia, and Studio Recording. This portfolio is intended to prepare students for entry in the job market or graduate school.

**Prerequisite:** Senior standing. (Offered every semester.)

**DM 402 Digital Video II** **Three Credits**

Continue in learning of standard pre-production, production, and post-production practices for shooting digital video projects. Students will learn more about shooting in a variety of lighting and acoustic situations and will explore more advanced editing techniques. Concentration will be in two areas: documentary and narrative/drama. Also, students will explore the role of video in contemporary culture, especially as it relates to traditional film history. (Offered fall semester.)

**DM 410 Digital Media Seminar** **Two Credits**

A capstone course for all digital media majors, involving independent and group work in selected areas, guest speakers, research projects, and discussion as an essential learning activity. Topics will include digital manipulation ethics, digital sharing ethics, God & technology, and development of a career and lifestyle based on a technological society. A trip to the Annual Chicago International Film festival in October is an integral part of this course. **Prerequisite:** Senior Status (Offered fall semester.)

**DM 395/405 Digital Media Practicum/Internship** **One to Four Credits**

This course will be taken for pass/fail credit.

**DM 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**DM 489 Departmental Honors Research** **Variable Zero to Two Credits**

**DM 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**DM 199, 399 Open Titled Courses** **One to Four Credits**

**ECONOMICS (ECON)**

**ECON 201 Principles of Microeconomics** **Three Credits**

The beginning of the one-year economics principles course, emphasizing profit maximizing for the firm, how government regulation affects business, and growth/environment questions. Moderate emphasis on mathematical analysis.

**Prerequisite:** MTH 106. (Offered fall semester.)

**ECON 202 Principles of Macroeconomics** **Three Credits**

For second year business students, emphasizing economic principles, national income, employment, inflation, and fiscal and monetary policy.

**Prerequisite:** ECON 201. (Offered spring semester.)

**ECON 352 Modern Economic History** **Three Credits**

An interdisciplinary course organized for studying backgrounds to current economic problems in context with related social, political, and religious issues. (Offered irregularly.)

**ECON 353 Environmental Economics****Three Credits**

Students will study two kinds of environmental issues: resource conservation and pollution of the environment. In both cases students will consider whether markets can achieve the best results for humankind, or whether stated intervention and control to keep us safe and healthy.

**Prerequisite:** ECON 201. (Offered irregularly.)

**ECON 199, 399 Open Titled Courses****One to Four Credits****EDUCATION (EDU)**

Non-teacher education majors may enroll in a maximum of three EDU prefixed courses with approval from the course instructor. Since the Illinois State Board of Education mandates all education courses be performance based, non-majors must also fulfill the field assignments that are part of course requirements. Thus, permission may be granted to students who have at least a 2.75 grade point average and have completed and submitted a criminal background check to the Illinois State Police **with the results received** in the education office at least one (1) week prior to the first day of class. Only teacher education majors approved by the Committee on Teacher Education may enroll in 400 level courses.

An ISP background check may take up to six (6) weeks for receipt of the results. Students should therefore plan accordingly and submit the ISP background check at least eight (8) weeks before school starts. This will allow students time to meet the one (1) week deadline set by the Education Office for receipt of the results. The form for submission of a background check may be obtained in the Education Office in LaDue 105.

**EDU 101 Introduction to Educational Practice****Three Credits**

This course prepares the candidate for admission to Teacher Education. Course content includes the characteristics of the Greenville College Teacher Education Program, a survey of the legal, social and ethical issues involved in public school education, an introduction to Live Text and program portfolio development, and a correlation of psychological principles to varied learning styles and milieus. This course is conducted on campus and includes 70 hours of field experience in school settings that have a large minority population. This course will give students the opportunity to determine whether they want to persist in the Teacher Education Program. There is a \$59 fee for this course. (Offered fall semester for transfer students and students with special needs by permission of instructor, and offered every Interterm for freshmen.)

**EDU 202 Cultural Awareness in the Classroom****Three Credits (CC)**

The purpose of this course is to explore race and poverty issues that impact the classroom environment. Candidates will search for effective strategies to better meet the needs of underserved populations. The hidden rules of economic class and characteristics of generational poverty will be studied, with emphasis on the impact this has on instruction. Students spend 40 hours assisting in a classroom which serves a high minority and low socioeconomic population. There is a \$59 fee for this course. Meets the general education cross cultural requirement.

**Prerequisite:** EDU 101. (Offered every Interterm.)

**EDU 280 Exceptional Child****Three Credits**

A study of children whose intellectual, physical, or emotional development deviates from the norm and of techniques to modify school programming to accommodate them. Focus is on the identification of exceptionalities and creating appropriate teaching/learning strategies. The legal basis for the education of exceptional children, as well as the historical and social foundations of special education, is studied. Thirty hours of field experience required.

**Prerequisite:** EDU 101. (Offered every semester.)

**EDU 300 Early Childhood Education Methods****Three Credits**

This course is designed to acquaint students with developmentally appropriate curriculums, methods, and materials for children from birth to age eight. Emphasis is on objectives of culturally diverse early childhood programs and the pedagogical interactions between students and teachers. Significant time is spent planning and discussing programs and activities of infants, toddlers, and pre-schoolers. Assignments include extensive field experience in an early childhood setting.

**Prerequisite:** Admission to the Teacher Education Program. (Offered fall semester.)

**EDU 305 Issues and Trends in Early Childhood Education****Three Credits (WI)**

This course is designed to acquaint candidates with the historical and current philosophy of early childhood education. Significant time is spent discussing current trends and issues that underlie strategies for teaching young children. Candidates will use research, discussion, and reflection to develop a personal philosophy of early childhood education. Meets the general education writing intensive requirement.

**Prerequisite:** Admission to the Teacher Education Program. (Offered spring semester of even calendar years.)

**EDU 310 Child, Family, and Community Relationships****Three Credits**

This course is designed to acquaint the student with the impact the family and community brings to the educational setting. Emphasis is placed on the importance of good communication between school and family. This course explores the variety of family configurations and their various needs. Methods for working with families of young children ages 0-5 with special needs as well as families with varied cultural perspectives will be developed. Community resources to assist families will be researched.

**Prerequisite:** Admission to the Teacher Education Program. (Offered spring semester of odd calendar years.)

**EDU 311 Elementary Art and Music Methods****Three Credits**

The content of this course focuses on using art, music, and movement to enhance student learning in the elementary classroom core curriculum. The course includes the study of tools, techniques, and technology of art, music, and movement. It provides candidates an understanding of the educational, communicative, and aesthetic values of dance, music, and visual arts and the role fine arts plays in reflecting history and culture. Field experiences required. (Offered every semester.)

**EDU 312 Teaching of Reading****Three Credits (WI)**

A course in the reading sequence designed to acquaint candidates with a variety of reading programs and approaches used in contemporary elementary and middle school classrooms. Emphasis is on the reading process and product from the early stages of readiness through middle school. Field experiences required. Meets the general education writing intensive requirement.

**Prerequisite:** Admission to the Teacher Education Program. (Offered every semester.)

**EDU 316 Reading and Writing Across the Curriculum****Three Credits**

Emphasis is on teaching reading and writing in content areas from grades 6 through 12. Relationships between reading, literacy, and writing within content areas are established and ways of meeting the needs of culturally diverse and dysfunctional students are explored. Candidates design appropriate learning experiences and apply reading-study skills to the content areas. Field experiences required. Cross listed with ENG 316.

**Prerequisite:** Admission to the Teacher Education Program. (Offered fall semester.)

**EDU 318 Corrective Reading****Three Credits**

Focus will be on informal assessments, such as miscue analysis, for the identification of word recognition problems and determination of current use of strategies as well as for assessing comprehension monitoring, general comprehension, and inferencing. Specific "best practice" strategies will be examined for instruction of word recognition and comprehension at the elementary and middle school levels. Prevention of reading problems through early intervention is also addressed.

**Prerequisite:** EDU 312 and admission to the Teacher Education Program. (Offered every semester.)

**EDU 330 Behavior Management** **Three Credits**

The application of learning theory to the management of both exceptional and regular school populations. Field experiences required.

**Prerequisite:** EDU 280 and admission to the Teacher Education Program. (Offered every semester.)

**EDU 340 Educational Measurement and Evaluation** **Three Credits**

This course is designed to explore classroom evaluation of student growth as an integral part of instruction. Candidates explore the purpose of evaluation as it relates to planning instruction. Professional, social, ethical, and philosophical considerations related to teaching/learning are also explored.

**Prerequisite:** Admission to the Teacher Education Program. (Offered every semester.)

**EDU 342 Middle School Curriculum and Instruction** **Three Credits (WI)**

A study of social and philosophical assumptions related to curricula, materials, and methods of instruction pertinent to middle school students. Focus is on organizing classes, making curricular decisions, determining methods and selecting learning resources. Field experiences required. Meets the general education writing intensive requirement.

**Prerequisite:** Admission to the Teacher Education Program. (Offered every semester.)

**EDU 351 Teaching Language Arts in Elementary and Middle Schools** **Three Credits**

This course explores methods and materials used in the teaching of the language arts at the elementary and middle school levels. Emphasis is placed on speaking skills, critical listening skills, using literature across the curriculum, and the writing process which includes grammar, spelling, handwriting, and word processing. The integration of technology, diversity in the classroom, critical thinking skills, and assessment and evaluation are also examined. Field experiences required.

**Prerequisite:** Admission to the Teacher Education Program. (Offered every semester.)

**EDU 352 Teaching Social Studies in Elementary and Middle School** **Three Credits**

This course explores methods, materials, and techniques used in the teaching of social studies at the elementary and middle school levels. Emphasis is placed on the social studies goals, writing objectives and lesson plans, assessment procedures, and the integration of other curricular areas. Critical and creative thinking skills are examined as they apply to the goals of social studies and planning. Cultural diversity, the integration of technology and small group activities are also explored. Field experiences required.

**Prerequisite:** Admission to the Teacher Education Program. (Offered every semester.)

**EDU 355 Teaching Mathematics in Elementary and Middle Schools** **Three Credits**

The course examines effective teaching strategies for teaching mathematics to elementary and middle school students. It emphasizes placing students in a role where they actively think, reason, problem solve, and make sense of an inquiry-oriented, problem solving classroom environment. Students will examine children's strategies for making sense of various mathematical concepts and consider means of facilitating the development of these strategies. Fifteen hours of field experience is required and will allow the student to practice some of the strategies discussed in class.

**Prerequisite:** Admission to the Teacher Education Program and an appropriate mathematics course which may be taken concurrently. (Offered every semester.)

**EDU 356 Teaching Science in Elementary and Middle Schools** **Three Credits**

This course examines strategies for teaching science to elementary and middle school students. The students will be exploring the nature of inquiry and strategies for promoting, supporting, and assessing students' scientific inquiry. This course will seek to provide students with instructional tools to help children develop conceptual understanding of scientific concepts. Students will examine strategies for questioning, sequencing of lessons, assessing students' understanding, meeting students' needs in multi-ability settings, and involving more girls and minorities. Fifteen hours of field experience is required and will allow students to practice some of the strategies discussed in class.

**Prerequisite:** Admission to the Teacher Education Program. (Offered every semester.)

**EDU 391 Readings in Early Childhood Education** **One to Three Credits**

This course is designed as a study of highly specific areas of Early Childhood Education. Analysis of literature on current topics pertaining to the education, care, and development, of children ages birth -8 is achieved through the development of an annotated bibliography.

**Prerequisites:** Admission to the Teacher Education Program. (Offered every semester.)

**EDU 400 Early Experience** **One Credit**

After admission to the professional internship, candidates receive student teaching placements. Candidates work with their cooperating teachers during the first week of school. Five days of clinical experience required.

**Prerequisite:** Admission to the Professional Internship. (Offered fall semester)

**EDU 401 Clinical Practice Elementary K-9** **Four Credits**

Focus is on the role of the elementary and middle school teacher within the community, school, and classroom. Relationships with school personnel, parents and community persons and agencies are covered. Methods and techniques of classroom management, lesson planning, student assessment, and parental interviewing and reporting are also considered candidates work with P-8 clinical instructors. Professional ethics and organizations are also covered.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester and Interterm.)

**EDU 402 Seminar in Elementary Education** **One Credit**

The course is designated to help students understand the integrative nature of learning as candidates draw from their coursework in sociology, psychology, history, English, religion, and education as well as their lifetime personal experiences in and out of the public schools. Successes and concerns involving classroom management, interpersonal relationships, student development, parental involvement, curriculum, and testing are some of the topics shared with the group.

**Prerequisite:** Admission to the Teacher Education Program and concurrent enrollment in the professional semester. (Offered every semester.)

**EDU 403 Seminar in Early Childhood Education** **One Credit**

Student teachers explore current issues and challenges encountered in their respective classrooms. Students will engage in reflective and problem solving discussions.

**Prerequisite:** Admission to the Teacher Education Program and concurrent enrollment in the professional semester. (Offered every semester.)

**EDU 404 Elementary Student Teaching** **Variable Eight to Twelve Credits**

For candidates completing the K - 9 program. Ten weeks of student teaching are required.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester.)

**EDU 405 Primary (1-3) Student Teaching** **Variable Five to Seven Credits**

For candidates completing the early childhood education program. Eight weeks of student teaching in an elementary school are required.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester in conjunction with EDU 407.)

**EDU 406 Elementary Special Education Student Teaching** **Variable Five to Seven Credits**

Taken in conjunction with EDU 408; includes an eight week assignment with elementary school students with disabilities.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester.)

**EDU 407 Pre-Primary Student Teaching** **Variable Five to Seven Credits**

Eight weeks of student teaching in a pre-primary early childhood setting.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester in conjunction with EDU 405.)

**EDU 408 Secondary Special Education Student Teaching** **Variable Five to Seven Credits**

Taken in conjunction with EDU 406 with an eight week assignment with secondary school students with disabilities.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester.)

**EDU 412 Clinical Practice Secondary****Six Credits**

This course will provide secondary education teacher candidates with an opportunity to develop a personal professional teaching identity as they integrate their understanding of content, students, and pedagogy in an 85-hour clinical practice setting. On-campus experiences will involve the candidate in exploring the role of various factors on the learning environment, as they begin to intentionally plan the learning environment they wish to foster in their future classrooms. Within this context, candidates will also develop their teacher “toolbox” of teaching strategies that promote active learning and which engage students with diverse abilities, cultures, and ethnicities. This course will also address some elements of the job search process.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester.)

**EDU 413 Adaptive Strategies for Special Education****Three Credits**

This course focuses on multiple and diverse support systems for special education students. The content includes the design and delivery of moderate to intensive support systems, principles of instruction in community based education, adaptive strategies and equipment, augmentative/assistive technology devices, curricular design and delivery, classroom design, collaborative planning and scheduling, and assessment of student progress and achievement. Field experience required.

**Prerequisite:** EDU 280 and Admission to the Professional Internship. (Offered fall semester.)

**EDU 416 Early Childhood Special Education Methods****Three Credits**

This course is designed to acquaint the student with concepts, materials, and strategies for facilitating all areas of development in young children birth through age five with special needs. Service delivery in various settings will be discussed. Extensive field experiences are embedded in this course. Required for Early Childhood Special Education approval. Field experiences required.

**Prerequisite:** Admission to the Teacher Education Program and EDU 280. (Offered fall semester.)

**EDU 417 Language Development****Three Credits**

This course is designed to investigate both typical and atypical language development from infancy to age eight with special emphasis on birth to five. Biological, environmental, social, and cultural factors are explored. Students will develop language activities and reflect on current professional literature on language development.

**Prerequisite:** Admission to the Teacher Education Program. (Offered fall semester of odd calendar years.)

**EDU 418 Assessment of Exceptional Children****Three Credits**

According to the LBS 1 Standard 3: “Assessment: the competent learning behavior specialist understands the education assessment process and uses various assessment strategies to support the continuous development of all students (ages 3-21).” Therefore, this course is designed to develop competency in the administration, scoring, and interpretation of educational tests. Additionally, a thorough investigation of multiple and diverse assessment techniques will be conducted.

**Prerequisite:** Admission to the Teacher Education Program. (Offered spring semester.)

**EDU 418EC Assessment for Special Education-Early Childhood****Three Credits**

This course is designed to develop competency in the administration, scoring, and interpretation of educational assessment tools with special emphasis on children 0-5 with special needs. A variety of assessment instruments and procedures used to make decisions about the learning and development of young children with special needs will be explored. The students will use assessment information to develop an IFSP or IEP in a multi-disciplinary setting.

**Prerequisite:** Admission to the Teacher Education Program. (Offered spring semester.)

**EDU 419 Secondary School Programs for Adolescents with Disabilities****Three Credits**

A study of organizational, administrative, and curricular modifications necessary for adolescents with disabilities. Techniques to create work-study programs are also stressed. Field experience required.

**Prerequisite:** EDU 280 and admission to the Teacher Education Program. (Offered spring semester.)

**EDU 421 Secondary Student Teaching** **Seven\* or Fifteen Credits**

Full semester of student teaching is required for secondary education and K-12 Spanish majors. \*K-12 physical education majors are required to complete eight weeks of student teaching in conjunction with EDU 424.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester.)

**EDU 424 Elementary Physical Education Student Teaching** **Seven Credits**

For candidates completing the K-12 specialist program in physical education. The assignment will be for six credits, for eight weeks.

**Prerequisite:** Admission to the Professional Internship. (Offered every semester.)

**EDU 425 Music Student Teaching** **Fifteen Credits**

For candidates completing the K-12 specialist program in music. Assignments are in an elementary K-6 program and in a secondary 6-12 program (with designations in chorus, instrumental, or both).

**Prerequisite:** Admission to the Professional Internship. (Offered every semester.)

**EDU 431 Methods and Materials for the Diagnostic Teaching of Reading** **Four Credits**

Focus is on the diagnostic methods and materials used in classrooms or reading laboratories. Emphasis is also on the definition, identification, diagnosis, and creative teaching strategies for remedial and corrective reading students.

**Prerequisite:** EDU 318, admission to the Teacher Education Program, and permission of the instructor. (Offered irregularly.)

**EDU 432 Clinical Experiences in Reading** **Four Credits**

A specially designed clinical experience in which candidates are required to meet with a designated remedial reading student for ten weeks. Candidates are expected to devise and facilitate a diagnostic program including writing detailed lesson plans and creating original materials corresponding to the needs of the student.

**Prerequisite:** EDU 431, admission to the Teacher Education Program, and permission of the instructor. (Offered irregularly.)

**EDU 450 Problems and Characteristics of Students with Disabilities** **Four Credits**

Course focus includes: definition, identification, diagnosis, remediation, curricular adaption and modification, and placement of children with disabilities – ages 3-21. Emphasis is on learning modalities and the theories dealing with causes. Field experience required.

**Prerequisite:** EDU 280 and admission to the Teacher Education Program. (Offered fall semester.)

**EDU 451 Methods and Materials for Special Education** **Four Credits**

LBS I components of Planning for Instruction (curricular adaptations and modifications); Learning Environment: Instructional Delivery; Foundations, and Collaboration are the primary focus. Professional Conduct/Leadership, and Reflection- Professional Growth are extensions of the coursework.

**Prerequisite:** EDU 280, 450, and admission to the Teacher Education Program. (Offered spring semester.)

**EDU 472 Middle School Mathematics Methods** **Three Credits**

This course examines effective strategies for teaching mathematics to middle school students. In addition, methods to be used to assess students' progress will be explored. Pre-service teachers will be provided instructional tools including questioning strategies, mini-lessons, investigations, format of lessons, formative and summative assessment strategies, meeting students' diverse needs, and methods of eliminating gender and ethnic/racial biases in mathematics instruction. Field experiences required.

**Prerequisite:** Admission to the Teacher Education Program. (Offered every semester and Interterm.)

**EDU 491 Seminar in Special Education** **One Credit**

An exploration of legal responsibilities of teachers, and contemporary problems associated with classroom instruction and management and the application of critical thinking and inquiry in an attempt to resolve them.

**Prerequisite:** Taken concurrently with student teaching. (Offered every semester.)

**EDU 492 Special Education Practicum** **Variable One to Four Credits**

This practicum offers students the opportunity to participate in an interactive assignment in an environment serving special needs individuals. A secondary focus for the course includes exposure to case study development including the aspects of characteristics, assessment, and methods. (Offered every semester.)

**EDU 496 Readings in Special Education** **Variable Credit**

A study of highly specific problem areas in the education of exceptional children.

**Prerequisite:** EDU 280 and admission to the Teacher Education Program. (Offered irregularly.)

**EDU 389 Junior Departmental Honors Research** **Variable Zero to Two Credits****EDU 489 Departmental Honors Research** **Variable Zero to Two Credits****EDU 490 Departmental Honors Thesis** **Variable Zero to Two Credits****EDU 199, 399 Open Titled Course** **One to Four Credits****ENGLISH (ENG)****ENG 100 Developmental English** **Three Credits**

Prepares students for successful college level reading and writing skills. Required of students who demonstrate a need in these areas. Placement is based on ACT/SAT scores and high school grades. Course does not meet general education requirements. (Offered fall semester.)

**ENG 100P Pronunciation and Speaking Skills for Non-native Speakers of English** **Three Credits**

The course focuses on the sounds, intonation, and speech patterns of American English. In-class drill and practice sessions and individual tutoring sessions are required. (Offered irregularly.)

**ENG 100SL American Language and Culture** **Three Credits**

This course is specifically designed for international students [English language learners] who want or need to polish their English writing and conversational skills. American culture will also be studied with special attention given to the expectations, classroom practices, and routines common at American universities. Students will receive extensive instruction and practice in all four language skills—writing, reading, listening and speaking. Course does not meet general education requirements. Co-enrollment in ENG100L (zero credit) is required. (Offered fall semester.)

**ENG 105 Research and Writing** **Three Credits**

A course in expository writing with special attention given to preparing research papers in both the Modern Language Association style and the American Psychological Association style. Classroom interaction will focus on the fundamental skills of critical thinking and writing necessary for studying and working within the academic disciplines. Emphasis is given to the development of thesis statements, logical organization, and the honest and effective use of sources in summary, analysis, and argument.

**Prerequisite:** COR 101. (Offered every semester.)

**ENG 105H Honors Research and Writing** **Three Credits**

An honors course in college writing designed for first year students with strong preparation and aptitude. Students will engage challenging classic and contemporary texts through reading, discussion, and expository writing. Instruction will also be given in the development of scholarly papers following both the Modern Language Association style and the American Psychological Association style. Open only to those selected by the Department. (Offered fall semester.)

**ENG 201 Introduction to Literature** **Three Credits**

An introduction to fiction, drama, and poetry as literary forms. Students will be encouraged to broaden and deepen their reading of literary texts through thoughtful analysis and interpretation of works of literature. Meets the general education literature requirement.

**Prerequisite:** ENG 105. (Offered every semester.)

**ENG 214 Theoretical Foundations of Second Language Development and Teaching** **Three Credits**

The course provides students with a theoretical overview of current linguistic, psychological, sociological, and educational issues related to second language acquisition and how they relate to the learning and teaching of second languages.

**Prerequisite:** ENG 105. (Offered spring semester of odd calendar years.)

**ENG 226 Fundamentals of Journalism** **Three Credits**

An introduction to the history, principles, and practice of news writing. Extensive experience in basics of newsgathering and reporting. Emphasis on “hard” news and “beat” writing. Cross listed with COM 226.

**Prerequisite:** ENG 105. (Offered fall semester.)

**ENG 227 Feature and Magazine Writing** **Three Credits**

A writing course exploring journalistic, expository forms, and stylistic techniques appropriate for periodical publications and their diverse audiences. Cross listed with COM 227.

**Prerequisite:** ENG 105. (Offered fall semester of even calendar years.)

**ENG 231/331 Newspaper/Yearbook Production** **One to Two Credits**

Provides students with experience in news writing, sports writing, feature writing, photojournalism, graphic design, desktop publishing, editing, advertising sales, theme implementation, budget management and other experiences related through the production of a campus newspaper and yearbook. May be repeated up to a total of six hours credit. Cross listed with COM 231/331.

**Prerequisite:** ENG 226, 227, or instructor permission. (Offered every semester.)

**ENG 232 Broadcast Writing** **Three Credits**

Study of principles of writing copy for broadcast use for both radio and television. The student will prepare scripts for a wide variety of broadcast applications such as commercials, editorials and commentaries, promotional and public service announcements, news, sports reports, informational features, interviews, and music radio shifts. Cross listed with COM 232. (Offered fall semester of even calendar years.)

**ENG 243 Masterpieces of World Literature** **Three Credits**

A study of literary selections from the ancient world to the present, from diverse writers such as Homer to Garcia Marquez. This course serves as the first course for English majors and as an Honors Program option for general education. Meets the general education literature requirement.

**Prerequisite:** ENG 105. (Offered spring semester.)

**ENG 245 Post-Colonial African Literature** **Three Credits**

This multi-genre literature course will introduce students to major authors of Africa’s literary renaissance.

**Prerequisite:** ENG 105. (Offered irregularly.)

**ENG 246 Cross Cultural Studies in Literature** **Three Credits (CC)**

An introduction to the literature of a cultural group other than the predominant culture group of the United States. Each time the course is offered it may examine a different literature. The different topics studied could range from African-American Literature to Chinese Literature to Irish Literature to Latin American Literature, but the course will always focus on introducing students to a variety of genres through an exploration of a different culture’s literary productions. Meets the general education cross cultural and literature requirements. Course may be repeated due to study of different topics.

**Prerequisite:** ENG 105. (Offered spring semester)

**ENG 309 Theatre History and Literature I****Three Credits**

This course is a survey of the history of theatre from the ancient Greeks to the 18<sup>th</sup> century. It includes a study of representative plays of various types, historical periods and geographical regions. Emphasis will be on analysis of the plays as well as their production potential. The course will examine theatre as an art that both reflects and influences social and cultural life. Cross listed with COM 309. Meets the general education fine arts requirement. This course does not meet the general education literature requirement.

**Prerequisite:** ENG 201 or 243, or consent of the instructor. (Offered spring semester of even calendar years.)

**ENG 310 Theatre History and Literature II****Three Credits**

This course is a survey of the history of theatre from the 18<sup>th</sup> century to the present. It includes a study of representative plays of various types, historical periods and geographical regions. Emphasis will be on analysis of the plays as well as their production potential. The course will examine theatre as an art that both reflects and influences social and cultural life. Cross listed with COM 310. Meets the general education fine arts requirement. This course does not meet the general education literature requirement.

**Prerequisite:** ENG 201 or 243, or consent of the instructor. (Offered spring semester of odd calendar years.)

**ENG 315 Historical and Modern Linguistics****Three Credits**

A study of the development of English with attention to historical influences as well as to linguistic evolution of sound, forms, structure, and meaning. Students will focus throughout the semester on current issues of gender, ethnicity, regionalism, etc. as they apply to the language. An introduction to the form and syntax of Modern English, with emphasis on the descriptive approach to grammar. Includes review of both traditional grammar and transformational-generative grammar.

**Prerequisite:** ENG 105. (Offered fall semester of odd calendar years.)

**ENG 316 Reading and Writing Across the Curriculum****Three Credits**

This course stresses the importance of developing reading and writing skills in the content areas as a means of learning subject matter. Students will learn to use a variety of reading and writing strategies for instruction in the content area classroom. They will also learn how to work with struggling or reluctant students, culturally diverse learner, English language learners, and gifted students. They will establish the relationships between these literary concepts and their own content areas, explore ways of meeting the needs of their students, and design learning experiences to help each member of their classes successfully read content materials and effectively apply reading-study skills. Cross listed with EDU 316.

**Prerequisite:** Admission to the Teacher Education Program. (Offered fall semester.)

**ENG 317 Methods and Materials for the Teaching of English as A Second Language****Three Credits**

This course provides students with information about the different historical and current approaches, methods and techniques used in teaching English as a second language. The course asks students to review and evaluate the different materials available to the instructor for effective delivery of information in the classroom.

**Prerequisite:** ENG 214. (Offered fall semester of odd calendar years.)

**ENG 318 Cross Cultural Studies for TESOL****Three Credits (CC)**

This course focuses on the dynamic relationship between language, communication, and culture. Students will study how cultural differences between communities and within communities affect the communication process and the language choices people make. Meets the general education cross cultural requirement.

**Prerequisite:** ENG 214. (Offered spring semester of even calendar years.)

**ENG 321 Oral Interpretation of Literature** **Three Credits**

The course centers on a study of personae (speakers) and their role in the oral performance and communication of literature. There is emphasis on point of view, mode, characterization and dialogue, vocal techniques, and the use of imagery and tone color in oral interpretation. Emphasis is placed on performance as a method for studying literature. Cross listed with COM 321. This course does not meet the general education literature requirement.

**Prerequisite:** ENG 201 or 243. (Offered fall semester of even calendar years.)

**ENG 324 Writing Fiction and Poetry** **Three Credits (WI)**

Practice in the craft of writing fiction and poetry through a study of modern and contemporary works. Meets general education writing intensive course.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered fall semester of odd calendar years.)

**ENG 327 Methods for Teaching Writing and Literature** **Three Credits**

This course will help English education majors develop a pedagogical strategy for teaching writing and literature.

**Prerequisite:** ENG 105. (Offered fall semester of an even calendar year.)

**ENG 331 Newspaper/Yearbook Production (see ENG 231/331)****ENG 340 American Literature to 1875** **Three Credits**

A study of the chief writers and types of American literature, prior to Twain.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered fall semester of even calendar years.)

**ENG 341 American Literature since 1875** **Three Credits**

A study of the chief writers and types of American literature, from Twain to the present.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered fall semester of odd calendar years.)

**ENG 344 British Literature to 1800** **Three Credits**

A survey of the major literary currents of Great Britain before 1800 through the study of selected major works by representative major writers.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered spring semester of odd calendar years.)

**ENG 345 British Literature since 1800** **Three Credits**

A survey of the major literary currents of England, Ireland, Scotland, Wales, and selections from the Commonwealth nations from 1800 to the present.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered spring semester of even calendar years.)

**ENG 350 Children's Literature** **Three Credits**

A comprehensive survey of the various types of poetry and prose for children, with considerable attention to the significant historical and folklore backgrounds. Meets the general education literature requirement for early childhood, elementary, and special education majors.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered every semester.)

**ENG 351 Literature for Adolescents** **Three Credits**

A comprehensive study of contemporary literature for the adolescent, involving inquiry into the nature and characteristics of literary materials to which adolescents respond; and criteria for selection and critical evaluation. Meets the general education literature requirement for secondary education majors.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered spring semester of odd calendar years.)

**ENG 395/405 Practicum** **Variable Credit**

Work experience in a writing intensive situation under professional supervision in areas such as public relations, journalism, and publishing. Emphasis is on writing, editing, researching, or doing publication production projects. Attention given to preparing a portfolio and résumé. The practicum will be taken for pass/fail credit unless the student formally requests a letter grade before attempting the practicum. (Only a total of eight credit hours from a practicum may be applied toward the required hours for the English major).

**ENG 417 Assessment and Evaluation in TESOL** **Three Credits (WI)**

The course prepares ESL instructors to understand the assessment and evaluation process and to plan and implement formal and informal assessment in the ESL classroom. Meets the general education writing intensive course.

**Prerequisites:** ENG 105, 214, 317, and 318. (Offered fall semester of even calendar years.)

**ENG 440 Topics in British Literature** **Three Credits**

An in-depth study of a particular author, a small number of authors, a genre, or a theme from a specific period in English literary history. (Course repeatable as topic changes.)

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered spring semester of odd calendar years.)

**ENG 450 The Age of Shakespeare** **Three Credits**

A study of the tragedies, histories, comedies, romances, and poetry of William Shakespeare. Students will do a close reading of the texts, analyzing them in light of classical and medieval dramatic influences, English history and Renaissance English society, and Shakespeare's own art and genius. Cross listed with COM 450.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered fall semester of odd calendar years.)

**ENG 451 English Novel** **Three Credits**

A survey of the development of the English novel from the eighteenth century to the present.

**Prerequisite:** ENG 201 or 243 or consent of instructor. (Offered fall semester of even calendar years.)

**ENG 452 American Novel** **Three Credits**

A survey of the American novel from 1800 to the present. (Offered spring semester of even calendar years.)

**ENG 456 English Seminar** **Two Credits (WI)**

A selected subject (such as a writer, a literary form, or a theme) explored within the context of current critical theory and the integration of faith and learning in literary studies. Meets the general education writing intensive requirement.

**Prerequisite:** Open to junior or senior majors who have completed at least 16 credits in English. (Offered spring semester of odd calendar years.)

**ENG 389 Junior Departmental Honors Research** **Variable Zero to Two Credits****ENG 489 Departmental Honors Research** **Variable Zero to Two Credits****ENG 490 Departmental Honors Thesis** **Variable Zero to Two Credits****ENG 199, 399 Open Titled Courses** **One to Four Credits**

## FINANCE (FIN)

### **FIN 341 Corporate Finance** **Four Credits**

Introduces the student to corporate financial management through the study of financial systems, techniques of financial analysis and working capital decisions, financial forecasting, financing current assets, capital budgeting, the cost of capital and the target capital structure quantity, statistical decision making, and financial techniques.

**Prerequisite:** ACCT 201 and ECON 201. (Offered fall semester.)

### **FIN 347 Investments** **Three Credits**

Addresses the issue of investment and stewardship as a philosophy of life; introduces the student to investment vehicles and to the concepts of risk, rate of return, and valuation as they are applied in investment decisions.

(Offered irregularly).

### **FIN 199, 399 Open Titled Courses** **One to Four Credits**

## FRENCH (FRN)

### **FRN 101, 102 Elementary French I and II** **Three Credits Each**

Objectives: speaking, understanding the spoken language, reading, writing, acquaintance with French culture.

**Prerequisite:** FRN 101 must be taken before FRN 102. (Offered fall and spring semesters, respectively.)

### **FRN 201 Intermediate French** **Three Credits**

Grammar review, conversation, readings.

**Prerequisite:** FRN 102 or equivalent. (Offered irregularly.)

### **FRN 199, 399 Open Titled Courses** **One to Four Credits**

## GEOGRAPHY (GEO)

### **GEO 101 Introduction to Geography** **Three Credits**

A survey of geographic themes with emphasis on the cultural and political aspects of the human environment. (Offered irregularly.)

### **GEO 102 Cultural Geography** **Three Credits**

Study of the diversity of human society, culture and space. (Offered irregularly)

### **GEO 103 World Regional Geography,** **Three Credits**

Study of why the world works the way it does, how its unique regions have taken shape, and how those regions are increasingly interconnected. (Offered spring semester.)

### **GEO 199, 399 Open Titled Course** **One to Four Credits**

## GREEK (GRK)

### **GRK 101, 102 Elementary New Testament Greek I, II** **Three Credits Each**

The basic principles of koine Greek grammar with attention to the mastery of basic vocabulary and syntax using an inductive approach in the writings of John.

**Prerequisite:** 101 must be taken before 102. (Offered fall semester of odd calendar years and spring of even calendar years.)

**GRK 201 Intermediate Greek** **Three Credits**

Reading in the epistles and synoptic gospels. Advanced study of grammar and syntax. Emphasis on vocabulary.

**Prerequisite:** GRK 102. (Offered irregularly.)

**GRK 199, 399 Open Titled Course** **One to Four Credits****GENERAL STUDIES (GS)****GS 102 PASS Study Skills** **One Credit**

The course is designed to provide instruction and practice of study skills, to enable the student to be successful in the classroom. Instruction includes time management, effective methods of note taking from lectures and readings, test taking techniques, and group projects. Career exploration is also offered. Offered only to students enrolled in the Professional Assistance for Student Success Program (PASS). (Offered fall semester.)

**GS 199, 399 Open Titled Course** **One to Three Credits****GS 298 Cooperative Education** **One to Twelve Credits**

A co-op is designed as a non-classroom career exploratory experience. The student is expected to evaluate the experience in light of coursework, career plans, or personal growth. A co-op is a paid work experience involving two supervisors, a work supervisor, and academic supervisor. Pre-registration must occur prior to the activity. Grading is pass/fail. A standard of 40 hours work experience is required for every credit awarded. Students must consult with their academic supervisor at least twice during the experience. Students submit final reports to the Office of Leadership & Life Calling, participate in a debriefing session conducted by the Associate Dean of Leadership & Life Calling and the academic supervisor, and submit a learning experience summary paper. The employer also submits an evaluation. Specifics are outlined in the Leadership & Life Calling's Co-op Handbook. A maximum of 12 credits may be applied to the degree.

**Prerequisites:** Sophomore standing, a 2.0 GPA, and departmental approval. (Offered every semester.)

**HONORS (HON)****HON 101 Honors Seminar** **One Credit**

Open to freshmen and sophomores in The Honors Program. A semester long study of a topic or issue with the exact content and instructional methodology varying each semester depending on the topic. Repeatable for a total of four credits.

**HON 110 Selected Topics** **One Credit**

Open to freshmen and sophomores in The Honors Program, this is a study of selected topics or subject matter approved by the Honors Council; the course stresses experiential learning and may be intensive and of a short duration. The exact content and instructional methodology may vary each semester depending on the topic presented. A course syllabus will be available from The Honors Program Office at the time of pre-registration. Repeatable for a total of four credits

**HON 301 Honors Seminar** **One Credit**

Open to juniors and seniors in The Honors Program. A semester long study of a topic or issue with the exact content and instructional methodology varying each semester depending on the topic. Repeatable for a total of four credits.

**HON 310 Selected Topics****One Credit**

Open to juniors and seniors in The Honors Program, this is a study of selected topics or subject matter approved by the Honors Council; the course stresses experiential learning and may be intensive and of a short duration. The exact content and instructional methodology may vary each semester depending on the topic presented. A course syllabus will be available from The Honors Program office at the time of pre-registration.

Repeatable for a total of four credits.

**HEALTH, PHYSICAL EDUCATION, AND RECREATION (HPR)****HPR 101 Wellness: Basic Concepts****One Credit**

The student is introduced to a variety of topics pertinent to health related fitness. These include methods of training for cardiovascular fitness, muscular strength, nutrition, stress management, and chronic diseases. (Offered every semester.)

**HPR 102 Wellness: Physical Fitness****One Credit**

A continuation of Physical Fitness I, this course engages students in activities that afford health related fitness. Students plan and execute a personal cardiovascular training program and participate in student based discussions of current wellness literature. BIO 113 Health (2 credits) may be taken in place of HPR 102 for physical education majors only.

**Prerequisite:** HPR 101. (Offered every semester.)

**HPR 107 Skill Lab: Football, Soccer, Volleyball****One Credit**

An understanding and practice of the basic sports skills. For physical education and recreation majors only; may be taken in place of general education activity requirement. (Offered fall semester of even calendar years.)

**HPR 108 Skill Lab: Basketball, Softball, Track****One Credit**

An understanding and practice of the basic sports skills. For physical education and recreation majors only; may be taken in place of general education activity requirement. (Offered fall semester of odd calendar years.)

**HPR 207 Skill Lab: Golf, Badminton, Tumbling****One Credit**

An understanding and practice of the basic sports skills. For physical education and recreation majors only; may be taken in place of general education activity requirement. (Offered fall semester of odd calendar years.)

**HPR 208 Skill Lab: Rhythms, Swimming, Tennis****One Credit**

An understanding and practice of the basic sports skills. For physical education and recreation majors only; may be taken in place of general education activity requirement. (Offered spring semester of even calendar years.)

**HPR 121 History and Philosophy of HPR****Two Credits**

Introduces students to broad program and career opportunities involving sports, fitness, physical education, and recreational activities. Includes historical and contemporary view of physical education, principles, aims, and objectives, with a view toward the development of a basic philosophy of physical education. (Offered fall semester of odd calendar years.)

**HPR 143 General Safety****Three Credits**

History, philosophy, and psychology of safety and accident prevention with emphasis on safety related to: athletics, farm, home, fire, industry, school, and traffic. (Independent Study)

**HPR 215 Strategies of HPR****Two Credits**

Designed for students preparing for teaching careers in physical education or coaching. The course presents systematic approaches to psychomotor learning, performance, instruction, and evaluation. Methods of classroom management are also addressed. (Offered spring semester of odd calendar years.)

**HPR 220 Coaching Football** **One Credit**  
Skill analysis, strategy, and teaching progression. (Offered fall semester of odd calendar years.)

**HPR 221 Coaching Soccer** **One Credit**  
Skill analysis, strategy, and teaching progression. (Offered fall semester of odd calendar years.)

**HPR 222 Coaching Volleyball** **One Credit**  
Skill, analysis, strategy, and teaching progression. (Offered fall semester of even calendar years.)

**HPR 223 Coaching Basketball** **One Credit**  
Skill, analysis, strategy, and teaching progression. (Offered spring semester of even calendar years.)

**HPR 224 Coaching Baseball/Softball** **One Credit**  
Skill, analysis, strategy, and teaching progression. (Offered spring semester of even calendar years.)

**HPR 226 Coaching Track and Field** **One Credit**  
Skill, analysis, strategy, and teaching progression. (Offered fall semester of even calendar years.)

**HPR 236 Theory and Technique of Individual Sports** **Three Credits**  
Skill analysis, strategy, and teaching progression in badminton, bowling, golf, tennis, and other individual sports. (Offered fall semester of even calendar years.)

**HPR 241 Introduction to Recreation** **Three Credits**  
This course explores recreation, its meaning, value, and conduct in a variety of contexts. It is structured to help students develop a formal philosophy of recreation, appreciate the historic and contemporary value of recreation in a variety of societies, and explore the potential of recreation as a vocation. (Offered fall semester of even calendar years.)

**HPR 254 Elementary School Physical Education** **Two Credits**  
Curriculum, evaluation, administration, and an understanding of child characteristics as related to motor learning. (Offered spring semester.)

**HPR 261 Leading Activities and Events** **Three Credits**  
Instruction and practice are provided to build skill in designing, developing, and leading activities and events. (Offered spring semester of odd calendar years.)

**HPR 301 Physiology of Exercise** **Four Credits**  
A study of the general effects of exercise on specific body systems and organs. The course also provides the student with the fundamental knowledge of exercise physiology and how it applies to the practical problems that occur on the athletic field or in the gymnasium.  
**Prerequisite:** BIO 245 (Offered spring semester.)

**HPR 305 Exercise Science** **Two Credits**  
Designed to help prepare the student to meet certification requirements of the American College of Sports Medicine for Fitness Instruction rating. The course includes the following areas of study: applied exercise physiology, exercise programming, emergency procedures, basic electrocardiography, health appraisal, and testing techniques, exercise leadership, program administration, human behavior, gerontology, functional anatomy and kinesiology and risk factor identification.  
**Prerequisite:** BIO 245 and HPR 301. (Offered as Independent Study.)

**HPR 311 Kinesiology** **Two Credits**  
A study of human motion as related to scientific muscle and joint actions involved in motor skills and exercise as it affects the human organism.  
**Prerequisite:** BIO 245. (Offered spring semester.)

**HPR 320 Curriculum and Evaluation of Health and Physical Education** **Three Credits**  
Curriculum, evaluation, administration, and an understanding of adolescent characteristics as related to motor learning in the secondary school physical education programs. (Offered fall semester of odd calendar years.)

**HPR 325 Psychology of Coaching** **Two Credits**  
 A study of motivational, discipline, cultural problems, coach and player personalities, and other individual and team aspects of coaching the modern player. The culmination of the course is the development of a personal coaching philosophy. (Offered fall semester of even calendar years.)

**HPR 326 Administration of Physical Education and Athletics (6-12)** **Two Credits**  
 A study of administration of athletics and physical education as it pertains to budget, liability, policy making, public relations, facility management, and other administrative responsibilities. (Offered spring semester of even calendar years.)

**HPR 335 Athletic Training and CPR** **Three Credits**  
 Lecture and laboratory experiences in the care and prevention of athletic injuries. The latest cardiopulmonary resuscitation methods and techniques are presented with practical application. (Offered fall semester.)

**HPR 341 Designing and Directing Projects** **Three Credits**  
 In this course, attention is given to the following elements of project design and development: writing mission statements, conducting needs and interest assessments, writing goals and objectives, scoping projects and determining constraints, garnering upper management and community support, working with volunteers, managing projects and reporting results. (Offered fall semester of odd calendar years.)

**HPR 343 Basic Driver Education** **Three Credits**  
 Designed to prepare teachers in driver education. Principles, content, materials, and methods of teaching in the classroom are presented. (Independent Study.)

**HPR 344 Advanced Driver Education** **Two Credits**  
 Laboratory experience is given during which time the student enrolled in this course gives behind-the-wheel observations, instruction, and evaluation. (Independent Study.)

**HPR 356 Adapted Physical Education** **Three Credits**  
 Designed to provide prospective teachers with experience in formulating individualized performance objectives, key teaching and therapy skills, and programming for specific problems in organization and administration of students with disabilities. Provides a brief review of the legislative and history of adapted physical education. (Offered spring semester.)

**HPR 361 Program Management** **Three Credits**  
 Consideration is given to developing effective leadership styles, decision making and problem solving, handling organizational conflicts, maintaining production and work involvement, and building relationships. (Offered spring semester of even calendar years.)

**HPR 395/405 Practicum** **Variable Credit**  
 This course will be taken for two to ten credits in recreation for a letter grade.

**HPR 410 Seminar in Health** **Two Credits (WI)**  
 Designed to assist students in locating, interpreting, synthesizing, and presenting research based information. Meets the general education writing intensive requirement.  
**Prerequisite:** Senior status. (Offered fall semester.)

**HPR 430 Readings in Recreation** **Two or Four Credits**  
 There are many career options in recreation (e.g. event management in sports, program directors in YMCAs, camps, prisons, and health promotion directors in corporations). In this course, students will develop and execute a plan for professional development through readings in a specific self-selected career option. (Offered as Independent Study.)

**HPR 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**HPR 489 Departmental Honors Research** Variable Zero to Two Credits

**HPR 490 Departmental Honors Thesis** Variable Zero to Two Credits

**HPR 199, 399 Open Titled Course** One to Four Credits

## **HEALTH, PHYSICAL EDUCATION, RECREATION, AND ACTIVITY (HPRA)**

**HPRA 210 Backpacking** One Credit

**HPRA 214 Canoeing** Half Credit

**HPRA 216 New Games** Half Credit

**HPRA 218 Rock Climbing** Half Credit

**HPRA 228 Self-Defense** Half Credit

**HPRA 230 Strengths Training** Half Credit

**HPRA 232 Swimming** Half Credit

**HPRA 234 Walkabout** One Credit

**HPRA 250 Badminton** Half Credit

**HPRA 252 Bowling** Half Credit

**HPRA 256 Fencing** Half Credit

**HPRA 258 Golf** Half Credit

**HPRA 260 Tennis** Half Credit

**HPRA 262 Volleyball** Half Credit

## **HISTORY (HST)**

**HST 101 Western Civilization** Three Credits

The development of Western Civilization from the earliest civilizations in the Ancient Near East to the present, analyzing political, social, cultural, economic, and religious ideas and meaningfully applying them to contemporary life. (Offered every semester.)

**HST 201 American History** Three Credits

People, ideas, and institutions in American history from English colonization to the present. (Offered every semester.)

**HST 202 Eastern Civilization** Three Credits (CC)

The study of the history and culture of China and Japan from ancient times to the present. Meets the general education cross cultural requirement. (Offered spring semester.)

**HST 215 History Teaching Methods** Three Credits

This course allows students the ability to practice and refine the skills necessary for successful secondary history instruction. (Offered spring semester of even calendar years.)

**HST 225/325 African American History I (1492-1860)****Three Credits**

African American History I (1492-1860) explores the history of American slavery from its beginnings in the West Indies through colonization and up to the Civil War. The course examines the Atlantic slave trade (until its abolition in 1808), domestic slavery in America, the political and ideological divide within America (during this time period) over the issue of slavery, and the efforts of American and British abolitionists to end slavery. Meets the general education cross cultural requirement.

**HST 226/326 African American History II (1860-1970)****Three Credits**

African American History II (1860-1970) examines the halting progress Americans made during the 100 years between the Emancipation Proclamation and the civil rights legislation of the 1960's. Students consider the perspective of significant American civil rights activists, including W. E. B. Du Bois, Booker T. Washington, Josephine St. Pierre Ruffin, Mary Church Terrell, Anna Julia Cooper, Marcus Garvey, A. Philip Randolph, Malcolm X, and Martin Luther King Jr. Meets the general education cross cultural requirement.

**HST 245 Jews, Christians, Muslims****Three Credits**

A study of the history, culture and texts of Jews, Christians and Muslims based upon an examination of the significance of monotheism, Scripture, authority, ritual, family life, ethics, material culture, within each group. Observation of concepts and phenomena they share, as well as the ways they are distinguished for the purpose of understanding each group's origin, development, influence, and connection to civil/political orders. Cross listed with REL 245.

**Prerequisite:** COR 102 (may be taken concurrently) or Bible course or permission of instructor. (Offered spring semester of even calendar years.)

**HST 250 Historical Method****Three Credits**

A course in the techniques of historical research and writing.

**Prerequisite:** HST 101 or 201 or equivalent. (Offered spring semester of odd calendar years.)

**HST 304 19<sup>th</sup> Century American History****Three Credits**

This course examines American history and culture during this tumultuous century (roughly 1820-1900). The class examines the major social, religious, and political reforms of the century and the historical context in which they were born.

**Prerequisite:** HST 201 and ENG 105. (Offered spring semester of even calendar years.)

**HST 305 20<sup>th</sup> Century American History****Three Credits (WI)**

This course examines the development of U.S. social, cultural, and political history from World War I to the present. Meets the general education writing intensive requirement.

**Prerequisite:** HST 201 and ENG 105. (Offered spring semester of even calendar years.)

**HST 307 Early American History****Three Credits**

This course examines the social, cultural, and political development of the United States from colonization to the early national period.

**Prerequisite:** HST 201. (Offered fall semester of odd calendar years.)

**HST 310 Latin America****Three Credits (CC)**

Emphasizes the forces that shaped and are now reshaping the region. Examines historical reasons for the present problems that trouble the area. Cross listed with SPN 310. Meets the general education cross cultural requirement. (Offered fall semester.)

**HST 325 African American History I (1492-1860) (see HST 225/325)****HST 326 African American History II (1860-1970) (see HST 226/326)****HST 343 Western Christianity I****Three Credits**

The systematic study of the development of Western Christendom from the first through the fifteenth centuries focusing on major themes, figures, actions, and impulses. The historical method of research will be employed as a means of helping students to gain a contextualized understanding

and appreciation for the developing role of the church and its relationship to culture. A major emphasis will be placed on the reading of primary sources as a means for understanding the development of Christian theology. Cross listed with REL 343. (Offered fall semester.)

**HST 344 Western Christianity II** **Three Credits**

The systematic study of the development of Western Christendom from the sixteenth through the twentieth centuries focusing on major themes, figures, actions, and impulses. The historical method of research will be employed as a means of helping students to gain a contextualized understanding and appreciation for the developing role of the church and its relationship to culture. A major emphasis will be placed on the reading of primary sources as a means for understanding the development of Christian theology. Cross listed with REL 344. (Offered spring semester.)

**HST 345 History of Judaism** **Three Credits**

A study of the Jewish religion/culture that developed in the sixth century BCE and flourished in the Persian, Greek and Roman periods. Includes encounters with the rabbinic literature that began to be produced in the second century CE—the Midrashim, Mishnah, and Talmud's—and modern expressions of Judaism around the world. Cross listed with REL 345.

**Prerequisite:** COR 102 or 301 or permission of the instructor. (Offered spring semester.)

**HST 352 Modern Economic History** **Three Credits**

An interdisciplinary course organized for studying backgrounds to current economic problems in context with related social, political, and religious issues. (Offered irregularly.)

**HST 353 History of Russia** **Three Credits**

This course examines the development of Russian politics, religion, and culture from the prehistoric period to the presents. This allows study of a culture which is connected to the European societies with which student are familiar, but which is strikingly different in many ways.

**Prerequisite:** HST 101. (Offered fall semester of odd calendar years.)

**HST 354 Modern European History** **Three Credits**

This course examines the cultural, intellectual, and political history of Europe from the Renaissance to the modern day. Focus will be on the political, economic, intellectual, and religious developments which shaped today's Europe. Particular attention will be played to the period beginning with the French Revolution.

**Prerequisite:** HST 101. (Offered fall semester of odd calendar years.)

**HST 390 Readings in History** **One to Two Credits**

Selected readings chosen by student and instructor.

**HST 395/405 Internship** **Variable Credit**

The practicum will be taken for pass/fail credit unless the student formally requests a letter grade before attempting the practicum.

**HST 451 Historiography** **Three Credits**

Studying the events, trends, and ideologies of the past is only the first step, the raw material, in understanding the past because they must be interpreted in order to have meaning. Historiography is the study of the ways in which the past has been interpreted. We will look at the major interpretive trends among historians in the United States in the past, and the most prominent current interpretations.

**Prerequisite:** Junior status. (Offered irregularly.)

**HST 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**HST489 Departmental Honors Research** **Variable Zero to Two Credits**

**HST 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**HST 199, 399 Open Titled Course** **One to Four Credits**

**HUMANITIES DIVISION COURSES (HUM)****HUM 211 Introduction to the Fine Arts****Three Credits**

An elementary study of the formal and historical aspects of architecture, sculpture, painting, and music, and an examination of their relation to Western civilization at its high points.

**Prerequisite:** ENG 105. (Offered every semester.)

**MANAGEMENT (MGT)****MGT 101 Introduction to Business****Three Credits**

A survey of business intended to give the student a general knowledge of the modern business world, provide a basis for choosing a field of specialization, and acquaint him or her with numerous business areas. (Offered every semester.)

**MGT 180 Professional Business Leaders I****One to Three Credits**

Professional Business Leaders I is a visiting speaker series in which both national and local managers and leaders discuss their business careers, share how they integrate faith and management practice and help students develop appropriate career skills. During the course students can work towards The Future Business Leaders of America – Professional Business Leaders Career and Membership Advancement Program (CMAP) Awards. Professional Business Leaders I and II can be taken in any order. (Offered fall semester of even calendar years.)

**MGT 181 Professional Business Leaders II****One to Three Credits**

Professional Business Leaders II is a second series of visiting speakers in which both national and local manager and leaders discuss their business careers, share how they integrate faith and management practice and help students develop appropriate career skills. During the course students can work towards The Future Business Leaders of America – Professional Business Leaders Career and Membership Advancement Program (CMAP) Awards. Professional Business Leaders I and II can be taken in any order. (Offered fall semester of odd calendar years.)

**MGT 207/307 Sports Management Simulation****Three Credits**

This course is a computer simulation course designed for students studying Management, Sports Management, Marketing, and Media Promotions. By its very nature, it will also be of interest to students interested in professional sports in general and specifically professional football. Students will learn to run their own football franchise and will have to make decisions on franchise location, ticket pricing, special promotions, media planning, stadium staffing, parking policies, financial issues, and player management. The course presents a fun and challenging way to learn the complexities of management.

**Prerequisite:** MGT 101. (Offered every Interterm.)

**MGT 222 Business Law****Three Credits**

A study of contracts, torts, agency, bailments, and property with emphasis on the social forces that have and will affect our legal rights and duties. (Offered fall semester.)

**MGT 240 Organizational Behavior****Three Credits**

This course examines leadership and group behavior in organizational settings. Featured topics include group development, group dynamics, the impact of leadership upon morale, executive decision making, leadership skills and styles, and the use of power within organizational settings. Cross listed with PSY 240.

**Prerequisite:** PSY 101 or 220. (Offered fall semester of odd calendar years.)

**MGT 301 Professional Communication****Two Credits (WI)**

This applied skills course is intended for people going into professional, rather than academic, post-graduate work. It applies those skills learned in foundational courses to specific professional situations such as proposal writing, staff briefings, and charting of financial information. Cross listed with DM 305. This course meets the general education writing intensive requirement.

**Prerequisite:** ENG 105 and COM 101 or their equivalents, plus junior or senior status. (Offered spring semester.)

**MGT 307 Sports Management Simulation (see MGT207/307)****MGT 321 Management of Organizations****Three Credits**

Develops a systematized body of managerial thought suitable to all business situations through understanding of planning, organizing, staffing, directing, and controlling functions. (Offered fall semester.)

**MGT 324 Human Resource Management****Three Credits**

A course designed to provide students with an understanding of the theories, principles, and practices of personnel management. (Offered spring semester.)

**MGT 327 Entrepreneurship****Three Credits (WI)**

This course provides an in depth focus on entrepreneurial strategy, marketing, finance, operations management and business plan development. Particular attention is given to the process of innovation in small business organizations and new venture development in entrepreneurial firms. Cross listed with MUSB 327. Meets the general education writing intensive requirement.

**Prerequisites:** MGT 101, 222, and MKT 201 (Offered spring semester.)

**MGT 351 International Business****Three Credits (CC)**

Students will understand the forces of globalization, why nations trade, problems of trade restrictions and international payments, and multinational corporations as international change agents. They will work from the manager's perspective to discover how working internationally affects the functional areas of business through influences of the land, the political environment, and the cultural heritage of the people. Meets the general education cross cultural requirement.

**Prerequisite:** Open to any upper division student. (Offered spring semester.)

**MGT 367 Quantitative Approaches to Business Problems****Four Credits**

A study of various quantitative approaches to decision making in business. Selected topics include linear programming, economic order quantity, and statistical decision making techniques.

**Prerequisite:** Any statistics course. (Offered spring semester.)

**MGT 380 Strategic Management****Three Credits**

Strategic Management explores how companies analyze their strategic environments, identify strategic choices and implement chosen strategies. Analytical tools include employing frameworks to analyze internal strengths and weaknesses as well as external opportunities and threats. The course is taught through an online strategic management simulation in which student compete in teams to enable them to evaluate their effectiveness in developing and implementing strategies for the firm. (Offered fall semester.)

**MGT 395/405 Management Practicum****Four to Twelve Credits**

This course will be taken for pass/fail credit.

**MGT 409 Seminar: Business as a Calling****Two Credits (WI)**

A capstone course for all business majors, involving independent and group work in selected areas, guest speakers, a research project, and discussion as an essential learning activity. Emphases include business ethics, entrepreneurship as a calling, and development of a career and lifestyle philosophy. Meets the general education writing intensive requirement.

**Prerequisite:** Senior status. (Offered every semester.)

**MGT 389 Junior Departmental Honors Research****Variable Zero to Two Credits****MGT 489 Departmental Honors Research****Variable Zero to Two Credits****MGT 490 Departmental Honors Thesis****Variable Zero to Two Credits****MGT 199, 399 Open Titled Course****One to Four Credits**

## MARKETING (MKT)

**MKT 201 Marketing** **Three Credits**

The present marketing system is described, analyzed, and evaluated through study of consumers, marketing functions, institutions, and commodities. The motivation of mass markets through advertising and personal selling is given special attention. (Offered every semester.)

**MKT 332 Consumer Behavior** **Three Credits**

Open to advanced students in management and marketing. From various theoretical perspectives including psychology, anthropology, economics, marketing, and sociology, the student examines how consumers move through decision processes from awareness to trial and brand loyalty. The course emphasizes the forming of marketing plans that will coordinate well with these processes. Cross listed with PSY 332. (Offered fall semester.)

**MKT 333 Sales and Sales Management** **Two Credits**

For advanced students in marketing and management who wish to learn about selling with finesse and integrity and to incorporate principles that they can both practice and transfer to others under their supervision. (Offered spring semester of odd calendar years.)

**MKT 334 Advertising** **Two Credits**

Advertising communicates messages to groups of consumers. Students learn how to reach groups efficiently, to design messages to inform persuasively, and to choose the best media for a particular product and consumer. They will design advertising messages for print and broadcast, and learn to design and budget an overall ad campaign.

**Prerequisite:** MKT 201. (Offered spring semester of even calendar years.)

**MKT 335 Marketing Management** **Three Credits**

Beginning with theory as taught in MKT 201 and ECON 201, students deal with selected marketing cases and learn to apply their theoretical principles. Work is both individual and in groups, and includes the creation and development of a new product.

**Prerequisite:** MKT 201. (Offered fall semester.)

**MKT 395/405 Marketing Practicum** **Four to Twelve Credits**

This course will be taken for pass/fail credit.

**MKT 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**MKT 489 Departmental Honors Research** **Variable Zero to Two Credits**

**MKT 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**MKT 199, 399 Open Titled Course** **One to Four Credits**

## MEDIA PROMOTIONS (MP)

**MP 395/405 Internship** **One to Three Credits**

Possibilities for internship include music business, promotions, and publicity, artist, management, publicist, and media. Required of all media promotions majors. This course will be completed for a letter grade.

**MP 410 Senior Seminar** **Two Credits (WI)**

Independent reading and discussion assignments for the media promotions majors. Required of all media promotions majors. Special topics may be investigated in areas outside the regular curriculum. Such topics for investigation will be chosen according to the needs and interests of the individual student. A résumé, cover letter, mission statement, and portfolio will be completed, as well as 50 pages of written product. Meets the general education writing intensive requirement. Cross listed with COM 410. (Offered fall semester.)

**Prerequisite:** 18 credits in communication or permission of instructor. (Offered fall semester.)

<b>MP 389 Junior Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>MP 489 Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>MP 490 Departmental Honors Thesis</b>	<b>Variable Zero to Two Credits</b>
<b>MP 199, 399 Open Titled Course</b>	<b>One to Four Credits</b>

## MATHEMATICS (MTH)

### **MTH 090 Developmental Mathematics** **Three Credits**

This course will cover the basic mathematical concepts required to develop critical thinking and quantitative reasoning. Subjects will include pre-algebra and elementary algebra concepts. The object of the course is to prepare students to understand the basic mathematical concepts that are expected of all college students in a bachelor's degree program. A grade of at least C will meet the mathematics proficiency requirement. The grade will be included in the cumulative grade point average, but credit for the course will not count toward the graduation requirement. (Offered fall semester.)

### **MTH 105 Mathematical Ideas** **Three Credits**

A few mathematical concepts selected to give students in many fields an appreciation of the beauty, extent, and vitality of mathematics. Some insight into the historical development of these concepts. The emphasis is not on developing computational skills. About one-third of the course is devoted to the basic ideas of probability and statistical thinking. Does not count toward the mathematics major.

**Prerequisite:** MTH 090 or proficiency. (Offered every semester.)

### **MTH 106 Finite Mathematics** **Three Credits**

This course will strengthen the mathematics skills of those students who must use mathematics in their major, such as business, biology, or the social sciences. Topics will include functions, systems of linear equations, matrices, linear programming, probability and statistics, and mathematics of finance including compound interest.

**Prerequisite:** One and one-half years of high school algebra or the equivalent. (Offered every semester.)

### **MTH 111 College Algebra and Trigonometry** **Four Credits**

This course is designed to prepare students, with the minimum required prerequisites, to pursue the calculus sequence. Selected topics in algebra, trigonometry, and analytic geometry are integrated by the concept of functions.

**Prerequisite:** Three years of high school courses in algebra and geometry. (Offered fall.)

### **MTH 113 Intuitive Calculus** **Three Credits**

An intuitive introduction for non-majors to the basic concepts of calculus. Topics include techniques of differentiation and integration of algebraic, exponential, and logarithmic functions. Applications to business and biology are stressed.

**Prerequisite:** Three years of high school courses in algebra and geometry, or MTH 111 or 106. (Offered spring semester of even calendar years.)

### **MTH 115 Introduction to Calculus I** **Four Credits**

The first course in the regular calculus sequence. Basic techniques of differentiation and integration are covered. Topics from Analytic Geometry are introduced.

**Prerequisite:** MTH 111 or equivalent background. (Offered fall semester.)

**MTH 116 Calculus II****Four Credits**

Techniques of integration, sequences and series, parametric equations, vector valued functions.

**Prerequisite:** MTH 115. (Offered spring semester.)**MTH 141 Mathematics for Teachers****Three Credits**

The mathematics content of grades K-5 is carefully studied. Fundamental properties underlying the structure of numeration systems and the various algorithms for computation are stressed. Other topics include measurement, approximation, informal geometry, sets, problem solving, and the use of the calculator. Required of elementary education majors. Does not count towards a mathematics major.

**Prerequisite:** Completion of or current enrollment in EDU 101. (Offered spring semester.)**MTH 150 Mathematics of the Middle Grades****Three Credits**

The mathematics content of grades 6-8 is carefully studied, with emphasis on the concepts that are usually categorized as pre-algebra skills. Topics will include probability and statistics, measurement, geometry, coordinate systems, percentage and fractions, and problem solving techniques. Does not count towards a mathematics major.

**Prerequisite:** MTH 141 or consent of instructor. (Offered irregularly.)**MTH 212 Linear Algebra****Four Credits (WI)**

This course is designed to give the mathematics student his or her first serious encounter with mathematical systems. Elements of the theory of vector spaces are developed. The student gains experience in matrix algebra, vectors, and linear transformations. Meets the general education writing intensive requirement.

**Prerequisite:** MTH 115. (Offered spring semester.)**MTH 217 Multivariable Calculus****Three Credits**

The differential and integral calculus of multi-variate functions, line and surface integrals, Green's Theorem, Divergence Theorem, Stokes' Theorem.

**Prerequisite:** MTH 116. (Offered fall semester.)**MTH 218 Differential Equations****Three Credits**

First-order differential equations, linear equations, and linear systems, power series solutions, Laplace Transforms.

**Prerequisite:** MTH 116. (Offered fall semester.)**MTH 301 Probability and Statistics****Four Credits**

Treatment of probability applied to discrete and continuous distributions; tests of hypotheses; independence and correlation; sampling theory.

**Prerequisite:** MTH 115. (Offered spring semester of even calendar years.)**MTH 302 Non-Euclidean Geometry and History****Four Credits**

Includes an introduction to history of mathematics, particularly contributions of Greek scholars; study of Euclid's elements; transition to Non-Euclidean geometrics developed by Gauss, Bolyai, Lobachevski, and Riemann; history of calculus and mathematical structures.

**Prerequisite:** MTH 115. (Offered spring semester of odd calendar years.)**MTH 304 Applied Mathematics****Four Credits**

Provides an experience in the uses of mathematics. Use and development of mathematical models will be considered. Topics will range from applications in the social sciences to physics and engineering. The choice of material will be based on current trends in mathematics applications and on student's needs.

**Prerequisite:** MTH 212, 217, 218. (Offered spring semester of even calendar years.)**MTH 306 Numerical Analysis****Four Credits**

Introduces basic theory in the numerical solution of mathematical problems. Topics include nonlinear equations, systems of linear equations, interpolating polynomials, numerical differentiation, integration, and solution of differential equations.

**Prerequisite:** CIS 210 and MTH 212, 217, 218. (Offered spring semester of odd calendar years.)

**MTH 308 Abstract Algebra** **Four Credits**

Axiomatic treatment of selected algebraic structures, including rings, integral domains, fields and groups, including an introduction to number theory.

**Prerequisite:** MTH 212. (Offered fall semester of odd calendar years.)

**MTH 319 Advanced Calculus** **Four Credits**

The language, fundamental concepts, and standard theorems of analysis are explored. The student learns to read the literature and investigates applications. Ideas from elementary calculus are revisited.

**Prerequisite:** MTH 212, 217. (Offered fall semester of even calendar years.)

**MTH 395/405 Practicum** **Variable Credit**

This course will be taken for pass/fail credit.

**MTH 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**MTH 489 Departmental Honors Research** **Variable Zero to Two Credits**

**MTH 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**MTH 199, 399 Open Titled Course** **One to Four Credits**

**MUSIC**

Music classes are divided into six course headings:

- Applied Music (MUAP)
- Music Education (MUED)
- Music Ensembles (MUEN)
- Music Business (MUSB)
- General Music (MUSG)
- Music Theory (MUTH),

**APPLIED MUSIC (MUAP)**

All music majors and minors must complete a series of applied classes in their primary instrument. Group and individual instruction classes will meet the applied music requirement.

**MUAP 101 Class Piano I** **One Credit**

Music majors and minors (except for students whose primary instrument is piano) will complete this first level of group instruction. Class includes fundamentals of notation and basic musicianship skills which include: repertoire, sight reading, transposition, harmonization, improvisation, and technique. Class meets twice weekly, and has a fee of \$175. (Offered fall semester.)

**MUAP 102 Class Piano II** **One Credit**

Elements of piano playing including touch, notation, rhythmic problems, major scales, and broken chords are covered. Instruction books, technical exercises, and studies of standard composers are given according to individual needs and the student's progress. Class meets twice weekly, and has a fee of \$175. (Offered spring semester.)

**MUAP 103 Class Piano III** **One Credit**

Elements of piano playing, including touch, notation, and rhythmic problems, major scales, and broken chords are addressed. Instruction books, technical exercises, and studies of standard composers are given according to individual needs and the student's progress. Class meets twice weekly, and has a fee of \$175. (Offered fall semester.)

**MUAP 104 Class Piano IV** **One Credit**

This final class piano focuses on the individual progress of each student. Class meets twice weekly, and has a fee of \$175. (Offered spring semester.)

**MUAP 105 Beginning Voice Class - Traditional One Credit**

A study of the fundamentals of singing; including posture, breath control, breath support, tone production, resonance, and diction. Repertoire is half classical and half commercial. Class meets twice weekly, and has a fee of \$175. (Offered fall semester.)

**Applied Music** classes are available for instruments listed below. Placement audition is required. One credit equals a 30 minute lesson weekly having a fee of \$375, and two credits equal an hour lesson weekly having a fee of \$750. Applied music courses are to be taken in numerical sequence. Students must pass an upper division audition jury before taking MUAP 311. Students are limited to two upper division audition juries. (Offered every semester.)

**MUAP130/131 Applied Lessons No Credit**

These numbers are designated as temporary holding lessons for new students. Student will drop this course after auditions during new student orientation (NSO).

<b>MUAP 111 Applied Music</b>	<b>One or Two Credits</b>
<b>MUAP 112 Applied Music</b>	<b>One or Two Credits</b>
<b>MUAP 211 Applied Music</b>	<b>One or Two Credits</b>
<b>MUAP 212 Applied Music</b>	<b>One or Two Credits</b>
<b>MUAP 311 Applied Music</b>	<b>One or Two Credits</b>
<b>MUAP 312 Applied Music</b>	<b>One or Two Credits</b>

**MUAP 314 Foreign Language Diction for Singers One Credit**

Course studies the pronunciation for French, German, and Italian song literature employing the International Phonetic Alphabet. There is no fee for this course. (Offered spring semester of even calendar years.)

**MUAP 315 Accompanying One Credit**

Class meets once a week for instruction and students learn to accompany vocal and instrumental soloists and/or ensembles. (Offered irregularly.)

**MUAP 316 Vocal Pedagogy and Literature Two Credits**

A study of current voice teaching methods and of standard art song literature. There is no fee for this course. (Offered spring of odd calendar years.)

<b>MUAP 411 Applied Music</b>	<b>One or Two Credits</b>
<b>MUAP 412 Applied Music</b>	<b>One or Two Credits</b>

**Instruments in which applied music courses maybe taken. Letter designates area of study.**

- A. Flute
- B. Oboe
- C. Clarinet and Bass Clarinet
- D. Bassoon
- E. Saxophone
- F. French horn
- G. Trumpet
- H. Trombone and Baritone
- I. Tuba
- J. Percussion
- K. Violin
- L. Viola
- M. Cello
- N. String Bass and Electric Bass
- O. Organ
- P. Piano - Private Lessons + Studio Class
- T. Guitar
- U. Voice - Private Lessons + Studio Class

- W. **Composition** (upper division only)
- X. **Piano - CCM/BME - first year principal applied**
- Z. **Voice - Private Jazz** (upper division only)

## MUSIC EDUCATION (MUED)

### MUED 281 Strings Class One Credit

Class instruction covers elementary principles of playing and teaching of string instruments. Emphasis is on development of tone production. Also considered are transposition, capabilities, and limitations of each instrument. Class meets twice weekly. (Offered fall semester of odd calendar years.)

### MUED 282 Percussion Class One Credit

Class instruction covers elementary principles of playing and teaching of percussion instruments. Emphasis is on development of tone production. Also considered are transposition, capabilities, and limitations of each instrument. Class meets twice weekly. (Offered fall semester of even calendar years.)

### MUED 291 Brass Class One Credit

Class instruction covers elementary principles of playing and teaching of band brass instruments. Emphasis is on development of tone production. Also considered are transposition, capabilities, and limitations of each instrument. Class meets twice weekly. (Offered spring semester of even calendar years.)

### MUED 292 Woodwinds Class One Credit

Class instruction covers elementary principles of playing and teaching of woodwind instruments. Emphasis is on development of tone production. Also considered are transposition, capabilities, and limitations of each instrument. Class meets twice weekly. (Offered spring semester of odd calendar years.)

### MUED 322 Instrumental Rehearsal Techniques Two Credits

Further development of skill in conducting, principles of instrumental rehearsal techniques, and preparation of specific works are rehearsed with the College band.

**Prerequisite:** MUSG 221 and MUTH 104, 104E. (Offered spring of even calendar years.)

### MUED 324 Choral Rehearsal Techniques Two Credits

Further development of skill in conducting, principles of choral rehearsal procedures, and preparation of specific works are rehearsed with college choral organizations.

**Prerequisite:** MUSG 221 and MUTH 104, 104E. (Offered spring semester of odd calendar years.)

### MUED 357 Elementary Music Methods Two Credits

Course includes development of philosophy of music education and objectives at the elementary level, survey, and evaluation of materials, and means of presenting those materials. (Offered fall semester of even calendar years.)

## MUSIC ENSEMBLES (MUEN)

Students involved in a music ensemble are expected to attend all rehearsals and concerts, unless specifically excused by the director. Since the morale of any team effort is built through working together toward a common goal, assessment is based on preparation, participation, and attendance. All music majors are required to participate in an approved ensemble for 6 sequential semesters while a full time student at Greenville College. A minimum of four semesters of a large ensemble are required. Approved ensembles are listed below. Music majors are limited to 2 ensembles per semester without prior approval of the Music Department chair. Four credits of 100 level ensembles must be earned before registering for a 300 level ensemble.

**MUEN 130 Ensemble****No Credit**

This number is designated as a temporary holding ensemble for new students. Students will drop this course in the first week of the semester upon successful admission into another ensemble group.

**LARGE ENSEMBLES****MUEN 140/340 Pep Band****Half Credit** <sup>26</sup>

This group performs at various athletic events. All members of the College community (not just music majors) are invited to participate. (Offered every semester.)

**MUEN 141/341 Greenville College Choir (A Cappella Choir)****One Credit**

The Greenville College Choir, founded by Professor Robert W. Woods in 1927, has become an outstanding symbol of the College. It offers students throughout the College an opportunity to sing exemplary sacred choral literature in an excellent mixed choir setting. Numerous concerts are given during the year including an extended annual tour. Membership is by audition and includes the expectation of a yearlong commitment. (Offered every semester.)

**MUEN 142/342 Chorale****One Credit**

Chorale is a mixed choir which focuses on music reading and vocal technique. As part of the Greenville Choral Union, Chorale performs large scale choral orchestral works such as Handel's "Messiah". Membership is open to all students and the community and an assessment audition is required. (Offered every semester.)

**MUEN 145/ 345 Concert Band****One Credit**

A traditional band ensemble performs various types of literature from all stylistic periods. Open to all students and community. (Offered every semester.)

**MUEN 146/346 Marching Band****One Credit**

This group, open to all students regardless of major, will perform in parades and do field shows at football games beginning fall 2011. (Offered every semester.)

**MUEN 147/347 Keyboard Ensemble****One Credit**

This ensemble is a 21<sup>st</sup> century keyboard orchestra utilizing state of the art digital keyboards and synthesizers. The touring ensemble will perform a variety of styles from Bach to Brubeck. Students are expected to remain in the ensemble for the full year. This ensemble is available by audition for piano students from the College. (Offered every semester.)

**MUEN 148/348 Chamber Orchestra****Half Credit**

This group performs at various types of college functions. All members of the College or community playing a traditional stringed instrument are invited to participate. (Offered every semester.)

**SMALL ENSEMBLES****MUEN 163/363 Chamber Singers****Half Credit**

Chamber Singers is a select vocal ensemble which performs sacred and secular literature from the 16<sup>th</sup> century to the present day. Concurrent enrollment in the Greenville College Choir is required. Students are expected to remain in the ensemble for the full year. Membership is by invitation. (Offered every semester.)

**MUEN 164/364 Worship Arts Ensemble****One Credit**

This ensemble explores the various understandings and concepts of worship leading. Students will gain practical experience in contemporary worship methods and will have multiple opportunities to tour as a ministry team. Students are expected to remain in the ensemble for the full year. Members are admitted by audition. (Offered every semester.)

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<sup>26</sup> In 2010-11, students may choose to earn a full credit for participating in the Pep Band.

**MUEN 165/365 Rock Ensemble** **One Credit**

In this ensemble students are organized into different ensembles each week, and assigned a song or a style of music to play. They are then critiqued on their performance by the instructor. This class is recommended for freshmen and new transfers. (Offered every semester.)

**MUEN 166/366 Flute Ensemble** **One Credit**

In this small ensemble, students perform flute quartet music. Members are admitted by audition. (Offered irregularly.)

**MUEN 167/367 Chamber Ensemble** **Variable Credit**

This ensemble is a flexible group instrumentation. (Offered irregularly.)

**MUEN 168/368 Lab Band** **One Credit**

This small ensemble provides students with practical opportunities to create and perform contemporary (pop, rock, and CCM) music. Groups rather than individuals audition for a lab band. Auditions begin three weeks after the beginning of each semester, allowing students to form their own bands before tryouts. (Offered every semester.)

**MUSIC BUSINESS (MUSB)****MUSB 125/325 Music Business Survey** **Three Credits**

A business course which overviews the inner workings of the recording industry including A&R administration, artist and producer agreements, music publishing, copyright registration, music retailing, radio airplay and INDIE promotion, and career options for this field. (Offered every semester.)

**MUSB 200 Record Company Operations** **Three credits**

This course studies the organization and operation of major and independent record labels. Topics include artist development, A & R Administration, budgets, production, marketing, and release schedules. The second part of the course is an in-depth study of the legal contracts required for operating a successful label. Current industry problems and economics differences between major and independent labels are discussed, as well as ethics and the Christian's role in the music industry. (Offered fall semester.)

**MUSB 225 Music Publishing and Copyright Laws** **Three Credits**

Explore the day-to-day operations of a publishing company, its departments, and the financial and contractual relationships between a publisher and a songwriter. The second half of the course is an examination of the essential provisions of the 1976 Copyright Act and the protection of intellectual property. (Offered spring semester.)

**MUSB 300 Album Marketing and Promotion** **Three Credits**

An in-depth study of the marketing and promotion of commercial products on an international level, including distribution patterns, merchandising methods, and promotion techniques which are unique to the industry. Students work with Blackroom Records to develop and implement comprehensive marketing and promotion campaign plans for regional and international distribution of a local product. (Offered fall semester.)

**MUSB 325 Music Business Survey (see MUSGB 125/325)****MUSB 327 Entrepreneurship** **Three Credits**

This course provides an in depth focus on entrepreneurial strategy, marketing, finance, operations management and business plan development. Particular attention is given to the process of innovation in small business organizations and new venture development in entrepreneurial firms. Cross listed with MGT 327. Meets the general education writing intensive requirement.

**Prerequisites:** MGT 101, 222, and MKT 201. (Offered spring semester.)

**MUSB 400 Artist and Tour Management** **Three Credits**

Artist Management is a study of interpersonal, business and contractual relationships between a manager and an artist, and their impact on the performing artist's career. The majority of the course examines the legal and financial aspects of an Artist Management Agreement and the role of a business advisor. In the second half of the semester, students explore the role of a Booking Agent in the artist's career, and analyze a standard Booking Agent Agreement. (Offered spring semester.)

**MUSB 395/405 Internship** **Variable Credit**

The internship offers practical experience in different areas of the entertainment industry under the supervision of professional firms. Students work at an industry corporation to gain knowledge in their chosen field. Internships may include Recording Studios, Production Companies, Film Studios, Publishing Companies, Management or Booking agencies. This course will be taken for pass/fail credit.

**MUSB 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**MUSB 489 Departmental Honors Research** **Variable Zero to Two Credits**

**MUSB 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**MUSB 199, 399 Open Titled Course** **One to Four Credits**

**GENERAL MUSIC (MUSG)**

**MUSG 100 Recital Class** **Zero Credits**

This course is designated as a requirement for all music majors to attend 12 concerts per semester, while music minors need to attend nine concerts per semester. Students must register for this course concurrently with any level of applied lessons; therefore, music majors are required to take this course every semester you are attending classes on campus. Applicable concerts and recitals will be provided at the beginning of the semester. (Offered every semester.)

**MUSG 150 Faith, Music, Culture** **One Credit**

This course will serve as a basis for creating a foundation in keeping a connection between a student's faith, how it can be used through the gift of music, and how to use those gifts to affect culture in a positive manner. Various types of music and their connection to culture as well as how today's culture affects students, music, and faith will be explored. (Offered fall semester.)

**MUSG 160 Introduction to Music Technology** **Two Credits**

This course is designed to give students a broad base of background and introduction to the various areas of music technology. The student will be introduced to and will have the ability to explore and practice specific techniques required in creating computer-aided scores of their original compositions. Students will create multiple recordings of their own original scores as well as directed assignments in the areas of locking sound to video and scoring for a short film.

**Prerequisite:** MUTH100 or 103. (Offered fall semester.)

**MUSG 176/376 Rock Music History** **Two Credits**

Students are exposed to various contemporary popular styles of music through extensive listening and analysis. Important musical characteristics are identified to help the student define the exact nature of each style. (Offered spring semester.)

**MUSG 209 Music Listening** **Two Credits**

This course develops critical listening skills for a variety of both western and non-western musical styles. Music will be evaluated by objective and aesthetic criteria. Open to all students, this course is the prerequisite for Music History I. (Offered spring semester.)

**MUSG 221 Elementary Conducting** **Two Credits**

This course studies standard conducting patterns, develops the skill of both hand and baton directing, and emphasizes development of listening and leadership skills.

**Prerequisite:** MUTH 104 and 104E. (Offered every semester.)

**MUSG 226 Survey of Audio Engineering and Production** **Two Credits**

This course provides a thorough understanding of the theory and practice of studio recording and sound reinforcement. Cross listed with COM 126/DM 226.

**Prerequisite:** Sophomore standing. (Offered spring semester.)

**MUSG 227 Studio Production** **Two Credits**

This course continues the study of theory and practice of studio recording, and includes Digidesign® Pro Tools 101 Certification. The course is “hands-on,” offering substantial studio time for individual recording projects. Cross listed with DM 227.

**Prerequisite:** MUSG 226. (Offered fall semester.)

**MUSG 229/329 Sound Reinforcement** **One Credit**

This course is repeatable up to three times. (Offered every semester.)

**MUSG 235 Critical Listening I** **One Credit**

This course will provide the students a foundational basis in how they listen to music in a more critical manner. The student will learn to create more professional sounding mixes and train their ear to identify stereo breathe, depth, balancing, and artful mixing techniques. (Offered spring semester.)

**MUSG 301 Worship Arts in the 21<sup>st</sup> Century** **Three Credit**

This course will explore the current status and evolution of the worship arts culture within contemporary Christendom. Students will seek to understand the importance of modern methodologies as pertinent to the pursuit of the worship of GOD within the context of postmodernity. The course will also discuss the ever changing notion of vernacular communication and the ongoing discourse regarding ecumenical worship as the church of the 21<sup>st</sup> century attempts to achieve community, retain tradition, and operate out of a sense of cultural relevance. (Offered fall semester of odd calendar years.)

**MUSG 302 Music in Worship** **Three Credit**

This course introduces students to the historical, theological and philosophical foundations of music in Christian worship and provides instruction in the leadership and management of central musical acts within the Christian community, including singing and the use of instruments.

**Prerequisite:** MUSG 209 or HUM 211. (Offered fall semester of even calendar years.)

**MUSG 309 Music History I** **Three Credits**

This course is a survey of the development of musical styles and their creators from antiquity to 1750. Meets the general education fine arts requirement.

**Prerequisite:** MUSG 209 and MUTH 104, 104E or permission of the instructor. (Offered fall semester.)

**MUSG 310 Music History II** **Three Credits (WI)**

This course is a survey of the development of musical styles and their creators from 1750 to the present day. This is a writing intensive course. Meets the general education fine arts and writing intensive requirement.

**Prerequisite:** MUSG 309 or permission of the instructor. (Offered spring semester.)

**MUSG 316 Pedagogy and Literature** **Three Credits**

a. For Piano—a survey of piano literature and readings related to pedagogical principles and the various facets of piano teaching. (Offered irregularly.)

b. For Voice—a study of current voice teaching methods and of standard art song literature. (Offered irregularly.)

**MUSG 326 Audio Editing Techniques****Two Credits**

Course is a study of intermediate techniques in recording, mixing, mastering, and production, and a continuation of MUSG 227.

**Prerequisite:** MUSG 227. (Offered spring semester.)

**MUSG 327 Mixing Techniques****Two Credits**

Course continues the study of MUSG 326 culminating an opportunity to sit for the Digidesign® certification test. Students who pass the test will receive a Digidesign® certification certificate, and will be given a webpage on the ProTools main website.

**Prerequisite:** MUSG 326. (Offered fall semester.)

**MUSG 329 Sound Reinforcement (see MUSG 229/329)****MUSG 335 Critical Listening II****One Credit**

This course will take students production skills to the next level by learning to recognize a deeper level of mixing techniques specifically in regards to mastering the final audio files.

**Prerequisite:** MUSG 235 (Offered fall semester.)

**MUSG 350 Faith, Music, Culture Senior Seminar****Two Credits (WI)**

This seminar is designed as a capstone course in the CCM degree and is the bookend course to MUSG 150 Faith, Music, Culture. The goal of the course is to work with empowering the students to go out into their world after they graduate and reaffirm their ability to make a positive difference through their interactions with their culture. How students can be a Christian witness to a post-modern world will be explored. Meets the general education writing intensive requirement. (Offered spring semester.)

**MUSG 360 Audio Post Production****Two Credits**

This course will acquaint the student with the techniques and procedures for creating audio for film, video, radio and for the web. There will be specific projects in spotting effects, creating voice-overs, Foley effects, and music leads. This class will have many hands-on projects to implement new techniques.

**Prerequisite:** MUSG 227 (Offered spring semester.)

**MUSG 376 Rock Music History (see MUSG 176/376)****MUSG 395/405 Practicum****Variable Credit**

This course will be completed for a letter grade.

**MUSG 418 Senior Recital****One Credit**

The student will prepare a minimum of 45 minutes of music to be performed at a public recital.

The recital and program notes must be approved by a faculty jury prior to performance. Final jury must be passed prior to presentation of the recital. This course will be taken for pass/fail.

**Prerequisite:** A minimum of three credits (two credits for music education majors) of upper division applied music credit, including concurrent enrollment on the student's primary instrument and the successful completion of MUAP 104.

**MUSG 419 Senior Project****One Credit**

Students complete a large recording project and research paper. This course is available only to Audio Engineering majors.

**Prerequisite:** Students must pass the upper division jury at least one semester prior to the semester in which they enroll in MUSG 419 (see *Music Department Policies and Procedures Handbook* for jury requirements).

**MUSG 426 Mastering****One Credit**

Students study advanced techniques in recording, mixing, mastering, and production, and is a continuation of MUSG 327. This course is repeatable up to three times.

**Prerequisite:** MUSG 327. (Offered every.)

<b>MUSG 389 Junior Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>MUSG 489 Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>MUSG 490 Departmental Honors Thesis</b>	<b>Variable Zero to Two Credits</b>
<b>MUSG 199, 399 Open Titled Course</b>	<b>One to Four Credits</b>

## **MUSIC THEORY (MUTH)**

The music theory sequence is intended to give the student a basis for understanding music in score and performance through the study of its underlying principles. Students are expected to enter with some knowledge of music fundamentals—scales, key, intervals, chords, rhythms, etc. New students, including transfers, will be given a placement test.

**MUTH 100 Music Theory Fundamentals** **Three Credits**  
 This course is a study of music for students with no previous experience reading music. Foundational concepts of notation, pitch, rhythm, melodic, and harmonic organization, scales, intervals, and musical terms will be covered. (Offered fall semester.)

**MUTH 103 Written Theory I** **Three Credits**  
 The study of scales, keys, intervals, triads, seventh chords, chord progressions, cadences, harmonization of melodies and basses, non-harmonic tones, simple modulations, instrumental transposition, and analysis of simple song forms. (Offered fall semester, and should be taken concurrently with MUTH 103E.)

**MUTH 103E Ear Training and Sight Singing I** **One Credit**  
 Hearing, singing, writing, and analyzing the melodic, harmonic, and rhythmic elements of music are topics addressed in this class. (Offered fall semester, and should be taken concurrently with MUTH 103.)

**MUTH 104 Written Theory II** **Three Credits**  
 A continuation of Music Theory I.  
**Prerequisite:** MUTH 103. (Offered spring semester, and should be taken concurrently with MUTH 104E.)

**MUTH 104E Ear Training and Sight Singing II** **One Credit**  
 A continuation of Ear Training and Sight Singing I.  
**Prerequisite:** MUTH 103E. (Offered spring semester, and should be taken concurrently with MUTH 104.)

**MUTH 203 Written Theory III** **Three Credits**  
 A continuation of Written Theory II. Advanced modulations, consideration of the modes, secondary seventh chords, ninth chords, altered chords and augmented sixths, borrowed chords, ornamentation, analysis of form, scoring for instruments, and introduction to counterpoint.  
**Prerequisite:** MUTH 104. (Offered fall semester, and should be taken concurrently with MUTH 203E.)

**MUTH 203E Ear Training and Sight Singing III** **One Credit**  
 A continuation of Ear Training and Sight Singing II. Advanced ear training, sight singing, study of more difficult rhythmic patterns and written harmony are addressed.  
**Prerequisite:** MUTH 104E. (Offered fall semester, and should be taken concurrently with MUTH 203.)

**MUTH 204 Written Theory IV** **Three Credits**  
 A continuation of Written Theory III.  
**Prerequisite:** MUTH 203. (Offered spring semester, and should be taken concurrently with MUTH 204E.)

**MUTH 204E Ear Training and Sight Singing IV** **One Credit**

A continuation of Ear Training and Sight Singing III.

**Prerequisite:** MUTH 203E. (Offered spring semester, and should be taken concurrently with MUTH 204.)

**MUTH 215 Music Theory for Audio Engineers** **Two Credits**

This course will provide the audio student a solid basis in the skills needed for an Audio Engineer in today's recording studios. The course will cover more extensive music readings, chord charts, how to read and create lead sheets, how to write and notate arrangements for various instruments including percussion. The course will also cover jazz chords, modes, and song structure while the student will be incorporating these skills directly in the studio.

**Prerequisite:** MUTH 100 (Offered spring semester.)

**MUTH 230 Introduction to Composition** **Two Credits**

This course is designed to introduce students to the basic principles of various aspects of music composition. Time will be spent on traditional music forms as well as the creation of chord progressions and melodies of various styles.

**Prerequisite:** MUTH203. (Offered spring semester.)

**MUTH 305 Pop Theory/Song Writing I** **Two Credits**

Students will establish a thorough understanding of the theory and structures of popular contemporary music. Written assignments will include arranging current popular tunes and writing original material to be performed by various on-campus ensembles.

**Prerequisite:** MUTH 104 and 104E. (Offered fall semester.)

**MUTH 306 Pop Theory/Song Writing II** **Two Credits**

A continuation in study of MUTH 305.

**Prerequisite:** MUTH 305. (Offered spring semester.)

**MUTH 320 Orchestration and Arranging** **Two Credits**

This course focuses on instruments of the orchestra and their usages in various types of instrumental ensembles. The primary emphasis of this course is upon the development of practical orchestration skills, such as scoring, transcribing, and arranging. Some original compositional activities will be included, as well as score and part preparation and reading.

**Prerequisite:** MUTH 204. (Offered spring semester.)

**MUTH 330 Form and Analysis** **Two Credits**

This course applies the previous four semesters of music theory to works of major composers from the Common Practice era to the present. Listening and writing skills are developed through assignments designed for micro and macro analysis.

**Prerequisite:** MUTH204. (Offered spring semester.)

**ORGANIZATIONAL LEADERSHIP (OL)****OL 301 Dynamics of Group Behavior** **Three Credits**

Students examine group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on the principles of group dynamics, problem solving and decision making, the diagnosis and resolution of conflict.

**OL 302 Adult Development and Aging** **Three Credits**

Students evaluate their own lives from the perspective of adult development theory through discovering the opportunities and challenges that typically characterize development during the adult years.

**OL 303 Introduction to Research Methodology** **Three Credits**

Students learn the purpose and value of research as a problem solving tool in organizations. Approaches for identifying, analyzing, and studying organizational problems are emphasized as students select and analyze an appropriate organizational problem for their applied research project.

**OL 305 Managing Interpersonal Communication** **Three Credits**

Students assess and improve their communication skills in order to be more productive in various organizational settings. Key concepts include conflict management, constructive feedback, active listening, power, mentoring, and dysfunctional communication.

**OL 306 World-View: Faith And Vocation** **Three Credits**

Students gain understanding of the integration of the Christian world-view in contemporary life and work.

**OL 307 Introduction to Data Analysis** **Three Credits**

Students explore how data analysis contributes to making decisions and solving organizational problems. Basic methods of summarizing, analyzing, and presenting research data are explained.

**OL 308 Organizational Communication** **Three Credits**

Students refine both written and oral presentation skills. Presenting ideas, reports, and proposals clearly and concisely are the primary goals of this course.

**OL 309 Principles of Leadership** **Three Credits**

Students will examine models of leadership, focusing on the importance of strategic thinking, managing change, and assessment of leadership behaviors and managerial style so as to develop a personal growth plan for improving leadership performance.

**OL 310 Cultural Influences In The Workplace** **Three Credits**

Students consider the relationships between culture and the world of work. They discover how the environment, especially the workplace, has been shaped by the value and life experiences of various ethnic and racial groups.

**OL 311 Values and Ethical Decision Making** **Three Credits**

Students discuss ethical theory and social and personal values as they relate to problem solving and decision making.

**OL 312 Research Writing Strategies** **Three Credits**

Students deal with the principles of writing based on analytical and formal research, including form and style, organization, and literature review. Inductive analysis, research, and documentation are emphasized while laying the groundwork for the writing requirements in remaining courses.

**OL 401 Applied Research Project: Part I** **One Credit**

Students describe the purpose, setting, history, scope, and importance of their applied research topic. (Independent Study)

**OL 402 Applied Research Project: Part II** **Two Credits**

Students write a review of the literature using primary sources of information in the social sciences. (Independent Study)

**OL 403 Applied Research Project: Part III** **Two Credits**

Students report their research results, draw conclusions, and make recommendations for organizational change. Includes formal presentation of their final Applied Research Project. (Independent Study)

**PHILOSOPHY (PHL)****PHL 201 Major Issues in Philosophy** **Three Credits**

A general philosophy course, organized in terms of issues rather than the history of ideas. Subjects include how individuals know, the nature of personality, making ethical decisions, the philosophy of art and beauty, and the philosophy of science. Meets the general education philosophy requirement. (Offered every semester.)

**PHL 250 History of Philosophy I****Three Credits**

Major thinkers and themes of philosophical thought from Thales in the sixth century B.C.E., to the late fifteenth century medieval scholastics will be studied. Special attention will be given to the thought of Plato, Aristotle, Augustine and Thomas Aquinas and how these thinkers approached metaphysical, ontological, and ethical problems. Meets the general education philosophy requirement. (Offered fall semester.)

**PHL 251 History of Philosophy II****Three Credits**

Major thinkers and themes of philosophical thought from Bacon through the twentieth century will be studied. Special attention will be given to epistemology and metaphysics. The perspectives of rationalism, empiricism, transcendental idealism, existentialism, and twentieth century analytical thought will play a key role through this course. Meets the general education philosophy requirement. (Offered spring semester.)

**PHL 270 Philosophy of Science****Three Credits**

An examination of the role and limits of science with special attention to the necessary role of philosophy in any scientific enterprise. Topics discussed include Kuhnian, Popperian, and verificationist approaches to science. Particular attention will be paid to the role of explanatory theories, causal laws, epistemology, and the questions that science raises for Christian belief.

**Prerequisite:** PHL 201, 250, or 251. (Offered spring semester of odd calendar years.)

**PHL 280 Introduction to Logic****Three Credits**

Designed to enable one to think critically. Focused primarily on formal and informal logic, including formal syllogisms, Venn diagrams, truth-function tables, informal fallacies, and predicate logic.

**Prerequisite:** PHL 201, 250 or 251. (Offered fall semester of even calendar years.)

**PHL 310 Philosophy of Religion****Three Credits (WI)**

A philosophical approach to and analysis of the basic concepts of religion, together with its implications for theism and Christianity. Meets the general education writing intensive requirement.

**Prerequisite:** PHL 201, 250, or 251. (Offered fall semester.)

**PHL 311 History of Political Philosophy****Three Credits**

Concerns political ideas from Plato to the present, analyzed from the perspective of the Judeo-Christian-Classical tradition. Cross listed with POL 311.

**Prerequisite:** PHL 201, 250 or 251. (Offered fall semester of odd calendar years.)

**PHL 330 Ethics****Three Credits (WI)**

An analysis of personal and social ethics, with particular attention to the problems of Christian ethics in contemporary society. Criteria for ethical judgments will be examined and an attempt made to establish certain theological norms that ought to be met in Christian ethics. Meets the general education writing intensive requirement.

**Prerequisite:** PHL 201, 250 or 251. (Offered spring semester.)

**PHL 354 World Religions****Three Credits (CC)**

Students will study nine of the great religious traditions of the world descriptively. Students will engage in a comparative study of these traditions with an emphasis upon the unique characteristics of Christianity. Cross listed with REL 354. Meets the general education cross cultural requirement.

**Prerequisite:** COR 102 or 301. (Offered fall semester.)

**PHL 470 Metaphysics Seminar****Three Credits (WI)**

An introduction to the critical issues in metaphysics including the mind-body problem, the nature of freedom, the divine attributes, and the possibility of God's foreknowledge. Meets the general education writing intensive requirement.

**Prerequisite:** Any PHL course. (Offered irregularly.)

**PHL 395/405 Internship****Variable Credit**

This course will be completed for a letter grade.

<b>PHL 389 Junior Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>PHL 489 Departmental Honors Research</b>	<b>Variable Zero to Two Credits</b>
<b>PHL 490 Departmental Honors Thesis</b>	<b>Variable Zero to Two Credits</b>
<b>PHL 199, 399 Open Titled Course</b>	<b>One to Four Credits</b>

## PHYSICS (PHY)

### **PHY 102 Energy and the Environment** **Three or Four Credits**

Principles and ideas from elementary science are applied to the broad topics of energy, pollution, and transportation. The student should gain an awareness of some of the major environmental problems and develop a basis for understanding the complexity of the problems. Introductory physical processes are introduced so that this course not only counts toward a graduation science requirement, but also serves as a foundation for other science courses. Meets the general education laboratory or non-laboratory science requirement. (Three hours lecture and optional two hours lab each week. Students enrolling in and successfully completing the lab portion of this class will receive four credits; students not enrolled in the lab will receive three credits for the class. To take the lab, students must be concurrently enrolled in the lecture part of the class.) (Offered spring semester.)

### **PHY 105 Planets and Stars** **Three Credits**

A wealth of information has been collected on our Sun and Solar System, surprising us with the richness and variety of geological environments scattered among the planets and their moons. In-depth studies of our Sun reveal a dynamic cauldron of hot plasma that in many ways astronomers are just beginning to understand. In exploring questions about lifecycles of our Sun and Planetary System, students will gain an awareness of both the power and limitations of scientific inquiry. In the laboratory section of this course, students will be introduced to night sky observing, becoming familiar with star maps, the constellations, and basic telescope operation. Meets the general education laboratory science requirement. (Two hours of lecture and two hours of evening lab each week.) (Offered every semester.)

### **PHY 110 Light, Sound, and Motion** **Four Credits**

This course is designed to provide digital media majors with an accurate conceptual framework for understanding the underlying physical principles governing the behavior of moving objects and the phenomena associated with light and sound waves. Topics will include the kinematics of motion, Newton's laws of motion, energy and momentum and wave mechanics and interference effects of light and sound. Applications involving acoustic and optical technology are presented. This course will not fulfill requirements for pre-professional science programs, chemistry, or physics majors. (Three hours lecture and three hours laboratory per week.) Cross listed with DM 110.

**Prerequisite:** MTH 106 or two years of high school algebra. (Offered fall semester of odd calendar years.)

### **PHY 120 University Physics I** **Four Credits**

A calculus-based introductory physics course that covers kinematics and Newton's laws of motion; conservation laws for momentum, energy, and angular momentum; torques and static equilibrium; simple harmonic motion. (Three hours lecture, two hours of lab and one hour of tutorial per week.)

**Prerequisite:** High school physics or PHY 102, and high school mathematics through calculus or currently enrolled in MTH 115. (Offered fall semester.)

### **PHY 192 Electronics** **Four Credits**

The student is introduced to the basic characteristics of electronic devices that can be used for simple circuits which become the building blocks for more complex equipment. Topics include DC and AC circuits, transistors and amplifiers. Power supplies and digital logic circuits, both foundational to state-of-the-art electronics, will also be explored. This course should be beneficial to students in communication, digital media, and the sciences. (Three hours lecture and three hours lab per week.)

**Prerequisite:** MTH 111. (Offered spring semester of odd calendar years.)

**PHY 210 University Physics II** **Four Credits**

Continuation of PHY 120 covering electric fields and forces, electric potential, resistors, capacitors and DC circuits; magnetic fields and forces, electromagnetic induction and inductors, electromagnetic waves and Maxwell's equations; and geometrical and physical optics. (Three hours lecture, two hours of lab and one hour of tutorial per week.)

**Prerequisite:** PHY 120 or equivalent, MTH 115 or equivalent. (Offered spring semester.)

**PHY 220 University Physics III** **Four Credits**

The third semester of the introductory physics sequence as required by physics and pre-engineering majors. Topics covered include rotational motion and rigid-body motion; mechanical waves, sound waves and acoustical phenomena; statistical mechanics; AC circuits; special relativity; and interference and diffraction of light. (Three hours lecture, two hours of lab and one hour of tutorial per week.)

**Prerequisite:** PHY 210 or equivalent, MTH 115. (Offered fall semester.)

**PHY 311 Electricity and Magnetism** **Four Credits**

An intermediate course that is basic for graduate work in physics. Topics covered include direct and alternating current circuits, static electric and magnetic fields, and Maxwell's equations. (Three hours lecture and three hours lab per week.)

**Prerequisite:** PHY 220, MTH 217, 218. (Offered fall semester of even calendar years.)

**PHY 318 Theoretical Mechanics** **Four Credits**

The motion of a particle and a system of particles as described by Newtonian mechanics are studied. Vector algebra and vector calculus are used. Velocity dependent forces, central forces, oscillatory motion, rigid body motion, and moving coordinate frames are typical topics.

**Prerequisite:** PHY 220, MTH 217, 218. (Offered spring semester.)

**PHY 321 Thermodynamics** **Four Credits**

Equilibrium thermodynamics, the first law, equations of state, changes of state, the second law, criteria for spontaneity, electrochemistry, and applications to chemical and physical systems. (Three hours lecture and three hours lab per week.) Cross listed with CHM 321 Physical Chemistry.

**Prerequisite:** CHM 112, MTH 217. (Offered fall semester of even calendar years.)

**PHY 322 Modern Physics** **Four Credits**

In this course a quantitative understanding of atomic, molecular, and nuclear physics is presented through the applications of introductory quantum mechanics. The course is valuable to both physics majors and chemistry students who need a background in quantum mechanics. (Three hours lecture and three hours lab per week.) Cross listed with CHM 322 Physical Chemistry.

**Prerequisite:** PHY 220, MTH 217, 218. (Offered fall semester of odd calendar years.)

**PHY 342 Instrumental Analysis** **Four Credits**

This course covers the major types of instrumentation utilized in chemistry, biology, and physics by providing "hands-on" experience as well as emphasizing the underlying principles. (Three hours lecture and three hours lab per week.) Cross listed with BIO 341/CHM 342.

**Prerequisite:** CHM 112 and PHY 120. CHM 201 recommended. (Offered spring semester of odd calendar years.)

**PHY 350 Science Curriculum Projects** **Two Credits**

This course will explore current trends and issues in science curriculum, development, and evaluation of science curriculum, and construction and use of science equipment. Students will consider the "big ideas" of science that should constitute a core curriculum. Cross listed with BIO 350/CHM 350.

**Prerequisite:** Admission to Teacher Education Program and junior status. (Offered spring semester of odd calendar years.)

**PHY 400, 401 Senior Physics** **Four Credits Each**

This is an independent study of theoretical physics at an advanced undergraduate level. Students will meet with the professor for guidance and discussion at regularly appointed times. This course is designed to allow students to choose the area of advanced study most relevant to their educational

goals. Any student planning to apply to a graduate program in physics is strongly advised to take two Senior Physics courses, one of which should focus on the study of advanced quantum mechanics. The second course should be an area of interest to the student. Standard topics for students continuing to graduate school include advanced optics, nuclear physics, particle physics and solid state (condensed matter) physics. Students interested in engineering graduate school might consider further study in the area of Advanced Mechanics. Students may choose an area of interest other than those listed above, provided it is approved by their advisor and the course instructor.

**Prerequisite:** Core curriculum through PHY 322. (Offered fall and spring semesters respectively.)

**PHY 402, 403 Senior Physics Laboratory**

**Two Credits Each**

This is an independent laboratory course in which the students will engage in laboratory study of a research nature. This will require six to eight hours in the laboratory each week. Those preparing to teach learn how to design, construct, and repair scientific apparatus. They will also learn techniques associated with the operation of a school laboratory.

**Prerequisite:** Core curriculum through PHY 322. (Offered fall and spring semesters respectively.)

**PHY 395/405 Practicum**

**Variable Credit**

This course is for all physics students completing a BS degree. The student is given an opportunity to apply his/her physics training by working in business, industry, or in a research laboratory. For students who plan to attend graduate school, an on-campus practicum experience will be provided. The practicum will be taken for pass/fail credit unless the student formally requests a letter grade before attempting the practicum.

**PHY 409 Seminar in Physics**

**Two Credit (WI)**

Students present oral and written reports and discuss topics dealing with the history and philosophy of science. This course is to be taken by all physics majors in either the junior or senior year. Meets the general education writing intensive requirement.

**Prerequisite:** Attainment of junior standing. (Offered every spring.)

**PHY 389 Junior Departmental Honors Research**

**Variable Zero to Two Credits**

**PHY 489 Departmental Honors Research**

**Variable Zero to Two Credits**

**PHY 490 Departmental Honors Thesis**

**Variable Zero to Two Credits**

**PHY 199, 399 Open Titled Course**

**One to Four Credits**

**POLITICAL SCIENCE (POL)**

**POL 120/320 Current Events**

**Three Credits**

This course is intended to make students into better citizens both by introducing them to current world and national political events, discussing these issues, and giving students the tools to remain informed about such issues. (Offered spring semester of odd calendar years.)

**POL 210 American Government**

**Three Credits**

Examines structures, functions, and policies of the national government. (Offered spring semester.)

**POL 310 The U.S. Constitution**

**Three Credits**

An introduction to the philosophical, social, historical, and legal aspects of the U.S. Constitution through case study to prepare students for political/legal research on contemporary issues.

**Prerequisite:** POL 210, should be taken concurrently with HST 201. (Offered fall semester of even calendar years.)

**POL 311 History of Political Thought** **Three Credits**  
 Concerns political ideas from Plato to the present, analyzed from the perspective of the Judeo-Christian-Classical tradition. Cross listed with PHL 311.

**Prerequisite:** PHL 201, 250 or 251. (Offered fall semester of odd calendar years.)

**POL 313 International Relations** **Three Credits**  
 A study of the foreign policy of the United States from Teddy Roosevelt to George W. Bush.

**Prerequisite:** HST 201. (Offered spring semester of even calendar years.)

**POL 320 Current Events (see POL 120/320)**

**POL 340 Civil Rights and Liberties** **Three Credits**  
 The United States Constitution. Does a more revered political document exist in the world today?

The fundamental elements of this country's existence spring from is simply written, yet difficulty understood, pages. Throughout this course we will study the historical context of the Constitution, the powers bestowed by it to the different branches of our government, the powers bestowed by it to the people, and the Supreme Court's continued review and interpretation of this beloved documents. (Offered fall semester of odd calendar years.)

**POL 350 Readings in Government** **One to Two Credits**

Selected readings chosen by student and instructor.

**Prerequisite:** Permission of instructor. (Offered every semester.)

**POL 390 Readings in Political Science** **One to Three Credits**

Selected readings chosen by student and instructor.

**Prerequisite:** Permission of instructor. (Offered every semester.)

**POL 199, 399 Open Titled Course** **One to Four Credits**

## PSYCHOLOGY (PSY)

**PSY 101 General Psychology** **Three Credits**

This course introduces psychology as a science and emphasizes the interaction of social, cognitive, emotional, motivational, and organizational approaches to understanding human behavior. All students participate in a service learning experience in which they apply course concepts in real world situations and organizations. Discussions within this class include Christian perspectives on current issues in human behavior, cognition, and motivation. Meets the general education psychology requirement. (Offered every semester.) (A section of PSY101 H Honors: General Psychology is offered fall semester in odd calendar years for members of the Honors Program.)

**PSY 202 Statistics** **Three Credits**

A study of basic concepts and operations in descriptive and inferential statistics. The areas of study will include graphic representations, measures of central tendency and dispersion, probability theory, and various significant tests of relationship, including measures of association, correlation, linear relationship, and means tests. This course includes an introduction to multivariate and non-parametric statistics. Cross listed with SOC 202. Meets Quantitative Reasoning requirement. (Offered every semester.)

**PSY 205 Child Development** **Three Credits**

This course examines human life from the prenatal period to adolescence. Theoretical and empirical investigations explore the process of development and the influences of parenting, peer group, environmental enrichment or impoverishment, and culturally shaped social resources. Meets the general education psychology requirement for education majors.

**Prerequisite:** PSY 101. (Offered every spring semester.)

**PSY 206 Adolescent Development** **Three Credits**

The transitional years of human development from puberty to early adulthood form the focus of this course. Emphasis is placed upon the developmental tasks and choices through which adolescents develop mastery and a sense of self-competence. Meets the general education psychology requirement for education majors.

**Prerequisite:** PSY 101 or 220 or admittance into the Teacher Education program. (Offered every semester.)

**PSY 210 Experimental Psychology** **Three Credits**

Research methods used in psychological experimentation are introduced in this course. Students conduct psychological experiments individually and in groups. Students learn to use the Statistical Package for Social Sciences (SPSS) and gain valuable writing and presentation skills that enable them to document and share the outcomes of psychological experiments.

**Prerequisite:** PSY 101 and 202. (Offered spring semester.)

**PSY 212 Developmental Psychology** **Three Credits**

This lifespan development course examines human growth and development from prenatal life through old age. Advances in research illumine the intellectual, emotional, social, moral, and religious developmental processes in persons across cultures and socio-economic strata. Group presentations as well as written reflections and reading reports assess student mastery of this course.

**Prerequisite:** PSY 101. (Offered spring semester.)

**PSY 220 Psychology for Living** **Three Credits**

This course provides an introduction to applied psychology. Topics of study include personality, self-concept, stress, coping, adjustment/adaptation, gender and socialization, psychopathology, and interventions to promote psychological health. Discussions in this course integrate Christian/religious approaches to spirituality and coping along with psychological concepts. Meets the general education psychology requirement. (Offered fall semester.)

**PSY 240 Organizational Psychology** **Three Credits**

This course examines leadership and group behavior in organizational settings. Featured topics include group development, group dynamics, the impact of leadership upon morale, executive decision making, leadership skills and styles, and the use of power within organizational settings. Cross listed with MGT 240.

**Prerequisite:** PSY 101. (Offered fall semester of odd calendar years.)

**PSY 300 Group Dynamics** **Three Credits**

The social psychological dynamics of small groups are examined in this course. Both theoretical and experiential components of group process are integrated into course content that includes group formation, intra- and inter-group conflict, and group structure. (Offered fall semester.)

**PSY 304 Social Psychology** **Three Credits**

This course examines the social and psychological factors involved in attitude formation, anger, frustration, and prejudice. The social organization of groups, the development of values, the motivational changes brought about by cultural, and familial rituals are examined. In this course students learn through field observation, social psychological inquiry through empirical investigations, and public service involvement. Cross listed with SOC 304

**Prerequisite:** PSY 101 or SOC 101 (Offered fall semester.)

**PSY 305 Psychology of Religion** **Three Credits**

Major theories, concepts, issues, and research methodologies in the study of the psychology of religion are examined in this course. Classic and contemporary views of religious experience are examined as well as the relationship between current psychodynamic theories and the experience of faith. (Offered fall semester of even calendar years.)

**PSY 310 Psychology of Personality** **Three Credits**

Theories of personality form the perspectives through which students explore their own nature as a human being. Each major theory is examined in terms of its philosophical assumptions, major concepts, research regarding its validity, and resulting therapies. Recent neuropsychological

evidence regarding the formation of the core self, the function of the autobiographical self, and the capacity for moral choice are included in the curriculum. Students experience theories and therapies through the roles of client and therapist through live-vignette work in the classroom.

**Prerequisite:** PSY 101. (Offered fall semester.)

### **PSY 315 Introduction to Counseling**

**Three Credits**

Current theories of psychological counseling and the techniques commonly used in therapies are the focus of this course. Role-play with peers allows students the opportunity to practice counseling skills and develop a personal counseling style. Special emphasis is given to examining how faith and values influence the theory and practice of counseling.

**Prerequisite:** PSY 304 or 310 or permission of the instructor. (Offered spring semester.)

### **PSY 330 Motivation and Emotion**

**Three Credits**

Theoretical and empirical findings in the fields of motivation and emotion are integrated with recent physiological findings in this course. The psychological and physiological processes involved in sleep, hunger, thirst, arousal, hormonal balance, and response to stressful conditions are included in the curriculum. Students track their own daily cycles of wakefulness, rest, nutritional balance, activity, and felt sense of accomplishment. Research projects focus upon each student's motivational preference and style of achievement.

**Prerequisite:** PSY 210 or permission of the instructor. (Offered fall semester.)

### **PSY 332 Consumer Behavior**

**Three Credits**

Theoretical perspectives covered in this course include psychology, anthropology, economics, marketing, and sociology. The student examines how consumers move through decision processes from awareness to trial and brand loyalty. The course emphasizes the forming of a marketing plan that facilitates successful initial trial and result in brand loyalty. This course is open to advanced students in management and marketing as well as psychology. Cross listed with MKT 332.

**Prerequisite:** This course is open to advanced students in management and marketing as well as psychology. (Offered fall semester of odd years.)

### **PSY 350 Psychological Systems**

**Three Credits (WI)**

Models of inquiry are traced from the origins of psychology in western philosophy to its present position among the sciences. Students learn through presentations and interactive assessment techniques. Students are encouraged to develop verbal fluency with concepts and their knowledge of contributors in fields of psychology. Meets the general education writing intensive requirement.

**Prerequisite:** Upper division psychology majors only. (Offered fall semester.)

### **PSY 360 Introduction to Psychopathology**

**Three Credits**

This course provides an introduction to abnormal behavior and addresses the different perspectives on what constitutes 'abnormality.' A vulnerability-stress-coping model of maladaptive behavior is emphasized within the course text and in class discussions. Causes, developmental courses, treatments, and outcomes of the major categories of mental disorders are studied from epidemiological, clinical, and phenomenological perspectives. This course typically includes involvement with community based mental health programs.

**Prerequisite:** PSY 310 or permission of instructor. (Offered spring semester.)

### **PSY 370 Learning and Cognition**

**Three Credits**

Cognitive processing, working memory, long term memory, encoding, retrieval, and schema theory are the focus of this course. Classical and operant conditioning, shaping, and extinction are studied in the context of their current uses in facilitating improved cognitive performance. Students are encouraged to identify and explore their own preferred learning style as well as to improve their cognitive processing through class based exercises.

**Prerequisite:** PSY 210 or permission of instructor. (Offered spring semester.)

### **PSY 395/405 Practicum**

**One to Four Credits (per semester)**

In fields of psychology, undergraduate practicum courses provide students with an exposure to the contexts and organizations in which psychological services are offered to the public. Behavioral health facilities, county mental health agencies, substance abuse treatment facilities, shelters, teen centers, and early childhood intervention units are among the facilities selected by psychology

students. Forty hours of practicum service are required for each hour of credit received. This course may be taken in two separate semesters. This course will be completed for a letter grade.

**Prerequisite:** Completed 20 hours of psychology, and approval of department chair.

**PSY 410 Physiological Psychology**

**Three Credits**

Students are introduced to neuropsychological processes within the areas of psychopharmacology, vision, audition, olfaction, movement, learning, depressive and anxiety disorders, schizophrenia, and substance abuse. Interactive assessment techniques provide students with ways to incorporate what they learn into their existing knowledge in the field of psychology. Meets the general education non-lab Biology course requirement.

**Prerequisite:** PSY 202, 210, BIO 245 or equivalent Math/Science courses, or permission of the instructor. (Offered spring semester.)

**PSY 485 Seminar**

**Three Credits**

This interactive course explores moral and ethical issues commonly faced by psychologists. Students develop personal vocational mission statements, present their portfolios, and prepare for job interviews and/or graduate school admissions interviews. Working in teams of two or three, students prepare and present an educational workshop for a target audience within the campus and community on a topic of their choice. (Offered spring semester.)

**PSY 389 Junior Departmental Honors Research**

**Variable Zero to Two Credits**

**PSY 489 Departmental Honors Research**

**Variable Zero to Two Credits**

**PSY 490 Departmental Honors Thesis**

**Variable Zero to Two Credits**

**PSY 199, 399 Open Titled Course**

**One to Four Credits**

**RELIGION (REL)**

**REL 111 Ministry Seminar**

**Half Credit**

(Offered every semester.)

**REL 112 Spiritual Formation and Leadership**

**One Credit**

This course is designed primarily for current Resident Chaplains (although it is open to any interested student) and offers practical instruction and experience in areas pertaining to spiritual leadership within the residence halls/houses. Along with an emphasis upon one's own personal spiritual formation, students will develop a spiritual formation plan for their floor/house, and receive on-going instruction in spiritual leadership on campus. (Repeatable with a maximum of two credits.) (Resident Chaplains in this course will not pay for the course if it places the student above the band.) (Offered fall semester.)

**REL 180 Dynamics of Youth Ministry**

**Three Credits**

This course is a general overview of the varied topics within the field. The concept of relationship building will be emphasized and structured for the student to apply. (Offered fall semester.)

**REL 200 Orientation to Ministry**

**Three Credits**

The course exposes student to the biblical and theological foundations of ministry in the Wesleyan tradition. The ministry of Jesus and its classical interpretation are explored, with particular attention given to calling, character, and spiritual gifts. Students will also deal with current ministry-related issues. (Offered every semester.)

**REL 235 Ministry of Discipleship and Evangelism**

**Three Credits**

The course explores the meaning of evangelism and discipleship in a post-modern culture in order to assist students in developing an overall philosophy of ministry rather than learning any specific strategy or technique. A broader understanding of the nature and mission of the church prepares student to critically assess contemporary strategies and programs both locally and from a global perspective. (Offered fall semester.)

**REL 245 Jews, Christians, Muslims** **Three Credits**

A study of the history, culture, and texts of Jews, Christians, and Muslims based upon an examination of the significance of monotheism, Scripture, authority, ritual, family life, ethics, material culture, within each group. Observation of concepts and phenomena they share, as well as the ways they are distinguished for the purpose of understanding each group's origin, development, influence, and connection to civil/political orders. Cross listed with HST 245.

**Prerequisite:** COR 102 or 301 or Bible course or permission of instructor. (Offered spring semester of even calendar years.)

**REL 265 Homiletics** **Three Credits**

Analysis of the construction and delivery of sermons. For student and lay ministers. (Offered fall semester.)

**REL 266 Introduction to Worship** **Three Credits**

This course introduces students to the language and various elements of Christian worship and provides instruction in the theology and leadership of central liturgical events within the Christian community, including weddings, funerals, and the sacraments of baptism and the eucharist. (Offered spring semester.)

**REL 275 Free Methodist Polity and Doctrine** **Two Credits**

History, major beliefs, and administrative structure of the Free Methodist Church. Required of all ministerial students wishing to join an annual conference as a ministerial candidate. (Offered irregularly.)

**REL 280 Philosophy of Youth Ministry** **Three Credits**

This class will prepare students to discover their purpose for going into youth work. A solid foundational mission statement and the specific goals in which to accomplish their purpose will be emphasized. (Offered spring semester.)

**REL 285 Historic Methodism** **Two Credits**

Issues and developments in the origin and growth of world Methodism. Emphasis on the life and work of John Wesley and on the distinctive growth of American Methodism. (Offered irregularly.)

**REL 343 Western Christianity I** **Three Credits**

The systematic study of the development of Western Christendom from the First through the Fifteenth Centuries focusing on major themes, figures, actions, and impulses. The historical method of research will be employed as a means of helping students to gain a contextualized understanding and appreciation for the developing role of the church and its relationship to culture. A major emphasis will be placed on the reading of primary sources as a means for understanding the development of Christian theology. Cross listed with HST 343. (Offered fall semester.)

**REL 344 Western Christianity II** **Three Credits**

The systematic study of the development of Western Christendom from the Sixteenth through the Twentieth centuries focusing on major themes, figures, actions, and impulses. The historical method of research will be employed as a means of helping students to gain a contextualized understanding and appreciation for the developing role of the church and its relationship to culture. A major emphasis will be placed on the reading of primary sources as a means for understanding the development of Christian theology. Cross listed with HST 344. (Offered spring semester.)

**REL 345 History of Judaism** **Three Credits**

A study of the Jewish religion/culture that developed in the sixth century BCE and flourished in the Persian, Greek and Roman periods. Includes encounters with the rabbinic literature that began to be produced in the second century CE—the Midrashim, Mishnah, and Talmuds—and modern expressions of Judaism around the world. Cross listed with HST 345.

**Prerequisite:** COR 102 or 301 or permission of the instructor. (Offered spring semester.)

**REL 354 World Religions** **Three Credits (CC)**

Students will study nine of the great religious traditions of the world descriptively. Students will engage in a comparative study of these traditions with an emphasis upon the unique characteristics of Christianity. Cross listed with PHL 354. Meets the general education cross cultural requirement.

**Prerequisite:** COR 102 or 301. (Offered fall semester.)

**REL 361 The Church in the City** **Three Credits (CC)**

This course explores the biblical, theological, and sociological dimensions of the urban church. Themes discussed include: theology of church and kingdom, seeking the shalom of the city, ministry to the poor, and confronting the principalities and powers. This course includes field trips to the city. Meets the general education cross cultural requirement. (Offered Interterm.)

**REL 390 American Christianity** **Three Credits**

A phenomenological study of the interrelation of religion and culture in the American experience. Emphasis is placed on experiencing religion in American life through the reading and discussion of significant modern American literature. Attention is given to the nature and function of both religion and culture. (Offered irregularly.)

**REL 395/405 Internship** **Variable Credit**

Taken for two to nine credits, the internship provides on the job supervised ministry experience in a contest related to the student's major. Typically internship placements include: churches, Christian camps, urban ministries, or other mission agencies, and take place during the summer between the junior and senior year. This course will be completed for a letter grade.

**REL 451 Foundations of Christian Doctrine** **Three Credits**

An historical and philosophical study of the development of Christian theology over the centuries.

**Prerequisite:** Junior Standing, and COR 102 and 201, or COR 301. (Offered fall semester.)

**REL 452 Methods in Wesleyan Theology** **Three Credits**

Analysis of methodology in the development of certain historically important systems of Christian theology with a focus upon doing theology in the 21<sup>st</sup> century. A consideration of how the student may do theology today.

**Prerequisite:** REL 451. (Offered spring semester.)

**REL 389 Junior Departmental Honors Research** **Variable Zero to Two Credits****REL 489 Departmental Honors Research** **Variable Zero to Two Credits****REL 490 Departmental Honors Thesis** **Variable Zero to Two Credits****REL 199, 399 Open Titled Course** **One to Four Credits****SOCIOLOGY (SOC)****SOC 101 Principles of Sociology** **Three Credits**

A basic course introducing the student to the concepts, theories, and methods employed in an objective scientific analysis of society, culture, social institutions and organizations, social control, deviancy, and social factors involved in personality development. Meets the general education sociology requirement. (Offered every semester.)

**SOC 103 Social Problems** **Three Credits**

Expansion of awareness and knowledge of perceived social problems in American society. Problems studied include current social concerns such as alcoholism, drug addiction, mental illness, crime, violence, war, poverty, sexual deviancy, and population. Meets the general education sociology requirement. (Offered irregularly.)

**SOC 112 Introduction to Anthropology** **Three Credits (CC)**

The scientific study of humanity, human origins, fossil forms, and the evolution of material and non-material culture. Meets the general education cross cultural and sociology requirement.

**Prerequisite:** SOC 101 is recommended. (Offered spring semester.)

**SOC 202 Statistics** **Three Credits**

A study of basic concepts and operations in descriptive and inferential statistics. The areas of study will include graphic representations, measures of central tendency and dispersion, probability theory, and various significant tests of relationship, including measures of association, correlation, linear relationship, and means tests. This course includes an introduction to multivariate and non-parametric statistics. Cross listed with PSY 202. Meets Quantitative Reasoning requirement. (Offered every semester.)

**SOC 203 Introduction to Criminal Justice** **Three Credits**

An advanced survey course focusing on the description and interrelationships of the many agencies and institutions which comprise criminal justice; e., justice systems, law enforcement, corrections, etc. Agencies and institutions will be studied in their historical and social contexts, and will be further examined by way of major theories and models of criminal justice. The various professional implications of criminal justice will be examined. Cross listed with CRJ 201.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester.)

**SOC 210 Research Methods** **Three Credits**

A study of problem formulation, data collection, data analysis including descriptive and inferential statistical techniques, and research report writing. Includes two or more applied projects, usually in collaboration with the entire class or with a group, and the development of a publication ready research paper.

**Prerequisites:** SOC 101, 202 (may be taken concurrently). (Offered fall semester.)

**SOC 271 Professional Seminar I** **One Credit**

This course provides students with a seminar experience (typically a one-day retreat), and a small number of class sessions with individual appointments with the instructor, for the purpose of helping the student create the foundation for a successful professional future. Requirements include the completion of an updated resume, two professional interviews, attendance at a professional conference, service hours, and a student success plan, all included in a well-organized portfolio. Ideally this course should be taken during the fall semester of the sophomore or junior year. Cross listed with SWK 271, CRJ 271.

**Prerequisites:** SOC 101. (Offered fall semester.)

**SOC 301 Marriage and Family** **Three Credits**

A study of courtship, marriage, and family in its historical development and many contemporary forms. Emphasis is placed on factors providing stability or stress to modern courtships and marriages. A combination of theoretical perspectives are used (sociological, psychological, anthropological, theological), and several professional and practical issues (parenting, financial planning, communication, divorce, etc.) are examined.

**Prerequisites:** SOC 101,112, PSY 101, or SWK 205. (Offered spring semester.)

**SOC 302 Diversity Issues** **Three Credits (CC)**

The status of "minority group" is defined, and dominant-subdominant relationships in society are examined. The value and challenges of diversity in a pluralistic society are presented. An emphasis is placed on the social factors traditionally included under diversity (e.g. race, ethnicity, deviant lifestyles), and non-traditional factors (religion, social class, geographic setting, etc.). Techniques for resolving problems as well as patterns of adaptation are considered. Meets the general education cross cultural requirement. (Offered irregularly.)

**SOC 303 Crime and Social Deviancy** **Three Credits**

A social and social psychological approach to the study of disvalued persons and behavior. Theoretical approaches to causes and control of deviant behavior are studied with a major emphasis placed on crime and criminals.

**Prerequisite:** SOC 101 or consent of the instructor. (Offered irregularly.)

**SOC 304 Social Psychology** **Three Credits**

The study of social and psychological factors involved in motivation attitude formation, organization and change, the development of value systems and group norms, as evidenced in the process of interaction between the individual and the group.

**Prerequisite:** SOC 101 or PSY 101 - preferably both, or consent of instructor. (Offered fall semester.)

**SOC 309 Sociology of Wealth and Poverty** **Three Credits**

In this course, students will study and contrast the rich and the poor, the powerful and the powerless, the haves and the have-nots. More importantly, it asks important questions such as "Why does such inequality exist in every known society?" It then builds a frame of reference from which to view the social and personal meanings of structured, legitimized social inequality, and to explore Christian responses to injustice and inequity in the world.

**Prerequisite:** SOC 101 or consent of instructor. (Offered spring semester of even calendar years.)

**SOC 311 Sociology of Human Sexuality** **Three Credits**

This course examines theoretical and conceptual issues, empirical research, and social policies germane to human sexuality. Students should be aware that while this course may prompt them to think about their own sexuality more systematically, the course is not designed to be a "personal growth" experience. Instead, students should expect to approach sexuality more analytically and to develop a sociological and social psychological understanding of the diverse issues covered in this course.

**Prerequisites:** SOC 101 and 301 or permission of instructor. (Offered spring semester of even calendar years.)

**SOC 351 Juvenile Delinquency** **Three Credits**

A course designed to investigate delinquency, including juvenile deviancy and juvenile crime. Applicable theories and models of delinquency will be investigated, as will social construction of delinquency. The course is appropriate for students focusing on criminal justice generally, as well as social work. Professional implications will also be examined. Cross listed with CRJ 351, SWK 351.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester of odd calendar years.)

**SOC 360 Sociology of Cities** **Three Credits (CC)**

This course allows students to study the city as a unique form of social organization and as the highest and most complex product of human civilization. Students will learn about the historical development of cities in global perspective, about the current state of urban affairs, and about the complex interdependencies of ecological, economic, and social systems. One field trip to a nearby city will allow students to see urban systems in action. Meets the general education cross cultural requirement.

**Prerequisite:** SOC 101,112, PSY 101, or SWK 205. (Offered spring semester every three years.)

**SOC 361 Policies and Agencies** **Three Credits**

The study of a variety of social organizations and of the policies enacted or pursued related to mission, structure, and social-political environments. Governmental and non-governmental agencies in the areas of social work and criminal justice will be included. Using organizational theory and real-life models, students will engage in institutional problem-solving exercises. Cross listed with CRJ 361 and SWK 361.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester of odd calendar years.)

**SOC 365 Social Organization** **Three Credits**

A study of the types of organizational patterns occurring in Western Society, their origin, functions, and structure. The place of the individual in an impersonal organizational system is examined.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester of odd calendar years.)

**SOC 371 Professional Seminar II** **One Credit**

This course begins with requirements similar to those in SOC 271, but assignments are at a higher stage of development. Additionally, each student is required to produce one of two professional products. One option would be to write an academic paper which will be submitted to a journal or professional organization, and the other would be to complete an applied leadership project which

demonstrates significant and innovative leadership with a campus or community organization, including the implementation and presentation of a successful applied idea, innovation, or intervention, tailor-made to that organization. Typically taken during the fall semester of the junior or senior year. Cross listed with SWK 371, CRJ 371.

**Prerequisite:** SOC 271. (Offered fall semester.)

**SOC 380 Social Theory**

**Three Credits (WI)**

The development of major schools of social thought, major social theorists and their distinctive contributions to the understanding of society, culture, and modernity, are considered and analyzed. Requires three or four major papers which focus, respectively, on social philosophers of antiquity, the major founders of sociological theory, modern social theories and theoretical trends, and everyday applications of social theory. Also covers how to write a “literature review” for a research paper. Meets the general education writing intensive requirement.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester.)

**SOC 381 Social Context for Community Development**

**Three Credits**

The different bases for healthy communities are explored, with emphasis on anthropological, sociological, and biblical models of community. This will include how to revitalize communities which suffer from various problems with complex social causes, such as those with high rates of poverty, unemployment, illiteracy, criminal activity, welfare dependency or social service delivery, spiritual apathy, and even war and refugeeism. A practical emphasis on community-building programs, policies, or advocacy is included. Key field trip experiences will link class participants with practitioners in the field. (Offered spring semester of even calendar years.)

**SOC 385 Sociology of Religion**

**Three Credits**

Students will learn about a variety of American and international religions and religious movements, and how these are shaped by culture. Students will contrast the theoretical perspectives of Durkheim, Weber, Marx, and the social constructionists, and will study the reciprocal influence of religion and culture, or stated differently, the influence of religion and societal structures on each other. Students will also be challenged to examine the cultural underpinnings of their own faith.

**Prerequisite:** SOC 101,112, PSY 101, or SWK 205. (Offered irregularly.)

**SOC 390 Individual Readings**

**One to Three Credits**

Selected readings in an area not covered by course offerings, often in the general topic area of the chosen senior project. Annotated bibliography, reading notes, and a comprehensive research are paper required. Cross listed with CRJ 390 and SWK 390.

**Prerequisite:** Completion of or concurrent enrollment in SOC 471.

**SOC 395/405 Practicum**

**Variable Credit**

Each student must successfully complete one or more practicum experiences, totaling at least three hours of academic credit, where 40 clock hours on location equals one hour of credit. Ideally, each practicum should be based at a community organization such as a government office, business, school, church, health clinic, etc., which specializes in supervision or human services. Ideally, an on-site supervisor with a graduate degree will supervise the student’s practicum. This course will be completed for a letter grade.

**Prerequisites:** SOC 101, 202, 210, 380, and upper division status.

**SOC 471 Professional Seminar III**

**Two Credits**

This course provides students with a capstone experience in the department, and links all academic and extra-curricular experiences at Greenville College with the students’ occupational and service-oriented future. Requirements include updating the academic portfolio, including academic resumes, and completion of an oral exam and research-based senior project. The senior project includes a paper and a publicized oral report. Must be completed during the spring semester of the senior year. Cross listed with CRJ 371 and SWK 371.

**Prerequisites:** SOC 101, 202, 210, 271, 371. (Offered spring semester.)

**SOC 389 Junior Departmental Honors Research**

**Variable Zero to Two Credits**

**SOC 489 Departmental Honors Research**

**Variable Zero to Two Credits**

**SOC 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**SOC 199, 399 Open Titled Course** **One to Four Credits**

## SPANISH (SPN)

**SPN 101, 102 Elementary Spanish I and II** **Three Credits Each**

Essentials of Spanish, oral and written: grammar, composition, conversation, and reading.

**Prerequisite:** SPN 101 must be taken before SPN 102. (Offered fall and spring semesters, respectively.)

**SPN 201 Intermediate Spanish** **Three Credits**

Conversation, readings, grammar review.

**Prerequisite:** SPN 102 or equivalent. (Offered fall semester.)

**SPN 220 Spoken Spanish** **Three Credits**

Practice in listening to spoken Spanish. Oral reports and informal conversation. Phonetics.

**Prerequisite:** SPN 201 or equivalent. (Offered spring semester.)

**SPN 281/381 La Casa de Español** **One or Two Credits**

Spanish House provides an immersion in a controlled academic on-campus context. Selected students sign a pledge to use only the Spanish language and must be currently enrolled in a Spanish class. The chief goals are to improve the speaking, writing, and verbal comprehension of students. Additionally students will increase their appreciation for the culture by participating in the cooking and eating of meals and other planned activities. Students enrolling at the 381 level must have successfully completed SPN 281. Requirement of Spanish major, Spanish education major: two semesters in the GC Spanish House, or one semester abroad in an approved program in a Spanish-speaking country. (Offered every semester.)

**SPN 310 Latinoamérica y Su Civilización** **Three Credits (CC)**

Emphasizes the forces that shaped and are now reshaping the region. Examines historical reasons for the present problems that trouble the area. Cross listed with HST 310. Meets the general education cross cultural requirement.

**Prerequisite:** SPN 201 or equivalent. (Offered fall semester.)

**SPN 320 España y Su Civilización** **Three Credits (CC)**

Discussion and reading in Spanish of history, literature, art, and customs. Meets the general education cross cultural requirement.

**Prerequisite:** SPN 201 or equivalent. (Offered in a three year rotation.)

**SPN 340 La Literatura Peninsular** **Three Credits**

An overview of peninsular literature from “el cantar de mio cid” to the present. Discussions are centered around the text (including novels, drama, and poetry) and literary critique in general.

**Prerequisite:** SPN 201 or equivalent. (Offered in a three year rotation.)

**SPN 355 Gramatica Avanzada y Composicion** **Three Credits**

This course is a high level course in which writing skills and correct grammar usage in Spanish are emphasized. Through a variety of written documents, students will focus on critical reading and the interpretation of texts, skills which will further help develop their ability to write correctly in Spanish. Students will acquire a better understanding of finer points of Spanish Grammar.

**Prerequisite:** SPN 201 or equivalent. (Offered in a three year rotation.)

**SPN 365 Espanol Hablado Avanzado** **Three Credits**

Intense practical use of spoken Spanish at an advance level, including formal presentations, translations, and debates. Focused work on phonetics and authentic language pronunciation is also important.

**Prerequisite:** SPN 220 or any 300 level course. (Offered in a three year rotation.)

**SPN 370 Literatura Latinoamericana** **Three Credits**  
 Study of the Hispanic novel through reading of selected novels.  
**Prerequisite:** 201 or equivalent. (Offered in a three year rotation.)

**SPN 381 La Casa de Español (see SPN 281/381)**

**SPN 395/405 Practicum** **Variable Credit**  
 The practicum will be taken for pass/fail credit unless the student formally requests a letter grade before attempting the practicum.

**SPN 389 Junior Departmental Honors Research** **Variable Zero to Two Credits**

**SPN 489 Departmental Honors Research** **Variable Zero to Two Credits**

**SPN 490 Departmental Honors Thesis** **Variable Zero to Two Credits**

**SPN 199, 399 Open Titled Course** **One to Four Credits**

**SOCIAL WORK (SWK)**

**SWK 205 Introduction to Social Work** **Three Credits**  
 The nature, functions, and values of social work are explored. Social work is presented as a problem solving process with wide applicability in the arena of human services; thus, social work is studied within a wide spectrum of situations and institutions.  
**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester.)

**SWK 271 Professional Seminar I** **One Credit**  
 This course provides students with a seminar experience (typically a one-day retreat), and a small number of class sessions with individual appointments with the instructor, for the purpose of helping the student create the foundation for a successful professional future. Requirements include the completion of an updated resume, two professional interviews, attendance at a professional conference, service hours, and a student success plan, all included in a well-organized portfolio. Ideally this course should be taken during the fall semester of the sophomore or junior year. Cross listed with SOC 271, CRJ 271.  
**Prerequisite:** SOC 101. (Offered fall semester.)

**SWK 305 Fields of Social Work** **Three Credits**  
 A course designed to develop the student's awareness of alternative methods of treatment available and to help the student develop the skills and techniques that are essential to professional competency in the "helping" processes.  
**Prerequisite:** SWK 205 and 208. (Offered spring semester every third year.)

**SWK 310 Social Work Practice** **Three Credits**  
 This course covers specific domains of generalist social work practice: exploring, assessing, and planning, the change oriented-phase, and the termination and evaluation phase. Students will have an opportunity to work with simulation cases throughout the entire cycle of interventions. Students will be exposed to different methodologies and interventions as they relate to specific populations (i.e. numerical minorities, homosexuals, etc.).  
**Prerequisites:** SWK 205 and PSY 212. (Offered spring semester every third year.)

**SWK 351 Juvenile Delinquency** **Three Credits**  
 A course designed to investigate delinquency, including juvenile deviancy and juvenile crime. Applicable theories and models of delinquency will be investigated, as will social construction of delinquency. The course is appropriate for students focusing on criminal justice generally, as well as social work. Professional implications will also be examined. Cross listed with CRJ 351, SOC 351.  
**Prerequisite:** SOC 101 or consent of instructor. (Offered spring semester of even calendar years.)

**SWK 361 Policies and Agencies****Three Credits**

The study of a variety of social organizations and of the policies enacted or pursued related to mission, structure, and social-political environments. Governmental and non-governmental agencies in the areas of social work and criminal justice will be included. Using organizational theory and real-life models, students will engage in institutional problem solving exercises. Cross listed with CRJ 361 and SOC 361.

**Prerequisite:** SOC 101 or consent of instructor. (Offered fall semester of odd calendar years.)

**SWK 365 Child Welfare****Three Credits**

This course introduces the student to the basic services available under the auspices of child welfare. The major emphasis is on services as offered within the United States; however, brief attention is given to a comparison with other countries. A historical overview of the field is also provided.

**Prerequisite:** SWK 205, 208. (Offered spring semester of odd calendar years.)

**SWK 371 Professional Seminar II****One Credit**

This course begins with requirements similar to those in SWK 271, but assignments are at a higher stage of development. Additionally, each student is required to produce one of two professional products. One option would be to write an academic paper which will be submitted to a journal or professional organization, and the other would be to complete an applied leadership project which demonstrates significant and innovative leadership with a campus or community organization, including the implementation and presentation of a successful applied idea, innovation, or intervention, tailor-made to that organization. Typically taken during the fall semester of the junior or senior year. Cross listed with SOC 371 and CRJ 371.

**Prerequisites:** SWK 271. (Offered fall semester.)

**SWK 390 Individual Readings****One to Three Credits**

Selected readings in an area not covered by course offerings, often in the general topic area of the chosen senior project. Annotated bibliography, reading notes, and a comprehensive research are paper required. Cross listed with CRJ 390 and SOC 390.

**Prerequisite:** Completion of or concurrent enrollment in SWK 471.

**SWK 395/405 Practicum****Variable Credit**

Each student must successfully complete one or more practicum experiences, totaling 8-12 hours of academic credit, where 40 clock hours on location equals on hour of credit. Ideally, each practicum should be based at a social work agency or similar organization such as a school, church, health clinic, etc., which specializes in human services. Ideally, an on-site supervisor with an MSW degree or LCSW license will supervise the student's practicum. This course will be completed for a letter grade.

**Prerequisites:** SOC 101, 202, 210, SWK 205, and upper division status.

**SWK 471 Professional Seminar III****Two Credits**

This course provides students with a capstone experience in the department, and links all academic and extra-curricular experiences at Greenville College with the students' occupational and service-oriented future. Requirements include updating the academic portfolio, including academic resumes, and completion of an oral exam and research-based senior project. The senior project includes a paper and a publicized oral report. Must be completed during the spring semester of the senior year. Cross listed with SOC 471 and CRJ 471.

**Prerequisites:** SOC 101, 202, 210. (Offered spring semester.)

**SWK 389 Junior Departmental Honors Research****Variable Zero to Two Credits****SWK 489 Departmental Honors Research****Variable Zero to Two Credits****SWK 490 Department Honors Thesis****Variable Zero to Two Credits****SWK 199, 399 Open Titled Course****One to Four Credits**