

# Course Descriptions

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# Appalachian Studies (APP)

**APP 215: Appalachian Music (3)** This course will be a survey of musical forms of the Southern Appalachian region including traditional spiritual and secular forms and newer musical styles. Both instrumental and vocal forms will be addressed. Students will have the opportunity to improve both musical knowledge and understanding.

**APP 230: Introduction to Appalachian Studies (3)** An interdisciplinary approach to the culture, history and society of the Appalachian region, the course will examine how the Southern mountains have come to be viewed as a distinct region and will examine Appalachia's place in American life.

**APP 235: Appalachian Women (3)** Women in Appalachia have drawn from traditional cultural values and generated innovative ideas in their roles within the home, the community and the world. Taking a multi-media approach, students will actively explore women's roles as artists, activists, and purveyors of cultural traditions. Literature, music and film serve as the foundation for providing students with a range of interpretations of women's historical and socio-economic impact on the Appalachian region.

**APP 288: Special Topics (3)** Topics determined by the program faculty and provided to enhance the student's educational experience. Permission of Dean required.

**APP 471: Internship in Appalachia (3)** This course will be a service-learning experience in the Appalachian region. This course may not be taken with any other internship. Prerequisite: Permission of Appalachian Studies Coordinator required.

**APP 488: Special Topics (3)** Topics determined by the program faculty and provided to enhance the student's educational experience. Permission of Dean required.

# Art and Design (ART)

**ART 121: Foundations of Design (3)** This studio course focuses on the foundations of 2-d and 3-d design. This course will lay the groundwork to prepare students for intermediate courses in the program. The emphasis will be on basic skills and techniques, craftsmanship, elements and principles of design, and creative processes. Additional fee required.

**ART 135: Renaissance through Impressionism (3)** This course is designed to explore art forms from the Renaissance period through Impressionism. Discussion will focus on distinctive styles, works of major artists, historical context and diversity. Information will be presented thematically based upon time period, specific art styles, and major achievements. Additional fee required. (WI)

**ART 141: Foundations of Drawing and Design (3)** In this course, students will develop the skill and discipline of seeing through the practice of observational drawing. Assignments address specific techniques and approaches to the medium, both historical and contemporary. Additional fee required. (F, S)

**ART 151: Photography (3)** This course is an introduction to photographic communication. Students learn to understand and manipulate the basic controls of the digital SLR camera, to process digital photographs using Photoshop and to utilize digital photography to communicate one's own ideas. Additional fee required (F, S)

**ART 161: Foundations of Painting (3)** This is a foundation course focusing on the methods of painting through individual exploration, craftsmanship and a variety of basic techniques of acrylic painting. Additional fee required. (S)

**ART 211: Sketchbooks: Research, Composition, and Creation (3)** This course focuses on artistic and scientific research as it applies to artistic creation. Emphasis will be on modern practices, sketchbook and journaling techniques, and the creation of works based upon research methods. This studio is conducted as a collaborative workshop. To reach our final outcome, we will have an ongoing exchange of ideas, questions, concerns and images to assist us in our goal. Additional fee required. (WI)

**ART 221: Intermediate Drawing and Design (3)** This course approaches drawing as a distinct medium rather than an approximation or study for further creative work. Applications of the medium will span traditional and non-traditional media and processes. Research skills and strategies will culminate in the production of a final series. Prerequisite: ART 141. Additional fee required. (S)

**ART 231: Art and Craft Design (3)** This course is designed to explore art and craft techniques cross-culturally and cross-historically through the exploration of various craft methods including non-western techniques and modern practices. Emphasis of this course will be on cultural awareness, diversity, historical perspectives and aesthetic sensitivity. Additional fee required. (F)

**ART 235: Women Artists (3)** This course is designed to explore western and non-western art forms made by women in various societies. Discussion will focus on gender in society, works of women artists, historical context and cultural diversity. Emphasis for the course will be on diversity, aesthetic sensitivity, gender and tolerance. (WI)

**ART 241: Art and Society (3)** This course is designed to explore western and non-western art forms from prehistoric cultures to the present day. Discussion will focus on distinctive styles, works of major artists, historical context, and cultural diversity. Information will be presented thematically based upon art and it's relation to life, self-identity, religion and society. Emphasis for the course will be on diversity, aesthetic sensitivity and tolerance.

**ART 250: Arts and Life (3)** Arts and Life is a course designed to demonstrate the healing capabilities of various art forms as a direct process in healing the whole person or a community of people.

**ART 261: Intermediate Painting (3)** This course is designed to explore intermediate painting techniques. Students will learn how to develop composition skills in their paintings, mix colors, form depth, and use shading to create density. Students will build their own canvas and learn how to prepare them. Students will work individually and collaboratively while receiving assistance and feedback to perfect the skills of working in the mediums of acrylic, oil or watercolor. Prerequisite: ART 141 and 161. Additional fee required. (F)

## **ART 288: Special Topics (2-4)**

**ART 301: Appalachian Photography (3)** This is an advanced course in photography in which the student further develops the skills learned in ART 151 Photography. Students will explore the Southern Appalachian Mountains through the medium of photography, shooting landscapes and portraits of local people, developing skill in macro photography, and documenting various arts, crafts, skills and social and environmental problems. Prerequisite: ART 151. Additional fee required. (Summer)

**ART 331: Mixed Media (3)** This is an intermediate/ advanced course focusing on the use of multiple mediums and techniques

that can be used within one piece, including transfer process, collage, wax, fibers and embellishment. Information will be presented thematically through a variety of topics. Emphasis for this course will be on exploration of mediums, craftsmanship, historical viewpoints, critical perspectives and advanced problem solving. Prerequisite: ART 141. Additional fee required. (S)

**ART 335: Contemporary Art History (3)** This course is designed to explore contemporary western and non-western art forms from the 20th and 21st Centuries. Discussion will focus on distinctive styles, works of major artists, historical context, society and cultural diversity. Information will be presented thematically. Emphasis for the course will be on major movements, historical achievements and connections in society.

**ART 388: Special Topics (2-4)**

**ART 431: Art on Paper (3)** This advanced studio course is designed to explore the multiplicity of art in relation to paper. Emphasis for this course will be on exploration of mediums, craftsmanship, critical perspectives and advanced problem solving. Prerequisite: Permission of instructor. Additional fee required. (F)

**ART 441: Advanced Graphic Design (3)** This is an advanced course that focuses on the visual arts and how they relate to graphic design, advertising and communication. Emphasis will include typography, layout, advanced color theory, craftsmanship and problem solving through the exploration of various themes. Prerequisites: COM 310. Additional fee required. (S)

**ART 461: Advanced Studio Design (3)** This advanced studio course is designed to explore the multiplicity of art creation from 2-D to 3-D. Emphasis for this course will be on exploration of mediums, development of a personal body of work, craftsmanship, critical perspectives and advanced problem solving. Prerequisites: Permission of instructor. Additional fee required. (S)

**ART 488: Special Topics (2-4)**

# Biology (BIO)

**BIO 101: Issues in Human Biology (3)** This course is an introduction to the major principles of human biology through the examination of selected current topics of interest and relevance to students' lives. Does not satisfy the Natural Science General Core Requirement for Biology majors. (F, S)

**BIO 102: Environmental Biology (3)** This course is an introduction to environmental science and biological diversity with examination of the relationship between human population growth, consumer life-style, resource depletion and environmental degradation. Emphasis on development of environmental awareness. (F, S)

**BIO 105: Medical Terminology (3)** This course will systematically introduce common words and phrases in health sciences, their meanings and their etymology. This course is particularly useful for students seeking careers in the health sciences. (F)

**BIO 113: Laboratory Investigations in Biology (3)** This course is designed to introduce the student to laboratory techniques in biology. Emphasis on experimental design, analysis and presentation of results. Recommended as a co-requisite with BIO 114 or BIO 115. An additional fee is required. (F, S) (WI)

**BIO 114: Introduction to Biology I (3)** This course introduces students wishing to major in the sciences or healthcare to important concepts governing cellular behaviors. Topics covered include biochemistry, cell biology and metabolism. (F, S)

**BIO 115: Introduction to Biology II (3)** A continuation of BIO 114, this course continues to explore how cells pass on their genetic material during growth and reproduction. Particular emphasis is placed on Mendelian genetics, heredity and the biochemistry of nucleic acids. Prerequisites: BIO 114. (F, S)

**BIO 121: Introduction to Ecology (3)** This course increases understanding of the natural world by introducing students to important concepts of ecology. (F)

**BIO 122: Introduction to Evolution (3)** This course increases understanding of the natural world by introducing students to important concepts of evolution. (S)

**BIO 155 Fundamentals of Human and Animal Relationships (3)** This course is designed to introduce students to an overview of issues related to human and animals in relationship to each other, historically and in present day societies.

**BIO 211: General Zoology (4)** This course is a survey of the animal kingdom. Distinctive phyla characteristics and comparison of the various phyla are stressed. (Laboratory) Prerequisite: Either the (BIO 114 and BIO 115 sequence) or (BIO 121 and CHM 101 or CHM111). An additional fee is required. (S)

**BIO 214: Microbiology for Nursing (3)** This course is an introduction to principles and applications of microbiology including systematics, metabolism, pathogenic mechanisms and industrial applications. Humoral and cell-mediated immune responses in humans are emphasized. An additional fee is required. Prerequisites: BIO 114 or BIO 115. (F)

**BIO 221: General Botany (4)** This is a survey course of the plant kingdom. Emphasis on life cycles, physiology, anatomy and ecology. (Laboratory) Prerequisite: Either the BIO 114 and BIO 115 sequence or BIO 121. An additional fee is required. (F)

**BIO 231: Introduction to Field Biology (4)** This is an introductory field course in wildlife biology. Different aspects of wildlife biology are examined through field exercises and observations. Prerequisites: BIO 121 and BIO 122. An additional fee is required. (F) (WI)

**BIO 271: Human Anatomy/Physiology I (4)** In this course students will examine the anatomical structure and physiological processes of the human organism. Some dissection required (non-cadaver). (Laboratory) Prerequisite: BIO 114. An additional fee is required. (F)

**BIO 272: Human Anatomy/Physiology II (4)** This course is a continuation of BIO 271 Human Anatomy/Physiology I. (Laboratory) Prerequisite: BIO 271. An additional fee is required. (S)

**BIO 281: Introduction to Wildlife Rehabilitation I (3)** This is an introductory course, for students concentrating in Wildlife Rehabilitation, that emphasizes wildlife education. The course is designed to be experiential, and students will learn management and care of the permanent educational wildlife and will learn to use them in classroom educational programs. Prerequisite: BIO 155. An additional fee is required. (F)

**BIO 282: Wildlife as Partners in Education (3)** This course emphasizes the use of wildlife in environmental and wilderness education. Prerequisite: BIO 281. (S)

**BIO 288: Special Topics in Biology (1–3)** In these courses, topics are determined by the biology faculty and provide the student with an opportunity to study and research in various subject areas. Prerequisite: Permission of the instructor and BIO 114 and BIO 115 or BIO 121 and BIO 122.

**BIO 292: Advanced Clinical Rehabilitation (4)** This course is designed to introduce students to the fundamentals of wildlife rehabilitation from a clinical standpoint, including assessments, diagnostics, and treatments for injured or orphaned animals. Corequisite: BIO 282. An additional fee is required.

**BIO 311: Microbiology and Immunology (4)** This course is an introduction to principles and applications of microbiology including systematics, metabolism, pathogenic mechanisms and industrial applications. Humoral and cell-mediated immune responses in vertebrates are emphasized. (Laboratory) Prerequisite: BIO 114 or BIO 115 or BIO 121. An additional fee is required. (F Even) (WI)

**BIO 321: Field Botany (3)** This is a field course on plant identification and study of plant communities, with emphasis on flora and plant communities of the southern Appalachian region. (Laboratory) Prerequisite: BIO 221. An additional fee is required. (F Odd)

**BIO 333: Ecological Field Methods (3)** This course is designed to give students experience in fieldwork and projects to be used in future work in careers and graduate school. Prerequisite: BIO 231.

**BIO 336: Biomedical Ethics (3)** This course will be an exploration of ethical issues that arise involving delivery of health care, the dynamic between individual rights and institutional health care, and specific issues such as cloning and euthanasia. Based on case studies. Prerequisite: RHE 101.

**BIO 338: Environmental Ethics (3)** This course inquires about the questions of ethics that arise in the human interaction with the natural environment. This course both introduces ethical theory and considers the merit of relative ethical frameworks for contemporary environmental concerns.

**BIO 433: Principles of Ecology (4)** This course is a study of relationships between organisms and their biological, chemical and physical environment. (Laboratory required to be taken concurrently) Prerequisite: CHM 101 or CHM 111 and BIO 211 or 221. An additional fee is required. (F)

**BIO 341: Research Topics in Biology (1)** This course is designed to allow junior and senior Biology majors the opportunity to initiate research projects in their respective fields of interest. (May be repeated for credit as topics vary.) Prerequisite: Junior status or permission from the instructor. (F, S)

**BIO 342: Research Topics in Biology (2)** This course is designed to allow junior and senior Biology majors the opportunity to initiate research projects in their respective fields of interest. (May be repeated for credit as topics vary.) Prerequisite: Junior status or permission from the instructor. (F, S)

**BIO 343: Research Topics in Biology (3)** This course is designed to allow junior and senior Biology majors the opportunity to initiate research projects in their respective fields of interest. (May be repeated for credit as topics vary.) Prerequisite: Junior status or permission from the instructor. (F, S)

**BIO 351: Comparative Vertebrate Anatomy (4)** This course will introduce students to the comparative anatomical study of various vertebrate systems, including musculoskeletal, cardiovascular, integumentary, sensory, and urinary systems, with emphasis on evolutionary bases for these differences. (F)

**BIO 353: Principles of Human and Animal Nutrition (3)** This course explores the relationship of nutrition to animal and human physiology. Prerequisites: BIO 114 or BIO 121, CHM 111. (S Odd)

**BIO 361: Genetics (4)** In this course, students will study the basic principles of classical and modern genetics. (Laboratory) Prerequisite: BIO 114 or BIO 115 or 121. An additional fee is required. (S Odd)

**BIO 363: Histology (4)** An in-depth exploration of animal organ systems at the tissue-level. Emphasis will be given to normal microanatomy and changes associated with pathologies.

**BIO 371: Internship in Biology (1)** This course will give students academic credit for work experience in an area related to their major. Formal report of the work experience or related research is required. Prerequisite: Junior status and permission of the instructor. (F, S)

**BIO 372: Internship in Biology (2)** This course will give students academic credit for work experience in an area related to their major. Formal report of the work experience or related research is required. Prerequisite: Junior status and permission of the instructor. (F, S)

**BIO 373: Internship in Biology (3)** This course will give students academic credit for work experience in an area related to

their major. Formal report of the work experience or related research is required. Prerequisite: Junior status and permission of the instructor. (F, S)

**BIO 375: Leadership in Wildlife Rehabilitation (3)** This course will provide academic credit for work carried out at the May Wildlife Rehabilitation Center. Specific project goals aside from shift work must be established before enrolling in this course.

**BIO 388: Special Topics in Biology (1–3)** In these courses, topics are determined by the biology faculty and provide the student with an opportunity to study and research in various subject areas. Prerequisite: Permission of the instructor.

**BIO 389: Special Topics in Biology (4)** In these courses, topics are determined by the biology faculty and provide the student with an opportunity to study and research in various subject areas. Prerequisite: Permission of the instructor.

**BIO 392: Clinical Wildlife Rehabilitation I (6)** This intensive, hands-on course offered only during the first semester of summer school, is designed to train students in the rehabilitation of injured and orphaned wildlife. Due to the heavy time demands, students should not take other summer courses while enrolled in this class. Prerequisite: BIO 282 and 292. (Summer) (WI)

**BIO 393: Clinical Wildlife Rehabilitation II (6)** This course is a continuation of BIO 392 through the second semester of summer school. (Summer) (WI)

**BIO 401: Appalachian Ecology (4)** This course is a field study of the natural communities of the southern Appalachians, including deciduous forests, evergreen forests, balds, heath and wetlands. Biological composition and structure of these communities are examined through field exercises and projects. Prerequisite: BIO 211 or BIO 221. (Summer)

**BIO 411: Evolution (3)** This course focuses on the mechanisms of organic evolution with an emphasis on environmental and genetic factors related to evolutionary change. Prerequisite: BIO 211 or BIO 221. (S Even)

**BIO 425: Developmental Biology (4)** This course will cover basic developmental processes that guide the transition of a fertilized embryo to an adult animal. Development of the three germ layers, organogenesis and stem cell biology will be heavily covered. Prerequisites: BIO 114 or BIO 115. (S Even) (WI)

**BIO 431: Conservation Biology (3)** This course introduces students to the field of wildlife/ecosystem conservation restoration. Students will be introduced to ecological, biogeographic and genetic theory and how it relates to conservation of species and communities. Prerequisite: BIO 433. (S Odd)

**BIO 441: Ornithology (4)** In this course, students will study avian biology, including evolution, zoogeography, anatomy, ecology and behavior, with emphasis on North Carolina avifauna. (Laboratory) Prerequisite: BIO 211. An additional fee is required. (F)

**BIO 445: Mammalogy (4)** In this course, students will study the Biology of mammals, including their evolution, zoogeography, anatomy, ecology and behavior, with emphasis on mammals of North Carolina. (Laboratory) Prerequisite: BIO 211. An additional fee is required. (S)

**BIO 451: Animal Behavior (3)** This course is an introduction to animal behavior, with emphasis on social systems of animals in natural environments. Prerequisite: BIO 211. (S Odd) (WI)

**BIO 461: Cell Biology (4)** This course is a study of the structure and function of cells at the cellular and molecular level. The current status of major topics such as gene function, cellular recognition and communication, cell motility, metabolism, and cell differentiation are presented. Prerequisites: BIO 114 or BIO 115. (WI)

**BIO 465: Molecular Biology (3)** BIO 465 focuses on molecular mechanisms that underlie important biological processes of the human body including immunology, metabolism and gene expression. This course also introduces techniques used to elucidate those processes. Prerequisites: BIO 114 and BIO 115. BIO 311 recommended. (F Even) (WI)

**BIO 467: Biochemistry (4)** Biochemistry investigates how the structure of biological macromolecules function in important cellular outputs of human biological processes. Prerequisites: BIO 114, BIO 115, and CHM 111. (F Odd)

**BIO 482: Tropical Biology (3)** This course is a field study of tropical ecosystems, including terrestrial and marine habitats. Taught in a variety of tropical locales, it investigates the complex relationships between organisms in tropical communities. Prerequisite: BIO 231 or BIO 433 and permission of the instructor.

**BIO 486: Freshwater Systems (3)** In this course, students will study the fundamentals of freshwater systems including streams and rivers, lakes, and wetlands. Physical, chemical, and ecological concepts will be addressed with a special focus on lotic systems. Prerequisite: BIO 121 and BIO 122. (F Odd)

**BIO 488: Special Topics in Biology (1–3)** In these courses, topics are determined by the biology faculty and provide the student

with an opportunity to study and research in various subject areas. Prerequisite: Permission of the instructor.

**BIO 489: Special Topics in Biology (4)** In these courses, topics are determined by the biology faculty and provide the student with an opportunity to study and research in various subject areas. Prerequisite: Permission of the instructor.

**BIO 499: Senior Research for Biology Majors (3)** This capstone research course involves data collection, analysis and presentation. Oral and written presentations will be required. Prerequisite: Senior status. (F, S) (WI)

**BIO/CHM 511: Biochemistry (4)** Biochemistry investigates how the structure of proteins, nucleic acids, lipids, and carbohydrates function in important metabolic pathways and cellular outputs of human biological processes. The lab component of this course explores scientific techniques that are used to characterize the roles of proteins nucleic acids, lipids, and carbohydrates in metabolic processes. Major emphasis is placed on safe and effective experiential learning components of coursework in the biological sciences. (Laboratory) Prerequisites: BIO 114, BIO 115, and CHM 111.

**BIO 561: Cell Biology (4)** This course is a study of the structure and function of cells at the cellular and molecular level. The current states of major topics such as gene function, cellular recognition and communication, cell motility, metabolism, and cell differentiation are presented. Major emphasis is placed on safe and effective experiential learning components of coursework in the biological sciences. (Laboratory) Prerequisite: BIO 271

**BIO 633: Principles of Ecology (4)** This course is a study of relationships between organisms and their biological, chemical, and physical environment. Major emphasis is placed on safe and effective experiential learning components of coursework in the biological sciences. (Laboratory) Prerequisite: BIO 211 or BIO 221.

# Business (BUS)

**BUS 101: Introduction to Business (3)** This course offers an overview of the issues — economic, global, regulatory and ecological — that face today's business firm. Other topics include: career paths in business, accounting and financial matters, ownership rights vs. managerial control, production operations, marketing and distribution, relationships with governments and special responsibilities of business. (F, S) (WI)

**BUS 102: Introduction to Business Computing (3)** Introduction to Business Computing introduces the student to a broad background of business technological computing fundamentals and an awareness of how and where technology is currently being implemented within the business realm. Business Computing covers the business technological concepts, and technological business security and ethics, along with how technology encompasses the workplace. Students will acquire the basic business technology skills in operating systems, spreadsheets, databases and professional presentation skills. Prior keyboarding skills would be helpful. Test Out available. (F, S)

**BUS 103: Personal Finance (3)** This course offers study in the area of personal financial management and money management along with consumer decision making. Course topics include: preparing a personal budget, managing cash and savings, using credit wisely, types of insurance, home ownership and developing an investment plan for the future. (F)

**BUS 105: Personal Income Tax (3)** This course provides an introduction to personal income tax preparation. Course topics include current income tax law, gross and adjusted gross income, deductions and credits, and capital gains and losses. The preparation of individual income tax returns is emphasized. (S)

**BUS 211: Principles of Management (3)** Functions of management, organizational structures, leadership, motivation and styles of management are studied in this course. Formal presentations are required. Students will learn group dynamics and team building skills. Prerequisite: BUS 101. (F, S)

**BUS 221: Principles of Microeconomics (3)** This course is a study of microeconomic principles including: supply and demand analysis, elasticity measures, the function of prices, cost analysis and output determination, product and resource markets, competitive market structures, imperfect competition, and the theory of comparative advantage. (F)

**BUS 222: Principles of Macroeconomics (3)** This course is a study of macroeconomic principles including: the circular flow model, economic aggregates, inflation, unemployment and gross domestic product, the aggregate demand/aggregate supply model, fiscal policy, central banking and monetary policy, stabilization theory, and international finance. (S)

**BUS 241: Accounting I (3)** This course introduces the principles, concepts and role of accounting in business. Students will gain an understanding of accounting for, and reporting to, lenders, investors, regulators and other decision-makers who are outside of the firm. Double-entry bookkeeping, Generally Accepted Accounting Principles (GAAP), the accounting cycle, accounting systems and controls for different types of businesses (manufacturing, merchandising, and service), ethics, cash, receivables, balance sheets, income statements and analyses of financial reports are studied. (F)

**BUS 242: Accounting II (3)** This course is a continuation of BUS 241. Students will gain an understanding of accounting for inventories, fixed assets, liabilities, different forms of organizations (corporations, partnerships, LLCs, sole proprietorships), income tax reporting, extraordinary items, bonds, time value of money, ethics, the statements of owners' equity and cash flows, and the analyses of financial reports. Prerequisite: BUS 241. (S)

**BUS 299: Business Communications (3)** This course is designed to expose students to the various communication skills needed in the business environment. Students will learn accepted practices in writing professional documents including letters, reports, emails and resumes. Students will also develop oral presentation and interpersonal skills. Team building skills will also be a focus of this course. Prerequisite: RHE 102. (S) (WI)

**BUS 301: Principles of Marketing (3)** This is a survey course covering the process of creating, distributing, promoting and pricing of goods and services in a global, information-age economy. Psychological, sociological and economic determinants of consumer behavior are emphasized, as is the planning and evaluation of marketing efforts. Substantial writing projects are required. Prerequisite: BUS 101. (F, S) (WI)

**BUS 302: Marketing Research (3)** This course deals with the theory and application of marketing research as a tool for the decision-making process. Special emphasis is given to problem definition, research design, sampling procedure, data collection, statistical analysis, interpretation of data, and reporting of research findings. Techniques involved in the collection, tabulation, and analysis of marketing information. Prerequisite: MAT 301 and BUS 301.

**BUS 303: Social Media Marketing (3)** Social Media Marketing addresses how businesses use the internet and other computer

technologies as marketing tools. The emphasis is on understanding the unique opportunities and challenges associated with electronic marketing in order to better implement a firm's overall marketing strategy. This course will discuss e-commerce, effective websites, search engines results, advertising banners and database marketing. Prerequisite: BUS 301 (S Odd)

**BUS 304: Integrated Marketing Communication (3)** This course will teach students how to develop and implement integrated marketing communications strategies including advertising, sales promotion, public relations, sponsorship marketing and personal selling. Find out how to coordinate these communication elements so that they convey a message with a single voice, thus being more cost effective. Use your analytical and creative skills to communicate effectively with target customers, making you a prized member of your employer's team. Practical work included . Prerequisite: BUS 301. (F Odd)

**BUS 306: Professional Selling and Sales Management (3)** This course focuses on the development of selling skills, from prospecting for new customers to making a sales presentation, closing the sale and following up. Through quantitative techniques and behavioral research applied to planning, organizing, directing, and controlling field sales effort, students will understand sales management and forecasting. Presentations and public speaking skills are emphasized. Prerequisite: BUS 301. (F Even)

**BUS 311: Operations Management (3)** This course is an introduction to practical quantitative techniques that can be successfully applied to production and service problems. The course uses decision models to solve production, service, and supply chain problems with emphasis on production operations, forecasting, scheduling and productivity. Significant written projects and basic applications of statistical analysis are required. Prerequisites: BUS 101 and BUS 265 or MAT 215. (F, S)

**BUS 321: Business and Economics of Sports (3)** This course is a study of professional and collegiate athletics and business enterprises. Alternative strategies for earning profits, the functions of leagues, monopoly behaviors of sports franchises in product markets, and public financing of professional sports franchises are considered. Special attention is given to collegiate athletics and the role of the NCAA. Prerequisites: BUS 221 and BUS 241. (S)

**BUS 322: Human Resources (3)** This course is a study of the various aspects of management responsibilities in the human resources function: recruiting, selection, setting of wages and salaries, placement, government regulations, training, development, promotion, transfer and termination. Appraisal of performance, job evaluation and relations between management and a non-union or union labor force are also considered. Prerequisite: BUS 101. (S)

**BUS 323: Small Business Marketing (3)** This course focuses on marketing for the smaller business. Topics will include identification of product or service potential, advertising plans, marketing strategies, sales motivation and direction, and purchasing procedures and inventory control. Prerequisite: BUS 301 (F Odd)

**BUS 341: Managerial Accounting (3)** This course focuses on the analysis of information about prices and costs within specific business entities for the purposes of planning, control and decision making. Major topics include cost behavior, cost-volume-profit relationships, job order costing, processing costing, cost allocations, activity-based costing, budgeting, variance analysis, cash flow analysis, just-in-time systems, ethical responsibilities of managers, and solvency and profitability analyses. Includes a major written project analyzing the annual report and financial statements of a real corporation. Co-requisite: BUS 242. (S)

**BUS 343: Individual Taxation (3)** This course provides individual income tax preparation, the theory of taxation, and tax administration and planning. Course topics include current income tax law, gross and adjusted gross income, deductions and credits, and capital gains and losses. The processes within the audit and appeal process will be emphasized, as well as the preparation of individual income tax returns. Prerequisites: BUS 241. Prerequisite or co-requisite: BUS 242. (S)

**BUS 344: Accounting Software Applications (3)** This course introduces accounting concepts and procedures relating to small businesses. Content includes basic overview of accounting cycle, data entry using manual and computerized systems, analysis and use of financial statement data. Course introduces general ledger software. Content includes setting up companies, entering payables, writing checks, entering sales, processing discounts, tracking sales tax, collecting receivables, preparing journal entries, generating internal reports and creating financial statements. Prerequisite: BUS 241 (Special Semester)

**BUS 345: Intermediate Accounting I (3)** This course is an in-depth study of Generally Accepted Accounting Principles (GAAP) and their theoretical basis. Explores the contents of and interrelationships among the balance sheet, income statement, statement of cash flows and statement of owners' equity, along with techniques for preparation, presentation, interpretation and use of such financial statements. Some of the more important accounting standards of the Financial Accounting Standards Board (FASB) are included. Prerequisite: BUS 242. (F)

**BUS 346: Intermediate Accounting II (3)** This course is a continuation of BUS 345's in-depth study of financial accounting, examining the preparation, presentation, interpretation and use of financial statements. Emphasizes intangible assets, acquisition of property, current and long-term liabilities and stockholders' equity. Current issues in accounting (including ethics) are also explored. Prerequisite: BUS 345. (S)

**BUS 351: Organizational Behavior (3)** This course studies of work values, attitudes and moods and their impact on the work

environment. Designed to enable students to understand the behaviors of individuals, groups and leaders in organizations. Diverse issues related to how behaviors can be changed or maintained in the work environment are studied for practical application. Prerequisite: BUS 101 and BUS 222. (F)

**BUS 352: Small Business Learning Lab (3)** This course is a real-life learning lab. The class will include, but not be limited to, small business operations, small business marketing and small business accounting. The student will have the opportunity to practice many of the concepts associated with a small business: marketing strategy, record keeping, accounting concepts and procedures, advertising, sales, purchasing and inventory control. The class will operate a small business located on the Lees-McRae College campus. (Special Semester)

**BUS 360: Study Abroad (3)** This course provides opportunities for students to obtain academic credit through study in other countries. (3)

**BUS 372: Principles of Finance (3)** This course is an introduction to investing and managing the assets of a business, to include such topics as the time value of money, capital budgeting, break-even and bonds, and analysis of the financial position and performance of the firm. Includes a major case involving capital budgeting decisions and investment criteria. Prerequisite: BUS 241 and 385. (F, S)

**BUS 375: Commercial Bank Management (3)** This course is a study of decision making involved in operating a commercial financial institution. Topics will include an overview of the banking and financial services industry, the structure and analysis of banking financial statements, and the management of banking risks. Students will be required to research and analyze a real operating Bank Holding Company and present their findings to the class. Prerequisite: BUS 372. (S Odd)

**BUS 377: Financial Management (3)** This course is an intermediate study of finance and is a continuation of the Principles of Finance course. Capital budgeting will be explored more in depth including scenario and sensitivity analysis. The Risk and Return relationship, cost of capital, capital structure, options contracts and working capital management are among the topics covered. Prerequisite: BUS 372. (F)

**BUS 385: Data Analytics (3)** This course focuses on the analysis of data from determining metrics, questions, data items to keep, and the analysis through presentation of compiled and synthesized information. With goals of more efficiently and effectively managing an organization, the course will utilize tools currently employed in business to learn and practice the processes involved in data analytics to generate strategic information. Prerequisites: BUS 102, MAT 215, and BUS 242. (F, S)

**BUS 402: Marketing Research (3)** This course deals with the theory and application of marketing research as a tool for the decision-making process. Special emphasis is given to problem definition, research design, sampling procedure, data collection, statistical analysis, interpretation of data and reporting of research findings. Techniques involved in the collection, tabulation and analysis of marketing information. Prerequisites: BUS 265 or MAT 215 and BUS 301. (F Even)

**BUS 404: Consumer Behavior (3)** This course will examine the psychological, sociological and economic theories of buyer behavior. This is followed by analysis of the major current and classical empirical research studies designed to test the different theories of buyer behavior. (F Odd)

**BUS 411: Business Law (3)** This course is an introduction to the legal process to demonstrate its effect on business. A philosophical and historical background of jurisprudence and the American legal system is reviewed as well as a larger in-depth study of the federal and state court systems. Basic legal principles are explored and an intensive study of contract law and selected aspects of business-related subjects including sales, negotiable instruments, business organization, consumer and antitrust law, business crimes and torts, government regulations, and ethical problems are emphasized. The course is designed to give students the skills necessary to recognize legal problems and know when to seek legal counsel for such issues. Prerequisite: RHE 102 and junior or senior status. (S) (WI)

**BUS 421: International Business I (3)** This course is a study of global markets for American firms. We include the policies, institutions and practices of international trade, with emphasis upon: the global integration of national economies, international commercial and financial institutions and practices, international marketing and management techniques, diverse culture and customs in international business relationships and the roles of multi-national corporations. Prerequisite: RHE 101, RHE 102, BUS 101 and BUS 351. (F)

**BUS 422: Entrepreneurship (3)** This is a seminar course that covers the entrepreneurial process from recognition of an idea to the successful launch of a business. Topics covered will be the decision to become an entrepreneur, developing ideas, and managing and growing a firm. Students will originate a business idea and develop a business plan. Prerequisites: BUS 301 and BUS 372. (F Odd)

**BUS 431: International Business II (3)** This course will engage the students in the tasks of learning the nature of international business and will focus on the new realities in today's global business environment. These include: global sources, impact of

technological advance on globalization, globalization of finance, success of the smaller firm in international markets, strategy in international business, and marketing in the global firm. Prerequisite: BUS 421 (S)

**BUS 444: Auditing (3)** This course focuses on the theory and practice of external financial statement auditing, with emphasis on the legal and ethical environment surrounding the audit process, application of GAAS (Generally Accepted Auditing Standards) to an audit, risk analysis, audit planning, internal control, compliance testing, substantive testing and reporting. Prerequisite: BUS 346. (S Even)

**BUS 446: Corporate Taxation (3)** This course introduces federal income tax concepts applicable to corporations (both C-corps and S-corps), partnerships, sole proprietorships and estates and trusts, with emphasis on differences between tax and financial accounting concepts. Other topics will include deferred compensation, tax planning, ethical practices and tax research. Prerequisite: BUS 343. Prerequisite or co-requisite: BUS 345. (F)

**BUS 451: Business Ethics (3)** This course is an analysis of business policies and practices with respect to their social impact, governmental regulations, political activities of special interest groups, the relationship between public policy and the growth of corporate enterprise, and the social responsibilities of business management. Prerequisite: BUS 241. (S)

**BUS 471: Business Internship (3-6)** This course is a full-time work experience for business majors taken under the direction and supervision of the internship coordinator, who monitors the student's progress and experience. The student is supervised by an on-site manager of the organization who will verify the number of hours completed by the student and evaluate the student's work performance. A formal paper and oral presentation is required when the internship is completed. A student working 200 to 399 hours during the internship will receive 3 hours credit. If a student works more than 400 hours during the internship, 6 hours of credit will be given. Prerequisite: Junior or senior status and permission of the instructor.

**BUS 472: Financial Decision Making (3)** This course is an application of strategies used to make financial decisions. A major emphasis is placed on designing spreadsheets to aid in the planning and decision making process. Students will complete a series of applied problems in Microsoft Excel covering various areas of financial decision making including financial statement analysis, forecasting, budgeting, leverage analysis, valuation, capital budgeting, and portfolio analysis. Students will become familiar with Excel tools such as graphs, charts and pivot tables to aid in the analysis. Students will also create their on Macro using Visual Basic and present it to the class. Prerequisite: BUS 377. (S Even)

**BUS 473: Teaching Internship (3)** This course will be in conjunction with entry level courses, such as Introduction to Business, Accounting I, Business Statistics, Principles of Management and Principles of Marketing. The student will work closely with the professor to emphasize course material, provide additional resources, counsel students, evaluate students and maintain clear and complete records. The student will have an excellent opportunity to practice and enhance skills such as thinking on your feet, answering questions, organizing presentations and improvising. Prerequisites: Permission of the Program Coordinator.

**BUS 474: Investment Management (3)** This course is an introduction to managing investments including security analysis. A major emphasis is placed on understanding the various types of investments as well as research using a variety of resources and tools to determine economic, market and investment conditions/trends. This information will be used to manage individual securities as well as a portfolio of investments. Additional emphasis will be given to stock valuation, risk and return. Prerequisite: BUS 372.

**BUS 476: International Finance (3)** This course is a study of the financing functions of multi-national companies. A major emphasis is placed on monetary exchange rates including its behavior and risk management. Additional emphasis is placed on international trade, international operations and international capital budgeting. Prerequisite: BUS 372. (S Odd)

**BUS 492: Management and Leadership (3)** This course is designed to address in-depth theories and practical applications of management and leadership in organizational settings. While focusing on building traditional managerial and leadership skills, the student will also be introduced to nontraditional approaches to understanding leaders and leadership. The responsibilities of leadership will be address through covered topics such as strategic vision, motivation and empowerment and leading diversity, teams and organizational change. Prerequisite: BUS 351. (F Even)

**BUS 498: Strategic Management (3)** This course will engage the student in the task of learning what every aspiring manager needs to know about the theory and practice of strategic management. The course study will introduce students to the primary approaches to building competitive advantage and the key elements of business-level strategy. Business case analysis and evaluation techniques will be utilized to develop skills in decision making and problem solving. Prerequisite: BUS 372 and senior status. (F) (WI)

**BUS 499: Senior Research Seminar (3)** This capstone course integrates all the functional areas of business in the analysis and solution of business problems. Oral and written presentations are required throughout the course, culminating in a more extensive research project. An experiential learning component of community service is also required. Prerequisites: BUS 498 and senior status. (S) (WI)

# Chemistry (CHM)

**CHM 101: Descriptive Environmental Chemistry (3)** This descriptive course is designed to acquaint the student with the basic chemistry of the atmosphere, hydrosphere and pedosphere along with mechanisms by which each may be polluted. (F Odd)

**CHM 111: General Chemistry I (4)** Fundamental principles, laws, and theories of chemistry are studied. (Laboratory) Prerequisite: MAT 112, MAT 116 or MAT 117. An additional fee is required. (F)

**CHM 112: General Chemistry II (4)** A continuation of CHM 111 with emphasis on ionic equilibria. (Laboratory) Prerequisite: CHM 111. An additional fee is required. (S)

**CHM 200: Introductory Biochemistry (3)** This course studies basic principles of inorganic chemistry, organic chemistry and biochemistry necessary for the study of human physiology. This course emphasizes physiological applications of the chemical processes of cellular transport, communication and metabolism.

**CHM 211: Organic Chemistry I (4)** This course is a mechanistic approach to the chemistry of aliphatic and aromatic organic compounds. Special topics include spectroscopy, stereochemistry, carbohydrates, amino acids and proteins. (Laboratory) Prerequisite: C- or better in CHM 112. An additional fee is required. (F Odd)

**CHM 212: Organic Chemistry II (4)** This course is a continuation of CHM 211. (Laboratory) Prerequisite: C- or better in CHM 112. An additional fee is required. (S Even)

# Communication Arts (COM)

**COM 110: Digital Imaging (3)** This is an introductory course exploring basic applications in digital design. Information will be presented thematically based upon a variety of topics. Emphasis for this course will be based on elements and principles of design, color theory and artistic creativity through the applications Adobe Photoshop and Illustrator. Additional fee required. (F)

**COM 111: Communication Art & Design Theory (3)** This course studies the role of verbal and nonverbal communication in human interaction and the examination of the role of communication systems in our society. Emphasis for this course will be on speech and visual communication. Additional fee required. (F, S) (WI)

**COM 265: Introduction to Film Studies (3)** In this course, students will be introduced to the history, select theories and production processes of filmmaking. Each week we will watch films and/or clips from different time periods and countries upon which, before/after viewing we will discuss various aspects of the films and write about them using an ever-increasing body of film terminology introduced throughout the semester. (S) (WI)

**COM 310: Intermediate Digital Design (3)** This is an intermediate level course designed to explore digital graphic and print design. Information will be presented thematically based upon a variety of topics. Emphasis for this course will be based upon graphic layout, design legibility, consistent design quality and artistic creativity through various applications including intermediate level Photoshop and Illustrator techniques. Prerequisite: COM 110. Additional fee required.

**COM 311: Video Production (3)** This course is designed to introduce students to the fundamentals of electronic field production. The course includes the basics of scripting, video/audio recording, lighting and digital editing. Prerequisites: COM 110 and ART 151. Additional fee required. (S)

**COM 320: Web Design (3)** This digital course will focus on web design and the applications of the principles of design (including theories of composition, color and typography) through the creation of web pages. Emphasis will be on the use of digital media for effective visual communication. Prerequisites: COM 110. Additional fee required.

**COM 371: CMAD Studio Assistant (3)** In this course students will provide assistance to Communication Arts and Design majors in the North Carolina Digital Studio and/or Whitesell Art Studio. Responsibilities include assist and troubleshoot issues students may have, assist with equipment and tools, work with the lab supervisor to maintain areas to provide a safe space for students. In addition, the student will work a minimum 10 hours per week. Prerequisite: Permission of Instructor

**COM 410: Advanced Web Design (3)** This advanced level digital course will focus on web design and the application of the principles of design (including theories of composition, color and typography) through the creation of web pages. Emphasis will be on the use of digital media for effective visual communication. Includes an examination of the role of various digital media in the larger graphic design community. Students will combine text, image, sound and artistic creativity using various applications. Prerequisite: Permission from Instructor. Additional fee required. (S)

**COM 412: Advanced Video Production (3)** This is an advanced level course designed to further develop the skills acquired in Video Production. The emphasis for this course will be on advanced skills, digital editing and collaboration. Prerequisite: Permission from Instructor. Additional fee required.

**COM 451: Senior Studio: Omega 1 (3)** This advanced level course is for students to begin preparations and plans for Senior Studio projects. It is designed to explore various approaches for students to begin planning and formulating omega projects. This course should be taken the fall before planned graduation. Prerequisites: Permission of Instructor. (F) (WI)

**COM 471: Communication Art and Design Internship (3)** This course provides an on-the-job training experience utilizing the skills in one or more of the following areas: professional writing, film/video, digital media (web design, graphic design, digital photography, creative layout and design), or photography. Emphasis on learning and practicing the fundamental skills of communications. A minimum of 200 hours of work is necessary for credit. Normally taken in the summer following the junior year. Prerequisite: Permission of instructor.

**COM 499: Senior Studio: Omega 2 (3)** This is the final course for Senior students to complete Senior studio projects before presentation. Students will engage in individual and group discussions, present preliminary presentations on artwork and thesis, and complete their Omega project. Specific deadlines will be given and the course will conclude with student presentations in an open forum along with a solo/group exhibition. Prerequisite: COM 451 (S)

# Core Liberal Arts (CLA)

**CLA 199: First Year Seminar (3)** A course designed to challenge students to explore the role of the individual in their environment within the context of global themes and concepts from discipline-specific and integrated perspectives. Required of all first-year students during their first semester of enrollment.

**CLA 210: Explorations (1)** A course designed to introduce students to the principles and strategies of self-assessment and personal planning. Students will work to identify their individual skills, values, interests, and visions through various self-assessment and will reflect on the results to set attainable personal goals.

**CLA 211: Professional Preparation (1)** A course designed to introduce students to the principles and strategies used in career planning. Topics of discussion include career research, resume writing, internship and employment opportunities, interview skills, graduate school preparation, domestic and international work environments, and life beyond college planning.

**CLA 299: Sophomore Seminar - Career and Life Planning (3)** A course designed to introduce students to the principles and strategies used in career and life planning. Topics of discussion include self-interest inventory and assessment, decision-making skills, resume writing, internship and employment opportunities, goal setting, interview skills, personal and professional wellness, graduate school preparation, personal finance management, domestic and international work environments, and life beyond college planning.

**CLA 311: Exploring Leadership (3)** This seminar style course will ask the student questions about leadership and engages with readings, podcasts, videos, and real life observation to challenge participants to seek answers. Students who complete this course will develop a unique and authentic philosophy of leadership.

**CLA 399: Junior Seminar - Global Citizenship and Ethics (3)** A course designed to challenge students to explore diversity and cultural issues within the context of global themes and concepts from discipline-specific and integrated perspectives.

**CLA 499: Senior Research Seminar (0)** This course is the capstone academic experience within the major, and a graduation requirement for all students. Course components may include a written thesis, oral presentation, experiential/community service requirement and career education. Prerequisite: Senior status and/or permission of the instructor.

# Criminal Justice (CRI)

**CRI 102: Crime in America (3)** This course focuses on critical issues in criminal justice and the relationship between mass media and crime. This will include an exploration of the ways in which media images affect our daily lives, our perceptions/attitudes about crime and our criminal policies (F, S).

**CRI 188–488: Special Topics in Criminal Justice (3)** In these courses, topics are determined by the criminal justice faculty and provide the student with an opportunity to study and research in various subject areas. Prerequisite: Permission of the instructor.

**CRI 221: Introduction to Criminal Justice (3)** This course focuses on the criminal justice system in the United States including the police, the criminal and juvenile court systems, prisons and correctional facilities. (F, S)

**CRI 231: Careers in Criminal Justice (3)** A course designed to introduce students to the principles and strategies used to engage in career and life planning. Topics of discussion include self-interest inventory and assessment, decision-making skills, resume writing, internships and employment opportunities, goal setting, interview skills, personal and professional wellness, preparing for graduate school, personal finance management, domestic and international work environments, and planning for life beyond college. CLA 299 is required for all second year students but it is open to any student who has an interest in the course. CRI 231 is cross-listed with CLA 299 (sophomore seminar with a criminal justice emphasis), which is required of all second year students but is open to any student who has an interest in the course. (S)

**CRI 265: Statistics for the Social Sciences (3)** This course is an introduction to the statistical tools required to analyze problems in the social sciences. Descriptive statistics, basic concepts of probability, statistical inference, confidence intervals, hypothesis testing, survey sampling methods, analysis of variance and linear regression are among the topics covered. Prerequisite: SSC 105 or higher math. (S)

**CRI 272: Criminal Investigation and Interrogation (3)** This course is an introduction to interviews and essential communication skills used by criminal justice personnel. Students will learn fundamental techniques for interviewing criminal suspects, witnesses, victims and children involved in crime. Emphasis is placed on conducting these interviews in a legal, efficient and professional manner while securing the truth from those involved in the crime. Prerequisite: CRI 221. (F even)

**CRI 288: Independent Study (3)** In this course, topics are determined by the program faculty and provided to enhance the students' educational experiences.

**CRI 301: Juvenile Delinquency (3)** This course examines the causes of juvenile delinquency. Particular emphasis is placed on the influence of social institutions, peer groups, the socialization process, and the rates and kinds of delinquency found in different types of communities and social classes. Prerequisite: SOC 251. (S)

**CRI 302: Juvenile Justice (3)** This course studies traditional and contemporary views on Juvenile delinquency. Covers the historical development of the juvenile justice system within the context of the criminal justice system. Future trends in juvenile justice are examined.

**CRI 311: Perspectives on Policing (3)** This course is an overview of the controlling factors influencing law enforcement strategies. Upon completion of this course, students will exhibit knowledge of the structure and function of the criminal justice process and police operations; the legacy, current interpretation, and application of law as the foundation of the criminal justice system; and the analysis of the preservation of foundational concepts and citizen rights in the workings of the criminal justice system. Prerequisite: CRI 221. (S)

**CRI 321: Deviance and Violence (3)** This course is a comparative and historical analysis of social disorganization, deviance, violence and social control in various cultural settings with particular attention given to the United States and other industrial societies. Prerequisite: SOC 251. (S)

**CRI 325: Judicial Process and Court Ethics (3)** This course gives an overview of the court system of the United States. Upon completion of this course, students will exhibit knowledge of the structure and function of both the criminal justice process and the U.S. court system. Ethical court procedures will also be discussed. Prerequisite: CRI 221. (F)

**CRI 331: Criminology: Crime Theory and Criminal Behavior (3)** This course is a discussion and application of social science theories and explanations of the causes of crime, and the evaluation of the role of social structure in the behavior of individuals. Upon completion of this course, students will be able to apply social science theories and explanations of the causes of crime; evaluate the role of social structure in the behavior of individuals; synthesize various sociological theories and explanations of the causes of crime; and evaluate issues relating to theories of crime in a multicultural, multiethnic, and socially-stratified society. Prerequisite: CRI 221. (F)

**CRI 332: Criminological Theory (3)** This course is an advanced survey of criminological theory, covering sources of data about crime, the characteristics of both offenders and victims, and the nature and theorized causes of criminal offenses. Emphasis will be placed on the application of these theories to current criminal issues.

**CRI 341: Crisis Intervention and Mediation (3)** This course focuses on theories and intervention strategies used with individuals and groups experiencing various critical problems. In addition, basic theory and skills used to deal with conflict resolution in the field of criminal justice will be analyzed. Prerequisite: SOC 251 (S odd)

**CRI 343: The Forgotten Victim (3)** This course focuses on victim experiences with the criminal justice system as well as theories of victimization, victimization trends, victim vulnerability and culpability.

**CRI 351: Prison Culture and Custody (3)** This course is an exploration of imprisonment in the United States. The student will examine subcultures within prison settings, prison programs, classification of prisoners, security threat groups, prison administration and capital punishment. Prerequisite: CRI 221. (S)

**CRI 352: Probation, Parole, and Community Corrections (3)** This course focuses upon offender alternatives to incarceration along with viable post-release options and mandates for criminal offenders. Topics may include electronic house arrest, offender boot camps, court diversion programs, community service, halfway houses, GPS monitoring and victim/community compensation. Prerequisite: CRI 221. (F)

**CRI 354: Drug Addiction and Crime (3)** This course explores the relationship between drugs and crime. Topics covered include various types of drugs and their effects, drug abuse and addiction, the origin of drug laws, and how the criminal justice system handles drug offenders.

**CRI 362: Statistics and Research Methods (3)** This course serves as an introduction to social scientific inquiry and the research design process, as well as some of the most common quantitative and qualitative research methodologies. Although key statistical concepts are covered, the focus of the course is helping students gain a conceptual understanding of the components of research procedures.

**CRI 380: Research Methods (3)** This course is an introduction to the techniques of social science research that includes an overview of the structure of scientific inquiry and the research methods used for analysis. Prerequisite: CRI 221, CRI 265. (F)

**CRI 402: Criminal Gangs (3)** This course examines the impact of criminal gangs on families, communities, police and the entire criminal justice system. DVDs giving characteristics of specific gangs will be shown and analyzed. The historical and changing dynamics of criminal gangs in society, both inside and outside prisons, will also be included. (F)

**CRI 404: White-Collar Crime (3)** This course studies white-collar crime. Focus is on theories behind white-collar crime, the different types of white-collar crime and what can be done to prevent it from happening

**CRI 450: Criminal Law (3)** This course is a study of the U.S. Constitution, codes, cases, statutes and court decisions impacting the laws of arrest, search, seizure, admission of evidence, detention, interrogation, criminal court procedures, indictments and the criminal process. Prerequisite: CRI 221. (S)

**CRI 461: Global Justice Systems (3)** The purpose of this course is to offer students an expanded and updated look at how criminal justice is practiced around the world. The course compares and contrasts the criminal justice system in the United States with justice systems in selected countries, and introduces crime as a global problem through analysis of transnational and international crime issues. Students will apply comparative methods to analyze criminal justice systems of selected countries; evaluate major legal traditions of the world; explore an international perspective in policing, courts, and corrections; and review modern dilemmas, contemporary influences, as well as possible future developments. Prerequisite: CRI 221. (F, S)

**CRI 463: Terrorism (3)** This course defines and conceptualizes terrorism. Topics include homeland security and the origins, dimensions, and impacts of both domestic and international terrorism.

**CRI 466: Serial Killers (3)** This course is a scholarly examination of the dynamics of serial murder. Also covered will be the ways in which both serial and mass murders have been dealt with by the media, law enforcement and the public. (F Even)

**CRI 471: Criminal Justice Internship (3)** This course is a closely supervised internship to be initiated by the student and approved by the instructor. The internship may be in the area of probation, parole, corrections, the courts or law enforcement. Familiarity with current related literature, a term paper and an oral presentation will be required. The supervisor will conduct periodic evaluations. Prerequisite: Senior status and permission of the instructor. (F, Summer)

**CRI 472: Criminal Justice Work Experience (3)** This course is designed for extended campus students who are currently working in the criminal justice field, or have worked in the field during the last five years. Course requirements include a portfolio to

verify their employment and evidence to demonstrate how programmatic goals apply to the individual's work experience. Students who meet this professional work experience criteria enroll in CRI 472 instead of CRI 471 Criminal Justice Internship. Prerequisites: Current Work Experience, Senior Status and permission of the Dean.

**CRI 488: Special Topics (1-3)** In these courses, topics are determined by the Criminal Justice Faculty and provide the student with an opportunity to study and research in various subject areas. Prerequisite: Permission of the instructor.

**CRI 499: Senior Research Seminar (3)** This course is the capstone academic experience, and a graduation requirement for all students in this discipline. Course components include a written thesis, oral presentation and community service requirements. Prerequisite: CRI 380, senior status and permission of the instructor. (S) (WI)

# Cycling Studies (CYC)

**CYC 131: Principles of Cycling (3)** This course is an introductory overview in these areas of study: the history of bicycling, development of the bike and its components, industry, cycling law, the arts and the bike. (F)

**CYC 233: Cycling Infrastructure and Course Design (3)** This course is a course designed to inform the students of the infrastructure of cycling and course designs in urban and rural areas. (F)

**CYC 335: Applications of Cycling Infrastructure (3)** This course is designed to implement the principles obtained through previous coursework featuring cycling equipment, retail and manufacturing businesses, governing agencies, organizations, advocacy, and competitive venues. Additional fee required. (S)

**CYC 455: Bicycling Business (3)** This introductory course gives an overview of the kinds and forms of business entities and opportunities in the bicycling industry. This course is designed to increase a student's ability to critically analyze and discuss and explore trends and issues associated with bicycling, including but not limited to public policy, manufacturing, recreation, retail, wholesale, government, and tourism.

**CYC 472: Cycling Internship I (3)** This course is designed to engage students in the professional field of cycling by working as an intern (paid or unpaid). Internships may be domestic or international and require a minimal 200 hours of work.

# Education (EDU)

**EDU 102: Introduction to Education (3)** This course seeks to answer questions concerning historical and contemporary definitions of the educated individual. It includes diverse perspectives from varied societal contexts, such as political, social and economic factors. The study examines both traditional and non-traditional pathways to becoming educated. Teacher candidates seeking teacher licensure should begin with this course in the freshman year. Students who are interested in the topic are also encouraged to enroll. (S)

**EDU 201: Introduction to Public School Teaching (3)** This course provides an introductory study of the American public school system, with specific focus on the Teacher Education Program at Lees-McRae. It includes emphases on historical, curricular and organizational developments of schools. Also, students will study the legal, legislative and social/cultural trends affecting the present goals of education (including issues related to student diversity and exceptionalities). Participation in a school setting and one attempt at passing the PRAXIS Core Academic Skills for Educators Exam are required. Teacher candidates seeking licensure should begin with this course in the sophomore year. (F)

**EDU 321: Educational Psychology (3)** This course involves a study of the psychological principles and theories applied to teaching and learning in the educational setting. The course stresses learning theory, measurement, evaluation, student and teacher behavior, individual differences and motivation including identification and educational management of children and youth with exceptionalities. Teacher candidates will complete a field placement with school age children. (F) (WI)

**EDU 322: Foundations of American Education (3)** This course includes a study of the historical, social, religious and philosophical foundations of American education and its relationship with the global community. The course will concentrate on current political, economic, legal and curricular issues in American schools. (F)

**EDU 323: Assessment of Student Learning (3)** This course is designed to help teacher candidates acquire assessment skills needed to make sound instructional decisions, monitor progress, and allow the teacher candidate to plan instruction based on assessment. The course includes an overview of the basic concepts used in developing and using classroom assessments. Students are introduced to strategies used to set objectives and assess student learning including traditional, authentic and performance techniques. Effective assessment strategies are modeled and applied to educational settings in North Carolina. This course links quality assessment to effective teaching and schools. (S)

**EDU 324: Creating and Managing the Learning Environment for Diverse Learners (3)** This course provides teacher candidates with an overview of the competencies, skills and dispositions needed to provide a classroom environment that promotes the academic and social development of students with exceptionalities including, but not limited to, giftedness, disabilities and limited English language. Teacher candidates will explore resources related to meeting the needs of these students in varied contexts, such as family, school and community settings. (F)

**EDU 325: Reflective Teaching & Classroom Management (3)** Through the study of varied models of human motivation and organization, this course assists teacher candidates, as they analyze, create and nurture positive learning communities to promote enduring academic and social growth. (F)

**EDU 327: Math and Science Strategies for Elementary School (3)** This course is constructed to introduce teacher candidates to strategies for enhancing inquiry-based student learning. The focus is on the developmental nature of learning in mathematics and science, beginning diagnoses of individual differences, evaluating student behaviors, setting goals and objectives, developing instructional strategies and using diverse resources for instruction. Competencies are based on NCSCS (including Common Core State Standards) and national standards for teaching Mathematics and Science. (S)

**EDU 328: Beginning Literacy and Social Studies Strategies (3)** This course is constructed to introduce teacher candidates to strategies for enhancing inquiry-based, student learning. The focus is on the developmental nature of learning in language arts, reading and social studies, beginning diagnoses of individual differences, evaluation student behaviors, setting goals and objectives, developing instructional strategies and using diverse resources for instruction in the content areas. Competencies are based on NCSCS (including Common Core State Standards) and national standards for Language Arts (English) and Social Studies. (S)

**EDU 329: Teacher as Researcher (3)** This course focuses on a study of the various models and applications of research related to educating students in the classroom setting. It emphasizes the development of an inquiring mind, action research design, implementation and evaluation, and writing and sharing research findings. (S) (WI)

**EDU 351: Literature for Children (3)** This course provides a survey of literature and non-print media for children, using historical and contemporary resources which represent critically-acclaimed writing and illustrations for K-6 students. It emphasizes the study of different genres of literature, criteria for selection and evaluation, integration into different subject areas, and the application of

appropriate instructional strategies for students with multicultural, language and other exceptional learning characteristics. (F)

**EDU 371: Field Experience and Seminar (2)** This course is an individually planned and approved observational and participatory placement in the school setting. Students will spend a minimum of 40 hours in the selected school setting and participate in a weekly seminar on topics of immediate professional interest. Prerequisite: Admission to Teacher Education.

**EDU 381: Computer/Media Applications in Education (3)** This course focuses on computer/media skills and applications essential for teaching in public schools. Students will critique and plan lessons using computer programs appropriate for their areas of licensure, master workings of audiovisual equipment, and create print and non-print media for classroom use. ITSE Competencies will be met by this and other Teacher Education courses. (S)

**EDU 417: Math and Science Methods for Elementary School (4)** In this course, teacher candidates investigate, evaluate and select content, methods and materials used in organizing and teaching mathematics and science in the elementary school. They develop appropriate curricula and examine personal beliefs and dispositions. Teacher candidates design and implement an integrated, technology-enhanced, problem-based, thematic unit. Emphasis is placed on integrating skills, themes and content across the curriculum to enhance higher level thinking skills. An eclectic approach is stressed, utilizing authentic assessment and strategies for meeting special needs. The importance of citizenship, roles in families and societies, geographic concepts, and various world regions are also emphasized. Competencies are aligned with NCSCS (including Common Core State Standards) and national standards. Prerequisite: Admission to the Teacher Education Program. Co-requisite: EDU 473. (F) (WI)

**EDU 418: English Language Arts and Social Studies Methods for Elementary School (4)** In this course, teacher candidates investigate, evaluate and select content, methods and materials used in organizing and teaching reading, writing, language arts and social studies in the elementary school. They develop appropriate curricula and examine personal beliefs and dispositions. Teacher candidates design and implement an integrated, technology-enhanced, problem-based, thematic unit. Emphasis is placed on integrating skills, themes and content (reading, writing, speaking, listening, viewing) across the curriculum to enhance higher level thinking skills. An eclectic approach is stressed, utilizing authentic assessment and strategies for meeting special needs. The importance of citizenship, roles in families and societies, geographic concepts and various world regions are also emphasized. Competencies are aligned with NCSCS (including Common Core State Standards) and national standards. Prerequisites: Admission to the Teacher Education Program. Co-requisite: EDU 473. Course fee required. (F) (WI)

**EDU 419: Creative Methods and Materials (4)** In this course, teacher candidates will understand the basic learning principles and the importance of multi-sensory instruction. This course will prepare teacher candidates to assess individuals and design highly creative instructional methods and strategies tailored to individual needs, abilities and learning styles. Students will be introduced to methods of teaching content areas through the multi-sensory processes, including visual arts, theatre, music, creative movement and the NC Healthful Living curriculum. Using an integrated thematic approach to instruction, teacher candidates will build a knowledge base for each of the content areas. Competencies are aligned with NCSCS and national standards. Prerequisites: Admission to the Teacher Education Program. Co-requisite: EDU 473. (F)

**EDU 420: Materials/Methods for Teaching Theatre Arts 7-12 (3)** This course is a study of the teaching of drama and theatre on the 7-12 grade levels. The study of growth and expression through creative dramatics will be explored. Teacher candidates will develop a unit of study for grades 7-12 based on a specific theme. Competencies are aligned with NCSCS and national standards. Prerequisites: Admission to the Teacher Education Program. Co-requisite: EDU 473. Course fee required. (F)

**EDU 431: Materials/Methods for Teaching Theatre Arts, K-6 (2)** This course is a study of the teaching of drama and theatre on the K-6 grade levels. Teacher candidates will develop a unit of study for grades K-6 based on a specific theme. Competencies are aligned with NCSCS and national standards. Prerequisites: Admission to the Teacher Education Program. Co-requisite: EDU 473. (F)

**EDU 473: Field Experience and Seminar (3)** This course includes an individually planned and approved observational and participatory placement in the school setting. The teacher candidate will spend approximately 150 hours in the public schools and participate in a weekly seminar on topics of immediate professional interest. The teacher candidate will develop, implement and evaluate the research component of their thematic units. Prerequisite: Concurrently scheduled with methods block. (F)

**EDU 491: Directed Teaching and Seminar (12)** This experience is designed as a cooperatively planned student teaching experience that allows candidates to gain practical experience in the classroom. Teacher licensure candidates will experience at least fifteen (15) weeks of student teaching. Weekly seminars encourage the developing professional in the final, formal integration of theoretical and practical knowledge gained through the Teacher Education Program. Prerequisite: Completion of all other EDU coursework except EDU 499. Co-requisite: EDU 499. Course fee required. (S)

**EDU 499: Senior Research: Creating a Positive Impact on Student Learning (3)** The Impact on Student Learning Project is designed to document a teacher candidate's ability to develop a project and demonstrate the impact of the teacher candidate's teaching on the learning of P-12 students. In a period of high accountability, it is critical that teacher candidates document the impact of their work with students. The project is also a means to provide evidence of a teacher candidate's accomplishment of the North Carolina 21st Century Teacher Standards. Prerequisite: Completion of all other EDU coursework except EDU 491. Co-requisite: EDU 491 (S) (WI)

**EDU 517: Content Methodology: Instructional Design and Lesson Development (3)** In this course, teacher candidates investigate, evaluate and select content, methods and materials used in organizing and teaching in their area of licensure. They develop appropriate curricula and examine personal beliefs and dispositions. Teacher candidates design and implement an integrated, technology-enhanced, problem-based, thematic unit. Emphasis is placed on integrating skills, themes and content (reading, writing, speaking, listening, viewing) across the curriculum to enhance higher level thinking skills. An eclectic approach is stressed, utilizing authentic assessment and strategies for meeting special needs. The importance of citizenship, roles in families and societies, geographic concepts and various world regions are also emphasized. Competencies are aligned with NCSCS (including Common Core State Standards) and national standards. \*Clinical experience required

**EDU 523: Developing and Interpreting Assessments (3)** This course is designed to help teacher candidates acquire assessment skills needed to make sound instructional decisions, monitor progress, and allow the teacher candidate to plan instruction based on assessment results. The course includes an overview of the basic concepts used in developing and using classroom assessments. Students are introduced to strategies used to set objectives and assess student learning including traditional, authentic and performance techniques. Effective assessment strategies are modeled and applied to educational settings in North Carolina. This course links quality assessment to effective teaching and schools. \*Clinical experience required

**EDU 524: Social Justice, Diversity and Global Issues in Education (3)** This course is designed to examine issues of global awareness and diversity (e.g., race, economic, ethnic, cultural, political, physical, and cognitive diversities) and their impact on classroom and school practices, policies, and procedures. Teacher candidates will explore resources related to meeting the needs of students with exceptionalities in varied contexts, such as family, school and community settings. Teacher candidates will learn to create culturally relevant classrooms in which students from all backgrounds may succeed.

**EDU 525: Classroom Management for Inclusive Learning (3)** Through the study of varied models of human motivation and organization, this course assists teacher candidates, as they analyze, create and nurture positive learning communities to promote enduring academic and social growth. \*Clinical experience and observation hours required

**EDU 581: Digital Literacies for 21st Century Learners (3)** This course focuses on computer/media skills and applications essential for teaching in public schools. Students will critique and plan lessons using computer programs appropriate for their areas of licensure, master workings of audiovisual equipment, and create print and digital media for classroom use. ISTE and NCDPI Digital Competencies will be met by this and other Teacher Education courses.

**EDU 591: Student Teaching & Seminar (6)** This experience is designed as a cooperatively planned student teaching experience that allows candidates to gain practical experience in the classroom. Teacher licensure candidates will experience at least sixteen (16) weeks of student teaching. Weekly seminars encourage the developing professional in the final, formal integration of theoretical and practical knowledge gained through the Teacher Education Program. A initial license portfolio will be completed as part of the student teaching and seminar course. The PPAT portfolio is designed to document a teacher candidate's ability to develop a comprehensive project and demonstrate the impact of the teacher candidate's teaching on the learning of P-12 students. In a period of high accountability, it is critical that teacher candidates document the impact of their work with students. The project is also a means to provide evidence of a teacher candidate's accomplishment of the North Carolina 21st Century Teacher Standards. Prerequisite: Completion of all other initial licensure EDU coursework

**EDU 609: Advanced Studies in Teacher Leadership (3)** The intent of this course is to provide an overview of various leadership roles teachers can assume when their professional goals focus on student achievement, instructional improvement, school reform, collegiality, and curriculum development at local, regional, state, or national levels, in private or public settings, or in political or professional organizations. Emphasis is placed on research related to these themes and strategies to identify, support, and develop attitudes and skills needed by teacher leaders

**EDU 619: Advanced Secondary Education Content Methods (3)** Students in this course will examine current research and scholarship on teaching in secondary schools. Particular emphasis will focus on the development of advanced instructional expertise and leadership in the Teacher Candidate's area of desired licensure, including strategies for teaching critical and creative thinking skills and advanced literacy skills through the content area subject matter.

**EDU 629: Research and Graduate Practicum (3)** This course stresses the scientific aspects of educational research that center on hypothesis formulation and hypothesis testing. Students are encouraged to design studies that address important and current educational issues, gather data to shed light on these issues, analyze these data, and derive conclusions based on their analyses. The strengths and limitations of various educational research designs, and the types of instruments used to measure educational outcomes, will be emphasized. This course provides an understanding of research methods, statistical analysis, needs assessments, and program evaluation. The significance of research to advance the field of education, to inform evidence-based practice, and the use of findings to effect program motivation will be covered. The course is designed to prepare practitioners to conduct high quality research using various approaches; including, qualitative, quantitative, single-case design, mixed methods, action research, and outcome-based research.

# Emergency Medical Services and Management (EMS)

**EMS 250: Intro to EMT Basic (3)** This course introduces basic emergency medical care. Topics include preparatory, patient assessment, and operations. It covers modules 1, 3, 7 and the miscellaneous section of the North Carolina EMT-B educational requirements. Upon completion of all modules students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

**EMS 251: Medical Emergencies (3)** This course covers medical emergencies, OB/GYN, behavioral, infants and children. It meets the requirement of the North Carolina EMT and National EMT educational requirements. Upon completion, students should be able to demonstrate the knowledge skills necessary to achieve North Carolina State or National Registry EMT certification.

**EMS 252: Airway Management for EMT Basic (2)** Topics include airway and advanced airway topics. It covers modules 2 and 8 of the North Carolina EMT-B educational requirements. Upon completion of all modules students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

**EMS 253: Clinical Practicum for EMT-Basic (1)** This course provides the introductory hospital clinical and field experience for the EMT-Basic student. Emphasis is placed on mastering fundamental EMT-Basic skills including patient assessments. Upon completion, students should be able to demonstrate competence with fundamental EMT-Basic level skills.

**EMS 254: Trauma Emergencies (3)** This course covers topics in trauma emergencies prehospital. Upon completion, the student will be prepared to take the NC EMT credential exam and/or the National Registry EMT exam.

**EMS 260: EMS Operations (2)** This class will cover topics associated with emergency vehicles and safe operations. Communications will cover topics associated with effective forms of communications in emergency services. Rescue scene management will cover hazardous material, incident command system and terrorism. Upon completion, students will be eligible to for the North Carolina and/or National Registry Exam for EMT.

**EMS 300: Intro to EMS (1)** This course provides a basic understanding of the roles and responsibilities of the paramedic, including medical/legal issues, ethics, and the well being of the paramedic.

**EMS 301: Pharmacology (4)** This course introduces the fundamental principles of pharmacology and medication administration and is required for paramedic certification. Topics include medical terminology, pharmacological concepts, weights, measures, drug calculations, vascular access for fluids and medication administration and legislation. Upon completion, students should be able to accurately calculate drug dosages, properly administer medications, and demonstrate general knowledge of pharmacology.

**EMS 302: Advanced Airway Management (2)** This course is designed to provide advanced airway management techniques and is required for paramedic certification. Topics include respiratory anatomy and physiology, airway/ventilation, adjuncts, surgical intervention, and rapid sequence intubation. Upon completion, students should be able to properly utilize all airway adjuncts and pharmacology associated with airway control and maintenance.

**EMS 303: Cardiology 1 (2)** This course introduces the study of cardiovascular emergencies and is required for paramedic certification. Topics include anatomy and physiology, pathophysiology, electrophysiology, and basic rhythm interpretation in the monitoring leads. Upon completion, students should be able to recognize and interpret basic rhythms.

**EMS 305: EMS Clinical Practicum 1 (3)** This course provides clinical experiences in the hospital and/or field. Emphasis is placed on increasing the proficiency of students' skills and abilities in patient assessments and the delivery of care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

**EMS 321: Trauma Emergencies (2)** This course provides in-depth study of trauma including pharmacological interventions for conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include an overview of thoracic, abdominal, genitourinary, orthopedic, neurological, and multi-system trauma, soft tissue trauma of the head, neck, and face as well as environmental emergencies. Upon completion, students should be able to recognize and manage trauma situations based upon patient assessment and should adhere to standards of care.

**EMS 322: Cardiology 2 (3)** This course provides an in-depth study of cardiovascular emergencies and is required for paramedic certification. Topics include assessment and treatment of cardiac emergencies, application and interpretation of advanced electrocardiography utilizing the twelve-lead ECG, cardiac pharmacology, and patient care. Upon completion, students should be able to assess and treat patients utilizing American Heart Association guidelines.

**EMS 323: Medical Emergencies (4)** This course provides an in-depth study of medical conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include appropriate interventions/treatments for disorders/diseases/injuries affecting the following systems: respiratory, neurological, abdominal/gastrointestinal, endocrine, genitourinary, musculoskeletal, and immunological as well as toxicology, infectious diseases and diseases of the eyes, ears, nose and throat. Upon completion, students should be able to recognize, assess and manage the care of frequently encountered medical conditions based upon initial patient assessment.

**EMS 324: Patients with Special Challenges (2)** This course includes concepts of crisis intervention and techniques of interacting with patients with special challenges and is required for paramedic certification. Topics include appropriate intervention and interaction for neglected, abused, terminally ill, chronically ill, technology assisted, bariatric, physically challenged, mentally challenged, or assaulted patients as well as behavioral emergencies. Upon completion, students should be able to recognize and manage the care of patients with special challenges.

**EMS 325: EMS Clinical Practicum 2 (3)** This course provides clinical experiences in the hospital and/or field. Emphasis is placed on increasing the proficiency of students' skills and abilities in patient assessments and the delivery of care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

**EMS 331: Life Span Emergencies (3)** This course covers medical/ethical/legal issues and the spectrum of age-specific emergencies from conception through death required for paramedic certification. Topics include gynecological, obstetrical, neonatal, pediatric, and geriatric emergencies and pharmacological therapeutics. Upon completion, students should be able to recognize and treat age-specific emergencies.

**EMS 335: Clinical Practicum 3 (3)** This course provides clinical experiences in the hospital and/or field. Emphasis is placed on enhancing the students' skills and abilities in providing advanced-level care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

**EMS 336: Clinical Practicum 4 (4)** This course provides clinical experiences in the hospital and/or field. Emphasis is placed on mastering the skills/competencies required of the paramedic providing advanced-level care. Upon completion, students should be able to provide advanced-level patient care as an entry-level paramedic.

**EMS 448: EMS Comprehensive Review and Exams (2)** This course provides a recap of program information needed to successfully pass the North Carolina State paramedic test and the National Registry of Emergency Medical Technicians (NREMT) test. This will include all required practical tests as well.

**EMS 460: EMS Finance and Managed Healthcare (3)** This course provides an overview of the basic concepts and principles in the health insurance and managed care environments. Issues relating to the costs, quality and access to emergency medical services will be discussed. Topics include Medicare and Medicaid reimbursement, Managed Care contracting, EMS Quality Management, and others.

**EMS 461: EMS Administration (3)** This course will cover an overview of the management and administrative functions required of EMS agencies. It will include planning, directing, budgeting, staffing operations and evaluation of personnel and business objectives. Issues relating to human resources, EMS operations, and organizational planning will also be discussed.

**ESM 462: EMS Law and Legal Issues (3)** This course provides a general overview of the origins of law in the United States with particular emphasis on healthcare laws and regulations affecting pre-hospital providers. Topics discussed include issues relating to malpractice, litigation, consent and refusal of medical treatment, advanced directives, documentation, and patient confidentiality including an in-depth examination of HIPPA, among others.

**EMS 468 EMSM Senior Research (3)** This course is for the advanced EMS Management student. Completion of an individual project in a specific EMS area will be created under the guidance and supervision of an EMS faculty member. Prerequisite: Entry into the EMSM Program, permission of instructor (WI)

**EMS 499: EMS Capstone (1)** This course provides an opportunity to demonstrate problem solving skills as a team leader in simulated patient scenarios and is required for paramedic certification. Emphasis is placed on critical thinking, integration of didactic and psychomotor skills, and effective performance in simulated emergency situations. Upon completion, students should be able to recognize and appropriately respond to a variety of EMS related events.

# English (ENG)

**ENG 213: Technical Writing (3)** This course focuses on communications skills for business and the professions. The course features a workshop approach covering such topics as memoranda, abstracts, technical instructions, proposals and reports. Prerequisite: Grade of C or better in RHE 102 or permission of the Dean. (F) (WI)

**ENG 241: Advanced Grammar/Linguistics (3)** This course studies the phonetic, morphological, and syntactic systems of the English language and the distinctive features of the major world language groups. Prerequisite: RHE 102.

**ENG 288–488: Special Topics (3)** Topics determined by the program faculty and provided to enhance the student's educational experience. Permission of Dean required.

**ENG 301: Creative Writing: Prose (3)** This course focuses on techniques of short story writing with five major writing projects carefully written and revised by the student. Assigned readings serve as models for various techniques. Prerequisite: A grade of B or better in RHE 102 or permission of the Dean. (WI)

**ENG 303 Creative Writing: Introduction to Poetry, Workshop (3)** This class will offer individual practice and exploration in writing poetry where an ancillary goal will be the development of critical awareness. Students will engage with a wide range of poetic texts and generate their own work throughout the semester.

**ENG 323: #Writing: The Art of Narrative in New Media (3)** This course focuses on the composition of narrative as it relates to new and emerging forms of media, including writing for internet publications, podcasting and digital storytelling. Prerequisite: Permission of instructor. (WI)

**ENG 351: Peer Tutoring in Writing (1)** A review of the fundamental principles of composition and revision, the issues and practices involved in tutoring various kinds of writing projects, and the nature and function of a college writing center. The course is designed to prepare students for concurrent or future tutoring duties at the tutoring center. Prerequisite: Instructor approval.

**ENG 421: Journalism (3)** This course is designed to teach in a workshop atmosphere the fundamentals of journalism. Assessing and writing news stories, news features, interviews and feature articles for newspaper, radio and television. The course pays some attention to journalistic layout and design and to the ethics of journalism. Prerequisite: Any literature course at the 200 level. (S) (WI)

**ENG 471: Internship (3)** The internship is an on-the-job training experience utilizing the skills developed in the English major. Emphasis is on learning and practicing the fundamental skills of reading, writing, editing, communicating and researching. A minimum of 200 hours of work is necessary for credit. This course is normally taken in the summer following the junior year.

**ENG 499: Senior Seminar for English Majors (3)** This course focuses on selected topics in literature and/or composition as determined by the English faculty. Oral presentation and written thesis required. Prerequisite: Senior status and permission of the Dean. (WI)

# Health and Wellness Science (HWS)

**HWS 200: First Aid & CPR (1)** This course will provide students with the knowledge and skills necessary to assess an emergency situation, to call for help, to administer mouth to mouth resuscitation or CPR, perform correct choking procedures for conscious and unconscious victims, and to minimize the consequences of injury or sudden illness until advanced emergency medical help arrives. Students will learn to recognize emergencies and make appropriate decisions regarding care. Students will also receive information on the prevention of injury and illness, with a focus on personal safety. (S)

**HWS 210: Introduction to Health and Wellness Science (3)** Students will be introduced to health and wellness science concepts from a Health at Every Size perspective. Emphasis will be placed on intuitive eating, stress management, emotional health, overall well-being, health related attitudes and individual health behaviors. (F)

**HWS 230: Food Science (3)** This course will explore food, food preparation, food service and food science. Integrating these key topics with relevant information about nutrition and the food industry, this course provides students with a thorough overview of the different dimensions of food principles and insight into the variety of career options available in the food industry. Prerequisite: HWS 255. (F)

**HWS 255: Nutrition, Health and Wellness (3)** Students will study the impact of nutrition on wellness by learning nutrients, their functions in the human body, food sources and appropriate intake levels. Controversies surrounding use of various nutrients for improvement of health and well-being will be discussed. (F, S)

**HWS 260: Injury Care and Prevention (3)** This course is designed as a general survey of injuries affecting athletic and non-athletic populations. Students will explore injury mechanisms, prevention, and treatment. Prerequisite BIO 271, BIO 272, and HWS 200. (F)

**HWS 300: Pathophysiology (3)** This course focuses on the altered processes of human physiology. An emphasis is placed on exploring changes of biological processes of the body and the effects on homeostasis. Objective and subjective manifestations of common health problems resulting from the environmental, genetic, and stress-related maladaptation's are assessed and analyzed. Assessment findings, diagnostic testing, and interventions for specific health problems are discussed. Prerequisite BIO 271 and BIO 272. (F, Summer)

**HWS 305: Population Health (3)** This course focuses on the impact of population health on the individual. Topics covered include determinants of health and disease, care of special populations and public health interventions. This course provides the foundational knowledge necessary for success in epidemiology (HWS 455) and program planning and education models (HWS 460). (F)

**HWS 308: Health Promotion and Aging (3)** This course will explore the health and well-being of individuals across the lifespan. Students will have an introduction to aging and health concerns of older individuals, and to broader issues of aging, health, and society. Prerequisite: HWS 305. (S)

**HWS 310: Sports Psychology (3)** This course involves knowledge and training of psychological skills to enhance sport performance and physical movement activity. Content areas examined include motivation, confidence, arousal, attention, personality, anxiety, coping, social influences, and psychobiological aspects as they affect participants in competitive and recreational sports, as well as fitness, exercise, and wellness activities. Prerequisite PSY 201. (S)

**HWS 312: Environment and Global Health (3)** This course will explore the impact of health events from a global, national, local, and community-based perspective. Students will learn what environmental and workplace conditions provoke hazards, identify which threats pose a risk to health and look at how health is affected. Students will assess the impact of social and behavioral influences and explore how disparities affect communities. (F)

**HWS 320: Exercise Physiology (3)** This course is an exploration of the acute and chronic effects exercise places upon the body. Prerequisites BIO 271 and BIO 272. (F)

**HWS 330: Sports Nutrition (3)** This course will explore concepts of nutrition related specifically to the athletic population. Students will develop comprehensive nutritional plans to ensure optimal performance outcomes for varying athletic populations. Athletic performance variability will also be discussed. Prerequisite HWS 255. (S odd)

**HWS 350: Healthcare Informatics (3)** This course provides an overview of healthcare informatics as it relates to the provision of safe, quality, client-centered care. Emphasis is placed on locating, accessing, appraising, and using information to inform evidence-based, professional decisions. The use of information management systems in the collection, management, and communication of client data as well as the maintenance of client privacy and confidentiality is highly stressed. (WI) (F)

**HWS 360: Evidence-Based Practice and Research (3)** This course is designed to promote evidence-based, clinical decision-making through the exploration and integration of current scientific evidence. Focus is placed on the analysis and synthesis of evidence to answer clinical questions relevant to health and wellness science. (WI) (F)

**HWS 361: Lifecycle Nutrition (3)** This course will explore an individual's needs for nutrients and energy over the life span. Beginning with conception, pregnancy, early childhood feeding, adolescence, adulthood and the elderly, each lifecycle is discussed with an understanding of the physiological changes and their implications for nutritional factors. Students will also review the social, psychological, economic and leisure changes that affect individual's food choices across the life span. Prerequisite: HWS 255 (S even)

**HWS 380: Therapeutic Exercise (3)** This course will facilitate students understanding of scientific and applied principles of training with an emphasis therapeutic exercise and rehabilitation. Areas of study will include foundational concepts of therapeutic exercise, stretching for impaired mobility, and exercise for impaired balance, peripheral nerve disorders, surgical interventions, and postoperative management. Prerequisites HWS 260, HWS 300. (F)

**HWS 388: Special Topics in Health and Wellness (1–3)** In these courses, topics are determined by the biology faculty or student and provide the student with an opportunity to study and research in various subject areas: Prerequisite: Permission by the instructor. (F, S)

**HWS 399: Expedition Travel (3 HWS/3 ORM/LHF)** The purpose of this course is to provide students with the skills and knowledge that pertain to the principles and practices of actively participating in an extended group expedition domestically or internationally. This will be achieved through an examination of expeditioning theory and practice in the classroom followed by an extended expedition. An expeditionary/experiential learning model will serve as the foundation for this travel course. Field-trip required. An additional fee is required.

**HWS 400: Pre-professional Internship (4)** The Pre-Professional Internship will allow students to place knowledge gained from their current study of health and wellness science in an applied setting. The internship will serve as a necessary tool to any student wishing to advance to graduate study or pursue active employment in their chosen field. (F, Summer)

**HWS 401: Health and Wellness Assessment (3)** This course provides the framework for preparing students to perform comprehensive health and wellness assessments across the lifespan. Emphasis is placed on taking a thorough history and performing physiological, psychological, sociological, cultural, and spiritual assessments. Health and wellness guidelines to promote lifestyle changes will also be discussed. Prerequisites BIO 271, BIO 272, HWS 300. (S)

**HWS 420: Structural Kinesiology (3)** This course is the study of movement-specific musculoskeletal anatomical structures and the respective neuromuscular fundamentals associated with movement analysis and their application to performance-based human movement. Prerequisites BIO 271 and BIO 272. (F)

**HWS 450: Exercise Testing and Prescription (3)** This course content will help students to facilitate and evaluate an individual's level of fitness based on theories of best-practice. Students will engage in the principles of safe and effective training programs for both healthy and unhealthy populations. Prerequisite HWS 320, HWS 401, HWS 420. (S)

**HWS 455: Epidemiology (3)** This course introduces the basic principles and methods of epidemiology, with an emphasis on critical thinking, analytic skills, and application to clinical practice and research. Topics include outcome measures, methods of adjustment, surveillance, quantitative study designs, and sources of data. Designed for those with a clinical background, the course will provide tools for critically evaluating the literature and skills to practice evidence-based medicine. Prerequisite or Corequisite HWS 340. (S)

**HWS 460: Program Planning and Educational Models (3)** This course will present theories/models for health promotion program planning and implementation in community/public health settings. Steps to program planning, including: logic models, models of fitness, needs assessment, community organizing, evaluation/assessment, standard models of education/learning, and social marketing, will be addressed. (S)

**HWS 461: Medical Nutrition Therapy (3)** Medical Nutrition Therapy, often abbreviated as MNT, is an evidence-based medical approach to treating certain chronic conditions through the use of an individually-tailored nutrition plan. This nutrition plan is ordered and approved by a primary care physician and implemented by a Registered Dietitian. This course will explore diverse chronic conditions and the recommended nutrition plans outlined by the Academy of Nutrition and Dietetics' Evidence-Based Nutrition Practice Guidelines. Prerequisite: HWS 255. (S)

**HWS 480: Transition into Professional Practice (2)** This course will review contemporary issues in professional practice, including social, political, organizational, legal, and ethical factors. The politics of healthcare are discussed and current issues are critically analyzed. The course will also prepare students for graduate school entry examinations and professional interviewing. Prerequisite HWS 400. (F)

**HWS 499: Health and Wellness Capstone (3)** The purpose of this course is to provide the student the opportunity to function as a contributing member of the interprofessional team and collectively apply the knowledge and practice the skills acquired in previous courses. Emphasis is placed on demonstration of professional behaviors, communication that supports information exchange, collaboration and conflict mediation, ethical comportment and the ability to effectively use leadership skills. Prerequisite HWS 400. (WI) (S)

# History (HIS)

**HIS 115: Foundations of World Civilization (3)** This is a survey of world civilization with an emphasis on the events and thoughts that have brought about the contemporary world and the conflicts within it.

**HIS 120: U.S. and the World (3)** This is a survey of selected themes in US and World history. Emphasis is on the competition of values and world views in the global marketplace of ideas and how these values and world views define identity.

**HIS 210: History of the Southern Appalachian Region (3)** This is a survey course of the history of the southern Appalachian region from the period of exploration and settlement to the present.

**HIS 215: World History Since 1500 (3)** A global survey of the history of the World since 1500. The course covers major political, cultural and intellectual developments and introduces students to historical research and methods in global history.

**HIS 225: American Government (3)** This is a survey of American government at the national, state and local levels. Focus is on the foundation and history of the American political system, institutions of American government and formulation of public policy. Prerequisite: RHE 102.

**HIS 241: History of Medicine (3)** A survey of major themes in the history of medicine. Topics include the history of the medical profession, the advance of medical science and knowledge, and the historical origins of fields such as nursing, epidemiology, and public health.

**HIS 260: Problems in U.S. History I: American Revolution to Reconstruction (3)** This course examines major problems in the history of the United States and in the writing of that history from the colonial period through reconstruction. Prerequisites: RHE 102. (WI)

**HIS 265: Problems in U.S. History II: Gilded Age to Present (3)** This course examines major problems in the history of the United States and in the writing of that history from the 1870s to the present. Prerequisites: RHE 102. (WI)

**HIS 271: Christianity in History and Tradition (3)** This is a study of selected conflicts and movements within Christianity, with special focus on the critical early centuries of its development. Prerequisite: RHE 102

**HIS 291: Historiography and Historical Research (3)** This course explores the foundations of history as an academic discipline and acquaints the student with the basic skills necessary for undertaking historical research. Prerequisite: RHE 102. (S)

**HIS 315: History of the South (3)** This is an examination of the development of America's major regional subculture, including significant trends in its social, intellectual, economic and political evolution from the seventeenth century to the present. Prerequisite: RHE 102.

**HIS 318: America's National Parks (3)** A course that explores the history and literature of America's National Park system. Topics include motivations for preservation, legislative and legal foundations, writings on and inspired by the parks, and political and economic issues.

**HIS 319: Wilderness and the American Mind (3)** An intellectual history course that examines the symbolic nature of the natural world and the various manifestations of these symbols in American life and thought. Appalachian historians, poets, philosophers and novelists offer their perspectives and insights. (WI)

**HIS 328: History of Gender and Sexuality (3)** This course is designed to introduce students to the study of gender and sexuality. This includes, but is not limited to, readings and discussions on the topics of women's history, gay history, the history of sexual behavior, masculinity, femininity, transgender identities, medicalization of sexuality, and abortion. Operating from a global and often comparative framework, the course will examine these issues in a broad range of geographical locations and over a 400-year period from the 1600s to the present day.

**HIS 332: America at War (3)** A course examining the Korean and Vietnam wars, concentrating on the United States and its adjustment to leadership of the western coalition in Cold War confrontations with the Soviet Union, Communist China, North Korea and North Vietnam. Prerequisite: RHE 102.

**HIS 333: Sports History (3)** Sports History uses sport, leisure and exercise to examine power relations and cultural ideologies from the nineteenth century to the present era. Students will discuss the relationship between sport and society, through such topics as class, gender, race, politics and nationalism.

**HIS 334: Global History of Disease (3)** A survey of the major epidemics in world history and their social, cultural, political and economic impacts. The course also traces the evolution of efforts to combat disease.

**HIS 335: Autobiography as History (3)** This course explores how memoir and autobiography relate to historical and literary genres, comparative world cultures and regional and universal themes.

**HIS 350: Ancient History (3)** A topical survey of the ancient world with emphasis on the civilizations of the Near East, Greece and Rome. Prerequisite: RHE 102.

**HIS 353: African-American History (3)** This course traces African-American history from Africa through the Middle Passage, emancipation, and the long Civil Rights Movement. We will conclude with discussions of contemporary topics such as hip-hop culture, the Obama presidency and #blacklivesmatter.

**HIS 405: History of Capitalism (3)** A global survey of the history of capitalism from its origins through the 2008 financial crisis. The course focuses on the historical narrative of the expansion of capitalism as an economic and cultural system, the works of major theorists of capitalism, and recent historical scholarship on capitalism.

**HIS 421: American Civil War and Reconstruction (3)** A study of the sectional differences of the 1850s that led to secession and the Civil War. The course includes selected themes and battles and analyzes reconstruction through Grant's administration. Prerequisite: RHE 102. (WI)

**HIS 431: History of World War II (3)** An examination of World War II, 1939-1945, with an emphasis on the causes, the conduct, the nature of global and total war, and the emergence of the post-war world. Prerequisite: RHE 102.

**HIS 471: History Internship (3)** This course is an opportunity for history students to apply skills learned in the program to an internship at a historic site, museum or other workplace in the field of history. Students will become familiar with the relevant academic literature and they will be required to complete an oral and written presentation upon completion of the internship.

**HIS 499: Senior Research Seminar (3)** Required for History majors; topics will be determined by the faculty and student during the senior year. An oral presentation and written thesis will be required. Prerequisite: RHE 102. (S) (WI)

**HIS 505: History of Capitalism (3)** A global survey of the history of capitalism from its origins through the 2008 financial crisis. The course focuses on the historical narrative of the expansion of capitalism as an economic and cultural system, the works of major theorists of capitalism, and recent historical scholarship on capitalism.

**HIS 515: Readings in World History (3)** A course that covers major themes in world history such as gender, revolutions and wars, social and cultural movements, and more. Introduces students to transnational and comparative approaches to writing and teaching history.

**HIS 521: American Civil War and Reconstruction (3)** A study of the sectional differences of the 1850s that led to secession and the Civil War. The course includes selected themes and battles and analyzes reconstruction through Grant's administration.

**HIS 528: Advanced Readings in Gender History (3)** An introduction into the field of gender history with readings on the study of women's history, masculinity, and the history of sexuality.

**HIS 560: Readings in Early American History (3)** A course that covers major historiographical themes and debates in the history of Colonial and Early Republic America. Major topics include Native American History, the colonization of the New World, life in the American colonies, the American Revolution, and the Early Republic.

**HIS 565: Readings in Modern American History (3)** This course surveys modern American history by examining social, political, and cultural developments. The assigned readings will cover topics such as the Gilded Age, Progressive Era, Roaring Twenties, Great Depression, World War II, Vietnam, the rise of conservatism, and issues in the present era.

**HIS 615: Advanced Readings in Southern History (3)** An overview of both landmark classic works and recent scholarship in the History of the U.S. South and an introduction into pedagogical strategies for teaching the history of the region.

**HIS 640: Bodies in Motion: Advanced Readings in Transportation and Mobility (3)** An overview of theoretical works and primary sources on the history of human mobility. The course touches on histories of technology, sport, consumerism, race, and gender.

# Honors (HON)

**HON 291: Honors Seminar (3)** This is a honors course for students of strong academic ability. A writing-intensive, interdisciplinary course designed to develop students' ability to read critically and to think, speak and write analytically. The course will include weekly papers and class discussions. Successful completion of HON 291 meets the RHE 101 general education requirement. Prerequisite: Open to freshmen who have been accepted into the honors program and to upper-class students with permission of the Provost. (F) (WI)

**HON 392: Great Books (Honors) (3)** This course investigates selected great books. Reading selections will be books from the liberal arts and sciences that yield an important understanding and/or dimension of the human experience. Prerequisite: RHE 101 Honors or permission of the Dean of Arts, Humanities, and Education. (S) (WI)

**HON 393: Great Books II (3)** This course investigates selected great books. Reading selections will be books from the liberal arts and sciences that yield an important understanding and/or dimension of the human experience. Prerequisite: HON 392. (S)

# Human Services (HMS)

**HMS 311: Essential Skills of Human Services (3)** In this course students explore the historical development of the human services field, human services theories, the systems approach to human services, and the role of the human service professional to include: Cognitive Behavioral Therapy, Motivational Interviewing, Interviewing and Assessment, and Interprofessional Networks.

**HMS 321: Culture & Diversity (3)** This course provides students with a framework to understand, respect, and value diversity through real-life experiences and reflections. Course topics will address prejudice, cultural bias, and discrimination; religious freedom; and diversity.

**HMS 323: Personal & Professional Identity (3)** In this course students examine how self-perception is created by personal, societal, and educational influences. Topics studied will include family, community, work, education, communication, and other related topics.

**HMS 331: Social Barriers & Public Policy (3)** In this course, students assess theories and principles of conflict management and resolution. The course emphasizes how people's feelings, thoughts, and behaviors can produce interpersonal conflict, and how individual differences and diversity of cultural and familial backgrounds impact individuals' approaches to conflict. Students learn how issues become important, how groups exercise power, and how government policies are evaluated and modified.

**HMS 333: Psychopathology & Maladaptive Behavior (3)** In this course, students are provided with the basic knowledge necessary to evaluate and subsequently support and refer the various forensic populations to include: sex offenders, substance abusers, juveniles, and victims of crime.

**HMS 335: Community Resources & Intra-Professional Networks (3)** This course is an introductory course exploring human services in the well-being of a population. Topics include: Financing options and fiscal resources, health and mental health care promotion, prevention strategies, and the roles of public and private institutions.

**HMS 380: Statistics & Research Methods (3)** This course serves as an introduction to social scientific inquiry and the research design process, as well as some of the most common quantitative and qualitative research methodologies. Although key statistical concepts are covered, the focus of the course is helping students gain a conceptual understanding of the components of research procedures.

**HMS 411: Human Services Administration & Non-Profit Management (3)** Students discuss a broad range of skills and innovative approaches, including cross-agency collaboration, stakeholder communication, supervision of people and processes, creation and implementation of policies, and strategic planning and management.

**HMS 421: Navigating Relationships (3)** In this course students study the basic theories of interpersonal relations, group dynamics, and group leadership as they relate to the field of human services. Topics will include conflict management, personality types, leadership styles, and effective communication with individuals and groups.

**HMS 423: Human Services for Special Populations (3)** Special Populations is a topics course exploring health care services for special populations. The populations include clients/patients in the following groups: those with mental health issues, substance addiction, in rehabilitation, geriatric populations, and clients/patients utilizing selected specialty services.

**HMS 431: Aging, Ageism & End of Life (3)** This course is designed to aid students' understanding of the many dimensions of aging and end of life, in order to become empathic communicators and effective human services providers. Students examine the personal and social attitudes and responses to aging in society, in particular the challenges faced as a result of ageism (caregiving, employment, chronic illness and pain management, self-image, healthcare, self-care, media, housing, influence, and economic resources).

**HMS 441: Leadership & Advocacy (3)** This course is designed to enhance students' understanding of the responsibility of human services professionals to foster social change; provide leadership and services; and advocate for their community, clients, colleagues, and profession.

**HMS 471: Human Services Internship (3)** This course is a closely supervised internship to be initiated by the student and approved by the instructor. The internship may be in various areas that fall under the human services umbrella. Familiarity with current related literature, a term paper and an oral presentation will be required. The internship supervisor will conduct periodic evaluations.

**HMS 472: Human Services Work Experience (3)** This course is designed for students who are currently working in the human services field, or have worked in the field during the last five years. Course requirements include a portfolio to verify their employment and evidence to demonstrate how programmatic goals apply to the individual's work experience. Students who meet this professional work experience criteria enroll in HMS 472 instead of HMS 471 Human Services Internship.

**HMS 499: Human Services Senior Research Seminar (3)** This course synthesizes information and experiences gathered over the course of the Bachelor of Science in Human Services program. Students will identify a human service gap in their local area and develop a detailed proposal for addressing the needs of the client population who are affected. This will include a background literature review, description of the problem area and the history of the community's response, and a detailed plan for addressing the gap with attention given to multicultural considerations.

# Humanities (HUM)

**HUM 231: Advanced Research and Composition (3)** This course further develops research and composition skills learned in Rhetoric 101 and 102, with emphasis on research, planning and execution of an extensive writing project. Prerequisite: RHE 102. (WI)

# Lifetime Health and Fitness (LHF)

**LHF 102/ORM 102: Outdoor Living Skills (3)** Students will learn the technical skills of outdoor living, develop curriculum plans, teach lessons, and practice skill progression. Topics will include living skills such as: Gear packing, camping skills, stove usage, cooking and nutrition, sanitation and hygiene, and fire building. Field safety skills will include: Bear precautions, backcountry lightening procedures, and search and rescues techniques. Backcountry travel curriculum will include: Trail technique, navigation, route planning, river crossings, weather, and astronomy. Environmental ethics will be discussed and the course offers a Leave No Trace Trainer certification; participation in the course does not guarantee certification. Field-trip required. An additional fee is required. Prerequisite: ORM 101.

**LHF 107: Yoga I (1)** This course is an introduction to the basics of yoga. The primary emphasis is on correct alignment in various asanas (poses). Time is also spent on learning how to develop a home practice which is a requirement for the class. The student must provide or purchase a yoga mat and strap. (F, S)

**LHF 108: Yoga II (1)** This course is a more in-depth practice of yoga than a beginning course. Emphasis is placed on inversions, backbends and various pranayama techniques. The students must provide or purchase a yoga mat and strap. (F, S)

**LHF 118: Golf (2)** This is a basic course with emphasis upon the skills needed to play and enjoy golf as a lifelong recreational activity. An additional fee is required. (F)

**LHF 156: Weight Training (1)** This is a basic course in techniques of weight training with emphasis on strength and power development. (F, S)

**LHF 207: Pilates (1)** Mat Pilates is a low impact, non-cardio, yet challenging class utilizing the principles of Joseph Pilates. Mat exercises focus on strengthening the core as well as full body toning and sculpting. Pilates increases flexibility, balance and core stabilization while cultivating breath awareness and mind-body connection. (F, S)

**LHF 208: Hiking Yoga (2)** The course will combine components of hiking and yoga exercise. Taking guided hikes on trails surrounding the LMC campus, students will learn about local flora and fauna, basic map reading and outdoor survival skills. Upon reaching the destination, students will practice an hour session of yoga to stretch, strengthen and cleanse their bodies of tension. Meditation and breathing techniques will be practiced to deepen their experience of the natural world around them. (F)

**LHF 218: Advanced Golf (2)** A course with emphasis upon improving the skills needed to play and enjoy golf as a lifelong recreational activity. An additional fee is required. (F)

**LHF 221: Racquet Sports (1)** This course is designed to introduce students to sports that are played with racquets such as tennis, badminton and pickle ball. Students will learn game history and rules. Emphasis will be placed on improvement of introductory and advanced sport skills and techniques. Each unit, students will participate in games and tournaments to utilize newly acquired and refined sport skills. (F)

**LHF 222: Advanced Racquet Sports (1)** This course is divided into three sections Tennis, Table Tennis, and Badminton. Students will be instructed on rules, as well as in advanced strategies and techniques of each sport. It is expected students will have completed LHF 221: Racquet Sports or be waived into this by permission of instructor, based on the student's skills, experience, and expertise.

**LHF 223/ORM 223: Fly Fishing (2)** In the course the student will acquire the knowledge, skills, and tactics that they will use to problem solve in the constantly changing natural environment. Instruction /participation will include, but is not limited to, the following topics: conditioning, basic fly tying, tying local patterns, conservation techniques, equipment use/care/selection, fly casting, aquatic entomology, stream hydrology, interpretation of fly fishing opportunities, fly fishing-tactics, basic knots, and field trips to local streams. There are several unique features surrounding the fly fishing course that should be noted. Because of the geologic location of Lees-McRae College, we are located near many of the premiere fly fishing streams. We use these streams for our weekly field trips to apply what is learned and enhance the basic understanding of the sport. Field trips and additional fees are required.

**LHF 225/ORM 225: Rafting (2)** This course will provide students with an understanding of whitewater travel by rafting. Topics will include: Boat control and efficient rowing, raft maneuvers, equipment, loading, expedition planning and behavior, and rescues techniques. Field trips and additional fees are required.

**LHF 231/ORM 231: Rock Climbing (2)** This course provides the opportunity for students to learn many of the skills necessary to enjoy the adventurous sport of rock climbing. The course will include instruction for bouldering, top rope climbing skills, repelling, climbing site risk management, basic anchor construction, equipment use and basic climbing technique. The course will take place on the Lees-McRae College indoor climbing wall and at area real rock sites during optional rock climbing trips (F, S)

**LHF 235/ORM 235: Mountain Biking (2)** The course will combine a series of indoor lectures with practical outdoor riding experiences on trails located on the Lees-McRae College campus. Course topics include: riding techniques, clothing, equipment, safety, on-trail bike maintenance, and environmental concerns. Field trips and additional fees are required if the following equipment is needed: mountain bike, helmet, and tire repair kit.

**LHF 237/ORM 237: Skiing and Snowboarding (1)** This is a course of instruction in the skills of snow skiing and snowboarding. Students are placed in classes appropriate to level of ability. Students must provide their own transportation to the ski site. An additional fee is required. (S)

**LHF 239/ORM 239: Adaptive Adventure Recreation (2)** This course provides students with an understanding of inclusion and its application to the design and delivery of outdoor programs and services. This is accomplished through modifications in equipment and programming. The areas of paddling, climbing, cycling and skiing will be covered. Students will have the opportunity to utilize specialized equipment, as well as learn techniques for teaching and leading activities for specialized populations. There are several unique features surrounding this course that should be noted. Through local partnerships students will be able to access the areas of Camp Holston, Beech Mountain and more utilizing specialized equipment provided by Catalyst Sports – Boone Chapter. Field trips and additional fees are required.

**LHF 256: Cardio Core Conditioning (1):** Cardio Core Conditioning focuses on strengthening the muscles of the torso including abdominals, back muscles, gluteus and hip rotators using body weight exercises. This class also provides internals of cardiovascular training to enhance aerobic fitness. Cardio work includes various agility drills and aerobic exercises in which arms and legs move rhythmically while breath rate and heart rate increase. (F, S)

**LHF 266: Advanced Weight Training (1)** This is an advanced course in techniques of weight training with emphasis on strength and power development. Prerequisite: LHF 156 or permission of instructor (F, S)

**LHF 281: Swimming (1)** This is a course of instruction in swimming leading to lifeguard certification. Students will develop swimming skills as well as complete blended online training for CPR, basic first aid, oxygen administration certifications for lifeguard certification. Students will complete some work via an online platform. The lifeguard certification program requires written and physical test. This class meets at the Williams YMCA of Avery County, 8.74 miles from campus. Students are responsible for their own transportation. There is a course fee to cover certification costs. (F, S)

**LHF 288: Special Topics (1)** Topics determined by program faculty

**LHF/ORM 302: Wilderness First Aid (1)** The Wilderness First Aid (WFA) course will help students prepare for the unexpected. This fast paced, hands-on training is designed to meet the needs of trip leaders, camp staff, outdoor enthusiasts and individuals working in remote locations. It will introduce students to caring for people who become ill or injured far from definitive medical care. Classroom lectures and demonstrations are combined with realistic scenarios where mock patients will challenge you to integrate your learning. Taught by NOLS Wilderness Medicine Instructors in a two-day format, held on a weekend in April.

**LHF/ORM 310: League of American Bicyclists Smart Cycling (1)** Part I of this course is the League of American Bicyclists, Smart Cycling COMPLETE program. This program is designed to develop the craft and science of bicycling—the ability to use a bicycle with confidence and competence for pleasure, utility or sport under various highway, climate, terrain and traffic conditions. During this course you will learn traffic law, bicycle handling, how to conduct bicycle safety checks, on-bike skills and crash avoidance techniques. For beginning or novice riders, this course combines classroom discussion/activities and on-road practice to instruct students in the practice of vehicular-style bicycling and overcoming the fear of riding in traffic. Learning the techniques in this class will allow you to ride more confidently and more often while having more fun. Smart Cycling COMPLETE (formerly called Traffic Skills 101) is a prerequisite for becoming a League Certified Instructor (LCI) candidate. Part II of this course will take place after Part I and will comprise of 7 hours. During this segment we will CRANK it up with a focus on camaraderie, riding, advocacy, nature, and bicycling knowledge specific to Lees-McRae College.

**LHF/ORM 321: Leave No Trace Master Educator (2)** This course provides students with a comprehensive overview of Leave No Trace skills and ethics through practical application in a field-based setting. It is run as a combination of a one-day classroom component, three-day/two-night field component and one-day community outreach opportunity. Students will practice Leave No Trace teaching strategies by delivering lesson plans and activities. The Master Educator course prepares students to deliver two-day Leave No Trace Trainer courses and one-day or shorter Awareness Workshops. Course completion results in Master Educator certification with the Leave No Trace Center for Outdoor Ethics.

**LHF/ORM 337: Ski & Snowboard Instructor (3)** This course will cover teaching, learning, riding, and children's teaching concepts preparing you to become a ski or snowboard instructor. This course combines riding, teaching, and training. Training comes in the form of reading, participation, clinics, teaching students, and video analysis. This course requires additional teaching requirements at Beech Mountain's Ski School throughout the ski season. Intermediate ski or snowboarding skills required. Instructor permission required. A PSIA-AASI membership is required and can be obtained before the course begins. Additional fees are required and

include a season pass to Beech Mountain.

**LHF/ORM 339: National Ski Patrol Certification Prep (3)** The National Ski Patrol Certification Prep course enables intermediate skiers and snowboarders with medical skills to gain skills and knowledge in preparation to pass the National Ski Patrol Exam, gaining employment opportunities at commercial resorts. The course consists of five core modules: Area operations and risk management; emergency care; lift evacuation and rope knowledge; skiing/snowboarding; and toboggan handling. Course work will take place at Beech Mountain Ski Resort. This program requires independent training and advanced research in order to complete the modules and obtain the certification. The National Ski Patrol Exam is not included in this class and must be taken at a later date. Additional fees are required and cover a season pass to Beech Mountain.

# Literature (LIT)

**LIT 220: British Literature: Major Authors (3)** This is a careful study of selected works of major British authors from the middle ages to the modern era. Prerequisite: RHE 101. (F S)

**LIT 230: American Literature: Major Authors (3)** In this course, students will become familiar with the major authors and works in American literature and will be able to critically discuss the works in spoken and written discourse. Prerequisite: RHE 101. (F S)

**LIT 240: World Literature: Major Authors (3)** In this course, students will become familiar with the major authors and works in the literature of authors from outside the United States and Britain. Prerequisite: RHE 101. (F)

**LIT 251: Wilderness Literature (3)** Students will read and develop understanding of canonical and non-canonical works in which wilderness plays an integral part. Students will be able to engage in spoken and written discourse about these works. Prerequisite: RHE 101 and 102.

**LIT 288: Special Topics (3)** Topics determined by the program faculty and provided to enhance the student's educational experience. Permission of Dean required.

**LIT 318: America's National Parks (3)** A course that explores the history and literature of America's National Park system. Topics include motivations for preservation, legislative and legal foundations, writings on and inspired by the parks, and political and economic issues.

**LIT 320: Shakespeare (3)** This is a study of representative comedies, tragedies, histories and sonnets by Shakespeare. Prerequisite: Any literature course at the 200 level. (S Even)

**LIT 330: Business Ethics and Literature (3)** This course is an examination of selected works of (mostly) American literature, mainly in the twentieth century, set in the business world and containing themes rising from ethical situations inherent in that setting. Prerequisite: RHE 101.

**LIT 331: Appalachian Literature (3)** This course is designed to introduce students to the literature by and about the Southern mountaineer. Some attention to the region's unique culture, speech and music. Emphasis upon the works of Still, Arnow, Caudill, Wolfe, Fox, Dykeman, Kephart, Stuart and others. Written and oral reports required. Prerequisite: RHE 101.

**LIT 333: The Feminine Voice in Appalachia (3)** Women writers in Appalachia are often viewed as Regional Writers, their contributions excluded from the broader context of American literature. A closer review, however, finds themes within these works that cover the entire scope of individual experience, wielding literary force as well as political and social influence. This course examines those works and their place in the American Literary canon. Reading will include novels, short stories, essays and poems. Prerequisite: RHE 101 and 102.

**LIT 335: African American Literature (3)** In this course, students will develop an understanding of the development of writing by African-Americans in the United States from the colonial period to the present day. Students will be able to contextualize this writing historically, socially and artistically, and will be able to participate in the spoken and written critical discourse of literary studies surrounding these works. Assessment will include the evaluation of spoken and written discourse. Prerequisite: RHE 101.

**LIT 340: Contemporary World Literature (3)** In this course, students will have an understanding and appreciation of contemporary non-western literatures in translation including canonical works, works emerging on the literary scene and those considered non-canonical. Students will be able to participate in the spoken and written critical discourse of literary studies surrounding these works. Assessment will include the evaluation of spoken and written discourse. Prerequisite: RHE 101.

**LIT 342: Introduction to Literary Theory (3)** In this course, students will gain an understanding of the major theoretical and critical schools of thought in the study of literature from the classical era through the present and will be able to apply these theoretical frameworks to a variety of literatures. Prerequisite: Any Literature course at the 200 level.

**LIT 343: Women in Literature (3)** Students will participate in the discourse and understanding of the role gender plays in the creation and interpretation of works of canonical, non-canonical and emerging writers, western and non-western. Prerequisite: Any literature course at the 200 level.

**LIT 423: Nineteenth Century British Literature (3)** An in-depth study of the English Romantic and Victorian periods. Emphasis on Burns, Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold and other selected authors. Prerequisite: RHE 101.

**LIT 424: Twentieth Century Literature (3)** This course surveys American, British and other western literatures during the twentieth century, concentrating on the ideal of a uniquely “modern” identity as being shaped against the realities of the natural world, evolving social and economic systems, technological advancements, war and social unrest, and struggles over the increasingly important questions of gender and race. Prerequisite: RHE 101.

**LIT 425: 17<sup>th</sup> and 18<sup>th</sup> Century British Literature (3)** A study of significant British authors from 1600 to 1800, including such writers as John Milton, John Donne, Sir Thomas Browne, Andrew Marvell, Dryden, Swift, Pope, Johnson, John Gay, Defoe and Fielding. Graduate-level students engage in critical thought, inquiry, and assessment of course concepts with an eye towards application and far transfer. In addition, supplemental reading materials and associated assignments will require reflection and synthesis of concepts through deep analysis. Prerequisite: RHE 101.

**LIT 432: 18<sup>th</sup> and 19<sup>th</sup> Century American Literature (3)** This course surveys American literature from the American colonial period through the late nineteenth century, concentrating on the ideal of a uniquely “American” identity as being shaped against the realities of the natural world, evolving American social and economic systems and struggles over the increasingly important questions of gender and race. Prerequisite: RHE 101.

**LIT 461: The Art of Biblical Narrative (3)** This course focuses on an analysis of plot, characterization and rhetorical strategies of select Biblical passages. Prerequisites: REL 114, any literature course at the 200 level.

**LIT 488 Special Topics (3)** Selected topics as determined by the English faculty. Prerequisite: Any course in LIT and permission of the Dean.

**LIT 523: Nineteenth Century British Literature (3)** An in-depth study of the English Romantic and Victorian periods. Emphasis on Burns, Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold and other selected authors.

**LIT 524: Twentieth Century Literature (3)** This course surveys American, British and other western literatures during the twentieth century, concentrating on the ideal of a uniquely “modern” identity as being shaped against the realities of the natural world, evolving social and economic systems, technological advancements, war and social unrest, and struggles over the increasingly important questions of gender and race.

**LIT 525: 17<sup>th</sup> and 18<sup>th</sup> Century British Literature (3)** A study of significant British authors from 1600 to 1800, including such writers as John Milton, John Donne, Sir Thomas Browne, Andrew Marvell, Dryden, Swift, Pope, Johnson, John Gay, Defoe and Fielding.

**LIT 532: 18<sup>th</sup> and 19<sup>th</sup> Century American Literature (3)** This course surveys American literature from the American colonial period through the late nineteenth century, concentrating on the ideal of a uniquely “American” identity as being shaped against the realities of the natural world, evolving American social and economic systems and struggles over the increasingly important questions of gender and race.

**LIT 600: Studies in the Novel (3)** This course explores the novel, focusing on special topics in the genre with attention to the theory of fiction.

**LIT 601: Studies in Poetry (3)** This course explores poetry, focusing on special topics in the genre with attention to the theory of poetry.

# Mathematics (MAT)

**MAT 111: College Mathematics with Applications (3)** This course will focus on the fundamentals of algebra, systems of linear equations, mathematics of finance, combinatorics, set theory, probability and statistics. Prerequisite: SSC 105 or placement as determined by high school mathematics background, SAT/ACT scores, and a math placement test. (F, S)

**MAT 112: College Algebra (3)** This course will focus on algebraic expressions, performing algebraic operations, solving equations, formulas and inequalities. The following topics are also covered: linear and quadratic functions, their graphs and applications; exponential and logarithmic functions and their applications; and trigonometry and its applications. Prerequisite: SSC 105 or placement as determined by high school mathematics background, SAT/ACT scores, and a math placement test. (F, S)

**MAT 116: Precalculus (3)** In this course, scientific graphic calculators will be used to study concepts, properties, graphs and applications of the following functions: linear, quadratic, polynomial, rational, exponential, logarithmic and trigonometric. Prerequisite: MAT 112 or placement by the College. (S)

**MAT 117: Calculus I (5)** This course is the first semester of a three-semester sequence in calculus. Topics include limits, continuity, derivatives, antiderivatives and the Fundamental Theorem of Calculus. Prerequisite: MAT 116 or placement by the College. (F)

**MAT 215: Statistics (3)** This is an introductory study of descriptive and inferential statistics to include organization and presentation of data, probability, distributions, hypothesis testing, estimation, regression and analysis of variance. Prerequisite: MAT 112 or higher level math course. (F, S)

**MAT 220: Calculus II (5)** This course is the second semester of the calculus sequence. Topics include the antiderivative, indefinite and definite integral, the Fundamental Theorem of Calculus. Applications, approximations and error will be thoroughly discussed. Prerequisite: MAT 117.

**MAT 227: Calculus III (5)** This course is the culminating course of the calculus sequence. Topics will include methods of integration, an introduction to differential equations, sequences, series and functions of several variables. Short Maple software programs will be written to aid in computation. Prerequisite: MAT 220.

**MAT 301: Linear Algebra (3)** In this course, topics of study include equivalence relationships; groups, subgroups, normal subgroups, quotient groups; rings, subrings, ideals, quotient rings; rings of integers; fields of rational, real and complex numbers; and polynomial rings. Prerequisite: MAT 227.

**MAT 302: Discrete Mathematics (3)** This course studies the mathematical elements of computer science including propositional logic, predicate logic, sets, functions and relations, combinatorics, mathematical induction, recursion, algorithms, matrices, graphs, trees and Boolean logic.

**MAT 329: Differential Equations (3)** This is an introductory course in ordinary differential equations. Topics include classification and application of ODE's; systems of ODE's; numerical and exact solutions; and series and convergence tests. Prerequisite: MAT 227. Co-requisite: MAT 301.

# Nursing (NUR)

**NUR 188: Focused Review (2)** In this course, the student will have an opportunity for individualized, focused, integrated review of didactic, laboratory and clinical content. Case studies and NCLEX style questions will be reviewed and rationale discussed to facilitate student preparation for successful transition into clinical practice.

**NUR 201: Introduction to Professional Nursing (2)** This course introduces students to the culture of professional nursing. Academic, professional, and personal success planning are discussed and facilitated. The role of theory, history, and standards of practice are introduced in addition to beginning safety, quality, and evidence-based practice concepts. An introduction to the nursing process provides a decision-making framework to assist students in developing effective clinical judgment skills. (WI)

**NUR 202: Biological and Pharmacologic Basis of Disease (4)** This course focuses on the altered processes of human physiology. An emphasis is placed on exploring changes in the biological processes of the body with subsequent clinical manifestations and treatment. Principles of pharmacology, drug classification, and nursing care related to the safe administration of medications to patients across the lifespan is also introduced.

**NUR 212: Health and Wellness Assessment Across the Lifespan (5)** This course provides the framework for preparing students to perform comprehensive health assessments across the lifespan. Emphasis is placed on taking a thorough history and performing physiological, psychological, sociological, cultural, and spiritual assessments. Health and wellness will also be discussed. Laboratory experiences provide an opportunity to practice assessment skills.

**NUR 220: Patient-Centered Care Across the Lifespan-Foundations (5)** This course focuses on the care of adult patients with health alterations that require medical and/or surgical intervention. Emphasis is placed on alterations in selected body functions. Concepts of patient centered care, cultural sensitivity, informatics, safe practice, and professionalism are integrated throughout the course. Clinical experiences provide the student the opportunity to apply theoretical concepts and implement safe patient care to adults in a variety of settings.

**NUR 288: Focused Review (3)** In this course, the student will have an opportunity for individualized, focused, integrated review of didactic, laboratory and clinical content. Case studies and NCLEX style questions will be reviewed and rationale discussed to facilitate student preparation for successful transition into clinical practice.

**NUR 312: Patient-Centered Care Across the Lifespan-Intermediate (5)** This course focuses on the care of adult patients with medical and/or surgical health alterations. Emphasis is placed on alterations in selected body functions. Concepts of health promotion, health education, evidence based practice, and interdisciplinary collaboration will be integrated throughout the course. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe care to patients and selected groups in a variety of settings.

**NUR 330: Gerontological Nursing (3)** This course provides an introduction to the care of older adults with special focus given to their unique physiological and psychosocial needs. Emphasis is placed on promoting healthy aging and the retention of functional ability. Aspects of safety and end-of-life are introduced. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe and effective care to older adults in selected settings.

**NUR 340: Psychosocial Nursing (3)** This course focuses on the care of patients across the lifespan experiencing cognitive, mental and behavioral disorders. Emphasis is placed on management of stressors as well as promoting and maintaining the mental health of individuals, families, and populations. Crisis intervention, therapeutic communication, anger management, and coping skills are key concepts explored throughout the course. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe, quality care to patients in selected mental health settings.

**NUR 342: Nursing Inquiry, Informatics and Technology (3)** This course provides an overview of nursing informatics as it relates to the provision of safe, quality, patient-centered care. Emphasis is placed on locating, accessing, appraising, and using information to inform evidence-based, professional decisions. The use of information management systems in the collection, management, and communication of patient data as well as the maintenance of patient privacy and confidentiality is highly stressed.

**NUR 350: Family-Centered Care (5)** This course provides an integrative, family-centered approach to the care of mothers, newborns, and children. Emphasis is placed on normal and high-risk pregnancies, growth and development, family dynamics, common pediatric disorders, and the promotion of positive, lifelong health behaviors. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe, quality patient care to mothers, newborns, and children in selected settings.

**NUR 352: Evidence-Based Practice and Nursing Research (3)** This course is designed to promote evidence-based, clinical

decision-making through the exploration and integration of current scientific evidence. Focus is placed on the analysis and synthesis of evidence to answer clinical questions relevant to professional nursing practice. (WI)

**NUR 388: Focused Review (2)** In this course, the student will have an opportunity for individualized, focused, integrated review of didactic, laboratory and clinical content. Case studies and NCLEX style questions will be reviewed and rationale discussed to facilitate student preparation for successful transition into clinical practice.

**NUR 401: Leadership and Management in Professional Nursing Practice (3)** This course focuses on the knowledge and skills needed to be a contributing member of an interprofessional healthcare team. The development of transformational leadership skills and techniques needed to coordinate the provision of safe, quality, patient-centered care are explored. Emphasis is placed on professional behaviors, communication, collaboration, conflict mediation, delegation, and ethical, evidence-based decision-making.

**NUR 406: Community and Population-Centered Care (5)** This course is designed to introduce students to nursing care of individuals, families, communities, aggregates, and populations. Principles and practices of community health and social justice are discussed. Emphasis is placed on assessing factors that influence the health of populations. Evidence-based practices in the delivery of holistic, culturally appropriate health promotion and disease prevention are emphasized. Clinical projects provide the student an opportunity to apply theoretical concepts and implement safe, quality care to individuals, families, communities, aggregates, and populations. (WI)

**NUR 420: Patient-Centered Care Across the Lifespan-Advanced (6)** This course focuses on advanced concepts of nursing care as they relate to patients across the lifespan with complex, multisystem alterations in health. Emphasis is placed on implementing time management and organizational skills while managing the care of patients with multiple needs and collaborating with the interdisciplinary team. Complex clinical skills, as well as priority setting, clinical judgment, and tenets of legal and ethical practice, are integrated throughout the course. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe care to patients and selected groups in a variety of settings.

**NUR 450: Transition into Professional Nursing Practice (3)** This course will review contemporary issues in professional practice, including social, political, organizational, legal, and ethical factors. The politics of healthcare is discussed and current issues are critically analyzed in relation to their influence on the nursing professional and practice.

**NUR 456: Comprehensive Professional Review (2)** In this course, the student will have an opportunity to prepare for employment as a professional nurse, understand the importance of life-long learning and review for the NCLEX licensing exam. Individualized plans for success will be initiated.

**NUR 488: Focused Review (3)** In this course, the student will have an opportunity for individualized, focused, integrated review of didactic, laboratory and clinical content. Case studies and NCLEX style questions will be reviewed and rationale discussed to facilitate student preparation for successful transition into clinical practice.

**NUR 499: Professional Nursing Capstone (2)** The purpose of this course is to provide the student the opportunity to function as a contributing member of the interprofessional team and collectively apply the knowledge and practice the skills acquired in previous courses. Students will be given the opportunity to provide care to a caseload of patients that is safe, evidence-based, patient-centered, and focused on promoting positive patient outcomes. Emphasis is placed on demonstration of professional behaviors, communication that supports information exchange, collaboration and conflict mediation, ethical comportment and the ability to effectively use leadership skills. (WI)

# Outdoor Recreation Management (ORM)

**ORM 101: Introduction to Outdoor Recreation (3)** This introductory level course is designed as an overview of the historical background, theoretic underpinnings, and philosophical perspectives of outdoor recreation. Students will research, explore, and discover professional competencies and vast career opportunities within the field of outdoor recreation including outdoor education schools, higher education administration, outdoor-related businesses, environmental education, experiential education, outdoor adventure/guiding services, non-profit, camping industry, adaptive sports, therapeutic recreation, and municipal parks and recreation.

**ORM 102/LHF 102: Outdoor Living Skills (3)** Students will learn the technical skills of outdoor living, develop curriculum plans, teach lessons, and practice skill progression. Topics will include living skills such as: Gear packing, camping skills, stove usage, cooking and nutrition, sanitation and hygiene, and fire building. Field safety skills will include: Bear precautions, backcountry lightening procedures, and search and rescues techniques. Backcountry travel curriculum will include: Trail technique, navigation, route planning, river crossings, weather, and astronomy. Environmental ethics will be discussed and the course offers a Leave No Trace Trainer certification; participation in the course does not guarantee certification. Field-trip required. An additional fee is required. Prerequisite: ORM 101.

**ORM 201: Group Dynamics and Facilitation (3)** This course will study theories and principles of experiential education including: group dynamics, problem solving, decision making, communication skills, and conflict resolution. Students will develop facilitation skills, explore teaching techniques, approaches, and strategies specific to an outdoor setting. Field-trip required.

**ORM 220: Kayaking and Canoeing (2)** An introduction to flatwater kayaking and canoeing. Course topics include: kayak and canoe technical skills; equipment management; trip planning; hazard recognition; and rescue skills. Field trips and additional fees are required.

**ORM 223/LHF 223: Fly Fishing (2)** In the course the student will acquire the knowledge, skills, and tactics that they will use to problem solve in the constantly changing natural environment. Instruction /participation will include, but is not limited to, the following topics: conditioning, basic fly tying, tying local patterns, conservation techniques, equipment use/care/selection, fly casting, aquatic entomology, stream hydrology, interpretation of fly fishing opportunities, fly fishing-tactics, basic knots, and field trips to local streams. There are several unique features surrounding the fly fishing course that should be noted. Because of the geologic location of Lees-McRae College, we are located near many of the premiere fly fishing streams. We use these streams for our weekly field trips to apply what is learned and enhance the basic understanding of the sport. Field trips and additional fees are required.

**ORM 225/LHF 225: Rafting (2)** This course will provide students with an understanding of whitewater travel by rafting. Topics will include: Boat control and efficient rowing, raft maneuvers, equipment, loading, expedition planning and behavior, and rescues techniques. Field trips and additional fees are required.

**ORM 231/LHF 231: Rock Climbing (2)** This course provides the opportunity for students to learn many of the skills necessary to enjoy the adventurous sport of rock climbing. The course will include instruction for bouldering, top rope climbing skills, repelling, climbing site risk management, basic anchor construction, equipment use, and basic climbing technique. The course will take place on the Lees-McRae College indoor climbing wall and at area real rock sites during optional rock climbing trips. Field trips and additional fees are required.

**ORM 232: Challenge Course/Canopy Tour/Zipline Skills (2)** The major focus of this course is to provide students with the opportunity to gain the skills and knowledge that help them become more effective, confident, competent, and sage challenge course leaders. Course topics include: challenge course procedures; safety systems and standards; maintenance and inspections, and facilitation of both low and high ropes programs. Students will work with on-campus groups to provide team building programs. Field trips and additional fees are required.

**ORM 233: Hiking and Backpacking (2)** This course provides students with an exciting “hands-on” opportunity to learn about and experience a variety of outdoor adventure skills and activities related to hiking, backpacking, and camping. These skills include hiking and trail technique; backpacking equipment selection and use; campsite selection; camping skills; map and compass usage; and leave no trace outdoor ethics principles. Field trips and additional fees are required.

**ORM 235/LHF 235: Mountain Biking (2)** The course will combine a series of indoor lectures with practical outdoor riding experiences on trails located on the Lees-McRae College campus. Course topics include: riding techniques, clothing, equipment, safety, on-trail bike maintenance, and environmental concerns. Field trips and additional fees are required if the following equipment is needed: mountain bike, helmet, and tire repair kit.

**ORM 237/LHF 237: Skiing and Snowboarding (2)** This is a course of instruction in the skills of snow skiing and snowboarding. Students are placed in classes appropriate to level of ability. Students must provide their own transportation to the ski site. Field trips and additional course fees are required.

**ORM 239/LHF 239: Adaptive Adventure Recreation (2)** This course provides students with an understanding of inclusion and its application to the design and delivery of outdoor programs and services. This is accomplished through modifications in equipment and programming. The areas of paddling, climbing, cycling and skiing will be covered. Students will have the opportunity to utilize specialized equipment, as well as learn techniques for teaching and leading activities for specialized populations. There are several unique features surrounding this course that should be noted. Through local partnerships students will be able to access the areas of Camp Holston, Beech Mountain and more utilizing specialized equipment provided by Catalyst Sports – Boone Chapter. Field trips and additional fees are required.

**ORM 241: Advanced Rock Climbing (2)** This course is designed for individuals who have prior skills in rock climbing and are looking to further increase their skill level. The course will cover advanced rock climbing techniques and topics including: Lead climbing, anchor building, advanced knot tying, and rescue skills. Advanced safety and management of climbing sites will be included. Field trips and additional fees are required. Prerequisite: ORM 231 Rock Climbing or permission of instructor.

**ORM 249: Winter Adaptive Adventure Recreation (2)** This course provides students with an understanding of inclusion and its application to the design and delivery of outdoor programs and services specific to winter sports. This is accomplished through modifications in equipment and programming. Students will have the opportunity to utilize specialized equipment such as a mono and bi-ski, as well as learn techniques for teaching and leading activities for specialized populations. There are several unique features surrounding this course that should be noted. Through local partnerships students will be able to access the areas of Beech Mountain utilizing specialized equipment provided by Catalyst Sports —Boone Chapter. Additional fees are required and students must provide their own transportation to Beech Mountain.

**ORM 288: Special Topics (3)** Topics are determined by the ORM faculty and provide the student with an opportunity to study and research in various subject areas.

**ORM 299: Outdoor Leadership Skills (3)** Introduces the development, acquisition, and application of leadership skills and knowledge to the outdoor setting. Focus on outdoor leadership theory, tolerance for adversity and uncertainty, and valuing diversity. Examines principles and strategies used for outdoor recreation career planning including: resume writing, interview and presentation skills; internship, employment, and graduate school opportunities. Field trip required. (WI)

**ORM 301: Outdoor Skills Pedagogy (2)** This course will function similar to a Teaching Assistant position for an Outdoor Recreation Management Skill Fundamentals course. This course is for students who have intermediate or advanced outdoor technical skills in a specific skill set, who are seeking experience in teaching technical skills. Only one student per Outdoor Skill Fundamental course is allowed. This course will provide students the opportunity to lesson plan, teach, and evaluate under the leadership of an ORM faculty member. Prerequisite: ORM 201. Instructor and Program Coordinator permission required. An additional fee is required.

**ORM/LHF 303: Wilderness First Aid (1)** The Wilderness First Aid (WFA) course will help students prepare for the unexpected. This fast paced, hands-on training is designed to meet the needs of trip leaders, camp staff, outdoor enthusiasts and individuals working in remote locations. It will introduce students to caring for people who become ill or injured far from definitive medical care. Classroom lectures and demonstrations are combined with realistic scenarios where mock patients will challenge you to integrate your learning. Taught by NOLS Wilderness Medicine Instructors in a two-day format, held on a weekend in April.

**ORM 305: Wilderness First Responder (3)** This is a nationally recognized program that trains participants to respond to emergencies in remote settings. The 80-hour curriculum, taught in a 9-day format, includes standards for urban and extended care situations. Special topics include but are not limited to: wound management and infection, realigning fractures and dislocations, improvised splinting techniques, patient monitoring and long term management problems, up-to-date information on all environmental emergencies, plus advice on drug therapies. Emphasis is placed on prevention and decision-making, not the memorization of lists. This course is designed specifically to provide you with the tools to make critical medical and evacuation decisions in remote locations. Half of your time will be spent completing practical skills, case studies and scenarios designed to challenge your decision making abilities. Adult CPR is included in this course.

**ORM/LHF 310: League of American Bicyclists Smart Cycling Certification (1)** Part I of this course is the League of American Bicyclists, Smart Cycling COMPLETE program. This program is designed to develop the craft and science of bicycling—the ability to use a bicycle with confidence and competence for pleasure, utility or sport under various highway, climate, terrain and traffic conditions. During this course you will learn traffic law, bicycle handling, how to conduct bicycle safety checks, on-bike skills and crash avoidance techniques. For beginning or novice riders, this course combines classroom discussion/activities and on-road practice to instruct students in the practice of vehicular-style bicycling and overcoming the fear of riding in traffic. Learning the techniques in this class will allow you to ride more confidently and more often while having more fun. Smart Cycling COMPLETE (formerly called Traffic Skills 101) is a prerequisite for becoming a League Certified Instructor (LCI) candidate. Part II of this course will take place after Part I and will comprise of 7 hours. During this segment we will CRANK it up with a focus on camaraderie, riding, advocacy, nature, and bicycling knowledge specific to Lees-McRae College.

**ORM 315: Outdoor Recreation Administration (3)** Examines the principles and practices of supervision and management of outdoor recreation programs. Introduces fundamental principles and techniques for planning, supervising, staffing, and budgeting

for outdoor recreation programs. Topics include program design, facility management, fiscal management, access to public lands and permitting. Program logistics, staff recruiting, supervision and training will also be covered. Students prepare to design and implement outdoor recreation programs at appropriate outdoor sites for various agencies, organizations, and audiences. Field-trip required.

**ORM/LHF 321: Leave No Trace Master Educator (2)** This course provides students with a comprehensive overview of Leave No Trace skills and ethics through practical application in a field-based setting. It is run as a combination of a one-day classroom component, three-day/two-night field component and one-day community outreach opportunity. Students will practice Leave No Trace teaching strategies by delivering lesson plans and activities. The Master Educator course prepares students to deliver two-day Leave No Trace Trainer courses and one-day or shorter Awareness Workshops. Course completion results in Master Educator certification with the Leave No Trace Center for Outdoor Ethics.

**ORM/LHF 337: Ski & Snowboard Instructor (3)** This course will cover teaching, learning, riding, and children's teaching concepts preparing you to become a ski or snowboard instructor. This course combines riding, teaching, and training. Training comes in the form of reading, participation, clinics, teaching students, and video analysis. This course requires additional teaching requirements at Beech Mountain's Ski School throughout the ski season. Intermediate ski or snowboarding skills required. Instructor permission required. A PSIA-AASI membership is required and can be obtained before the course begins. Additional fees are required and include a season pass to Beech Mountain.

**ORM/LHF 339: National Ski Patrol Certification Prep (3)** The National Ski Patrol Certification Prep course enables intermediate skiers and snowboarders with medical skills to gain skills and knowledge in preparation to pass the National Ski Patrol Exam, gaining employment opportunities at commercial resorts. The course consists of five core modules: Area operations and risk management; emergency care; lift evacuation and rope knowledge; skiing/snowboarding; and toboggan handling. Course work will take place at Beech Mountain Ski Resort. This program requires independent training and advanced research in order to complete the modules and obtain the certification. The National Ski Patrol Exam is not included in this class and must be taken at a later date. Additional fees are required and cover a season pass to Beech Mountain.

**ORM 345: NC Environmental Education Certification Prep (3)** Through readings, site visits, practice and discussion, students will learn about the theoretical and historical background of the fields of interpretation and environmental education. Students will gain practical experience evaluating interpretive displays and presentations, and environmental education programs. Students will ultimately design and implement effective interpretive messages and environmental education programs. Through these experiences, students will also gain knowledge of a variety of careers within the fields of environmental education and interpretation. Students will begin the NC Environmental Education Certification process as a part of the course work. Upon completion of this class, students should have completed between 35-40 hours towards the certification, with opportunities to complete additional hours before the end of the semester. This certification is required, or highly recommended, by many employers in the formal and non-formal education settings. Field-trip required. An additional fee is required.

**ORM 399: Expedition Travel (3)** The purpose of this course is to provide students with the skills and knowledge that pertain to the principles and practices of actively participating in an extended group expedition domestically or internationally. This will be achieved through an examination of expeditioning theory and practice in the classroom followed by an extended expedition. An expeditionary/experiential learning model will serve as the foundation for this travel course. Field-trip required. An additional fee is required.

**ORM 410: Risk Management in Outdoor Recreation (3)** Introduces risk management in the outdoor environment. Risk identification, assessment, and minimization will be addressed. Students will learn how to establish emergency protocols, write risk management plans, and respond to backcountry emergency situations. The course will also cover current law and liability issues for outdoor recreation administrators of facilities and programs.

**ORM 437: PSIA-AASI Adaptive Level 1 Certification Prep (3)** This course will cover teaching, learning, and riding for people with disabilities. The following adaptive disability classifications will be covered: Visually impaired/cognitive, three track/four track, sit down – mono-ski and bi-ski. This course combines riding, teaching, and training. Training comes in the form of reading, participation, clinics, teaching students, and video analysis. This course preps students to take their PSIA or AASI Adaptive Level 1 Exam. This course required additional teaching requirements at Beech Mountain's Ski School throughout the ski season. Intermediate ski or snowboarding skills and additional fees are required. Prerequisite: ORM 239.

**ORM 471: Outdoor Recreation Internship (3)** This course is a full-time work experience for outdoor recreation majors taken under the direction and supervision of the internship coordinator, who monitors the student's progress and experience. The student is supervised by an on-site manager of the organization who will directly evaluate the student's work performance. Emphasis on administrative, supervisory, teaching, and program leadership in an outdoor recreation setting. A formal paper and oral presentation is required when the internship is completed. A student working 200 to 399 hours during the internship will receive 3 hours credit. If a student works more than 400 hours during the internship, 6 hours of credit will be given. Prerequisite: Junior or senior status and permission of the instructor.

**ORM 497: Contemporary Issues in the Ski Industry (3)** This course is designed to increase a student's ability to critically analyze and discuss trends and issues in the ski industry. Students examine their own ethical perspectives while building skills to become competent, ethical leaders in the ski industry. Social justice topics in outdoor recreation will include: Race, ethnicity, gender, age, disability, and spirituality with special attention given to equality and inclusion skills for leaders. Oral and written presentations are required throughout the course.

**ORM 498: Contemporary Issues in Outdoor Recreation (3)** This course is designed to increase a student's ability to critically analyze and discuss trends and issues in outdoor recreation. Students examine their own ethical perspectives while building skills to become competent, ethical outdoor leaders. Social justice topics in outdoor recreation will include: Race, ethnicity, gender, age, disability, and spirituality with special attention given to equality and inclusion skills for leaders. Oral and written presentations are required throughout the course. (WI)

**ORM 499: Senior Research (3)** This capstone course integrates all the functional areas of outdoor recreation in the analysis and solution of industry problems. Case studies and simulations are employed, as are related readings and outdoor research. Oral and written presentations are required throughout the course, culminating in a more extensive research project. An experiential learning component of community service is also required. Prerequisites: ORM 498, senior status, and permission of the instructor. (WI)

# Physics (PHY)

**PHY 101: Descriptive Biomechanics (3)** This is a descriptive course which examines basic mechanisms of human body movement from a physics standpoint. Emphasis on the concepts of force, energy, torque and momentum. Information on bone and muscle structure included where appropriate.

**PHY 111: General Physics I (4)** This course introduces the fundamental principles of natural phenomena designed to provide a basic knowledge of physics. Topics covered include mechanics, motion, force and energy. (Laboratory) Prerequisite: MAT 112 or MAT 116 or MAT 117. Additional fee required. (F Even)

**PHY 112: General Physics II (4)** This course is a continuation of PHY 111. Topics include: heat, light, wave, motion, sound, electricity and magnetism. (Laboratory) Prerequisite: PHY 111. Additional fee required. (S Odd)

# Psychology (PSY)

**PSY 133: General Psychology (3)** This course is an introduction to the field of psychology. Major theorists and sub-disciplines of psychology are covered. (F, S)

**PSY 201: Human Growth and Development (3)** This course examines the relationship of the physical, emotional, social and cognitive factors of growth and development from the prenatal period through death. (S)

**PSY 202: Abnormal Psychology (3)** This course is a study of abnormal behavior and mental illness that includes origins, symptoms and methods of treatment with case material. (F)

**PSY 203: Social Psychology (3)** This course is a study of the principles of human interaction, including topics such as attitudes, prejudices, aggression, altruism, conformity and group influence. (S)

**PSY 204: Theories of Personality (3)** This course gives consideration to the whole spectrum of personality theories, including Freudian, humanistic, social learning, existential and behaviorist models. (S Even)

**PSY 210: Helping Skills (3)** This course is an introduction to counseling and clinical psychology. (F Odd)

**PSY 211: Courtship and Relationships (3)** This course is an examination of the psychological aspects of courtship and relationships. (S)

**PSY 230: Industrial/Organizational Psychology (3)** This course is an examination of psychological techniques used to improve organization effectiveness and employee well-being. Topics include hiring practices, performance valuation, leadership in the workplace and effective work environments. (F Even)

**PSY 253: Child Development (3)** This course studies the psychological aspects of human development from conception to adolescence, with emphasis on developmental principles, theoretical views and recent research. (F)

**PSY 255: Death, Dying and Bereavement (3)** This course is a survey of the psychological issues associated with death, dying and bereavement. Topics to be discussed include death rituals and customs, hospice and end-of-life care, physician-assisted suicide, and the processes of grief and bereavement. Students will gain an appreciation of death and the process of dying as natural components of the lifespan, and understand how an awareness of mortality contributes to the construction of meaning in one's life. (S Odd)

**PSY 265: Statistics for the Social Sciences (3)** This course is an introduction to the statistical tools required to analyze problems in the social sciences. Descriptive statistics, basic concepts of probability, statistical inference, confidence intervals, hypothesis testing, survey sampling methods, analysis of variance and linear regression are among the topics covered. Prerequisite: SSC 105 or higher math. (S)

**PSY 273: Forensic Psychology (3)** This course is designed to introduce students to the field of forensic psychology. Some of the topics covered in this course will include psychological profiling, the mental state of offenders, the insanity plea, eye-witness testimony, and the psychology of juries. Many areas of psychology, including social, developmental, and abnormal psychology will be incorporated as they intersect with the law and criminal justice systems. (F Odd)

**PSY 310: Brain and Behavior (3)** This course focuses on the scientific study of the relationship between brain and behavior. Prerequisite: PSY 133. (S Odd)

**PSY 323: Principles of Learning (3)** This course is a survey of the experimental study of human and animal learning with an introductory consideration of modern learning theory. Prerequisite: PSY 133. (S Even)

**PSY 333: Cognitive Psychology (3)** This course focuses on the scientific study of mental processes involved in acquisition, storage, retrieval and use of knowledge. Prerequisite: PSY 133. (F)

**PSY 353: Child Psychopathology (3)** This course is an examination of the causes, diagnosis and treatment of psychological and developmental disorders in children and adolescents. Topics include disruptive behavior, attention-deficit disorders, attachment and separation anxiety disorders, pervasive developmental disorders such as autism, and eating disorders. Prerequisite: PSY 133. (S Odd)

**PSY 363: Psychopharmacology (3)** This course is an examination of psychoactive drugs, including both drugs used in the treatment of psychological disorders as well as recreational substances such as marijuana, methamphetamine and alcohol.

Course topics will include classification of psychotropic agents, drug metabolism, side effects and toxicity. Personal and societal consequences of addiction and treatment will be discussed. Prerequisite: PSY 133. (F Odd)

**PSY 373: Psychological Testing (3)** This course is an examination of the principles and theories related to psychological testing. Course topics will include the evaluation, selection and construction of measures of various psychological constructs (e.g. intelligence, attitudes, personality). Prerequisite: PSY 133. (F Even)

**PSY 380: Research Methods (3)** This course is an introduction to the techniques of social science research that includes an overview of the structure of scientific inquiry and the research methods used for analysis. Prerequisites: PSY 133, PSY 265. (F) (WI)

**PSY 471: Psychology Internship (3-6)** This course is a closely supervised internship to be initiated by the student and approved by the instructor. Familiarity with current, related literature and a written and oral presentation will be required. The supervisor will conduct periodic evaluations. Prerequisite: Senior status and a minimum 2.5 GPA in the major. (S)

**PSY 499: Senior Research Seminar (3)** This course is the capstone academic experience and a graduation requirement for all students in the discipline. Course components include a written thesis, oral presentation and experiential/service learning requirements. Prerequisites: PSY 380 and senior status. (S) (WI)

# Religious Studies (REL)

**REL 110: Introduction to Religion (3)** This course investigates the concept of religion, with special attention to the importance of defining and exploring this term for understanding ourselves and our society, as well the values of other persons and cultures.

**REL 116: Sacred Texts and Popular Culture (3)** This course explores the close relationship between the sacred texts of the Abrahamic faiths (Judaism, Christianity and Islam) and popular culture with special emphasis on music, art, film and politics. Materials are presented from perspectives that are both critical and academic, and eclectic.

**REL 120: The Bible's Art and Its Artistic Re-Presentations (3)** This course explores the Bible's own literary art alongside its artistic representations, with a special emphasis on artists from the time of Rembrandt to Picasso.

**REL 225: Issues in Ethics (3)** This course is an introductory study of contemporary issues in ethics, with special emphasis on topics such as universal rights, in vitro fertilization, surrogacy, capital punishment, animal rights, abortion and ecology.

**REL 226: Select Readings in Ethics (3)** This course examines select ethical thought from the ancient, medieval, reformation and contemporary periods. The course focuses on texts from Plato, Aquinas, Luther, Bonhoeffer, King and others.

**REL 241: Religion and Ultimate Questions (3)** This course delves into the fundamental ideas and systems of valuation that characterize various human attempts to articulate the good, the beautiful, the true and the just from the standpoint of the Judeo-Christian religious tradition. (WI)

**REL 243: Mythology and the Religion of Ancient Greece (3)** This course investigates the religion of ancient Greece as reflected in its mythology, literature and ritual practices.

**REL 271: Christianity in History and Tradition (3)** This course studies selected movements, conflicts and doctrines within Christianity, with special focus on the critical early centuries of its development. (Cross-Reference: HIS 271)

**REL 311: Monotheistic Religious Traditions (3)** This course surveys the major monotheistic religious traditions. The goal is to achieve an appreciation for the ways in which people live out their religious convictions. For each religion, we will explore its historical development, fundamental beliefs and current practices. (WI)

**REL 321: Life and Letters of Paul (3)** This course is an inquiry into the life and letter-writing activity of Paul, one of Christianity's earliest and greatest theologians. (WI)

**REL 341: Prophetic Literature (3)** This course surveys Old Testament prophetic literature, with emphasis on both the Former Prophets and the Latter Prophets. (WI)

**REL 361: Life and Teachings of Jesus (3)** This course investigates the timeless teachings of Jesus in the original setting as well as its contemporary applications. (WI)

**REL 365: Theology and Film (3)** This course examines movies that have implicit theological and ethical dimensions. Prerequisite: Any 200 level Literature course.

**REL 366: Jesus in Hollywood (3)** This course examines Hollywood's 20th and 21st Century silver-screen portrayals of Jesus, which are imaginative representations of 1st Century gospel narratives.

**REL 381: Religious Traditions of India, China, and Japan (3)** This course surveys the major religious traditions of India, China and Japan. The goal is to achieve an appreciation for the ways in which people live out their religious convictions. For each religion, we will explore its historical development, fundamental beliefs and current practices. (WI)

**REL 391: The Book of Genesis (3)** This course studies the Book of Genesis from historical, literary and theological perspectives.

**REL 432: Gospel of John (3)** This course is a detailed study of the Fourth Gospel in its historical, social and theological context. (WI)

**REL 441: Women and Redemption (3)** This course offers a theological and historical overview of Christianity's deep ambivalence toward women. The overview is arranged by categories: biblical roots, early Christianity, the patristic period, the middle ages and the modern era.

**REL 455: Critical Perspectives on Religion (3)** This course investigates the various ways scholars have tried to account for the

phenomenon of religion in the modern period. The course will examine anthropological, sociological and psychological models that have been used to define and describe religious experience.

**REL 461: The Art of Biblical Narrative (3)** This course focuses on an analysis of plot, characterization and rhetorical strategies of select Biblical passages. (WI)

**REL 471: Religious Studies Internship (3)** This course is a closely supervised internship to be initiated by the student and approved by the instructor. Familiarity with contemporary, academic literature and an oral and written presentation are required. The supervisors must approve and conduct periodic evaluations of the internship. Prerequisite: Permission of instructor.

**REL 499: Senior Research Seminar (3)** This course is the capstone academic experience, and a graduation requirement for all students in the discipline. Course requirements, credit hours and grading criteria are established by area faculty. Course components include written thesis, oral presentation and experiential/service learning requirements. Prerequisite: Senior status and permission of the instructor. (S) (WI)

# Rhetoric (RHE)

**RHE 101: Rhetoric and Composition I (3)** This course is an intensive introduction to college-level critical reading/listening, written composition and public speaking that emphasizes thesis, support, reasoning and organization. This course begins to establish a foundation of skills required for further development in designated writing-intensive and speaking-intensive courses. Students will investigate various processes of rhetorical analysis and also apply learned principles in written and oral assignments. Prerequisite: SSC 108. (F, S) (WI)

**RHE 102: Rhetoric and Composition II (3)** An intensive continuation of RHE 101, this research-based course enhances and extends the written and oral skills covered in the first semester, possibly through a thematic study of contemporary and/or historical disputation or through analysis of writings from various genres. This course completes the skills foundation required for further development in designated writing-intensive and speaking-intensive courses. Students will analyze rhetorical strategies, use specific citation formats, describe controversies from a variety of angles and argue positions through written and oral assignments. Prerequisite: C- or higher in RHE 101. (F, S) (WI)

**RHE 103: Honors Rhetoric (3)** Limited by admission to the Honors Program, this class is an accelerated and intensive study of college-level critical reading/listening, written composition and public speaking specifically designed for honors students. To augment the Honors Seminar, this course will make explicit the communicative skills foundations necessary for further development in designated writing-intensive and speaking-intensive courses. Prerequisite: Placement by Registrar or Director of Honors Program. (S) (WI)

# RN to BSN (NUR)

**NUR 305: Professional and Academic Success (3)** This course introduces students to the culture of professional nursing. Academic, professional and personal success planning are discussed and facilitated. The role of theory, history and standards of practice are discussed in addition to safety, quality and evidence based practice concepts.

**NUR 309: Statistics for Critical Decision-Making (3)** This course introduces statistical methodology with an emphasis on critiquing statistical findings to determine utilization in healthcare. Descriptive and inferential statistical concepts will be explored.

**NUR 324: Advanced Assessment and Health Promotion Across the Lifespan (3)** This course provides the framework for understanding and applying nursing philosophies, models and theories. A comprehensive, holistic approach to health and wellness assessment is promoted.

**NUR 330E: Gerontological Nursing (3)** This course provides an introduction to the care of older adults with special focus given to their unique physiological and psychosocial needs. Emphasis is placed on promoting healthy aging and the retention of functional ability. Aspects of safety and end-of-life are introduced.

**NUR 342E: Nursing Inquiry, Informatics and Technology (3)** This course provides an overview of nursing informatics as it relates to the provision of safe, quality, patient-centered care. Emphasis is placed on locating, accessing, appraising, and using information to inform evidence-based, professional decisions. The use of information management systems in the collection, management, and communication of patient data as well as the maintenance of patient privacy and confidentiality is highly stressed.

**NUR 352E: Evidence-Based Practice and Nursing Research (3)** This course is designed to promote evidence-based, clinical decision-making through the exploration and integration of current scientific evidence. Focus is placed on the analysis and synthesis of evidence to answer clinical questions relevant to professional nursing practice. (WI)

**NUR 401E: Leadership and Management in Professional Nursing Practice (3)** This course focuses on the knowledge and skills needed to be a contributing member of an interprofessional healthcare team. The development of transformational leadership skills and techniques needed to coordinate the provision of safe, quality, patient-centered care are explored. Emphasis is placed on professional behaviors, communication that supports information exchange, collaboration and conflict mediation, ethical comportment and the establishment and provision of evidence-based practice.

**NUR 406E: Community and Population-Centered Care (4)** This course is designed to introduce students to nursing care of individuals, families, communities, aggregates, and populations. Principles and practices of community health and social justice are discussed. Emphasis is placed on assessing factors that influence the health of populations. Evidence-based practices in the delivery of holistic, culturally appropriate health promotion and disease prevention are emphasized. A clinical project provides the student an opportunity to apply theoretical concepts to individuals, families, communities, aggregates, and populations (WI).

**NUR 441: Contemporary Issues in Healthcare (3)** This course will review contemporary issues in professional practice, including social, political, organizational, legal and ethical factors. The politics of healthcare is discussed and current issues are critically analyzed in relation to their influence on the nursing professional and practice.

**NUR 460: Professional Nursing Capstone: Synthesis of the Evidence (3)** This is the first of two courses in the completion of the Professional Nursing Capstone Project using an evidence-based practice model. The student will identify an evidence-based practice program; complete a literature review, and synthesize the evidence. (WI)

**NUR 461: Professional Nursing Capstone II: Advancing the Nursing Profession (3)** This is the second of two courses in the completion of the Professional Nursing Capstone Project using an evidence-based practice model. The student will develop a proposal for evidence based change and propose a plan for evaluation of outcomes. (WI)

# Science (SCI)

**SCI 214: Science Applications (3)** This course applies the principles of the physical sciences, chemistry, and biology that are important to understanding a subject with which the student is familiar on a practical level. It is designed to foster an understanding of scientific concepts and methods by relating that knowledge to applications in the world in which the student lives and works.

**SCI 241: Math and Science Concepts (3)** This course introduces the student to the philosophical foundations, and nature of scientific study, and links scientific research to applications in the work place and the world in which the student lives. Mathematical and calculator skills needed for scientific applications are covered in depth. Topics include: philosophical foundations of science, vocabulary of science, logic, statistical concepts, mathematical principles needed for statistical analysis, academic journals, parts of a research report (literature review, methods, discussion, etc.), and the nature of primary vs. secondary research.

**SCI 271: Laboratory Assistant in Science (2)** This course is an introduction to lab methods, lab safety and responsibilities of a laboratory assistant. Includes laboratory preparation and assistance during weekly laboratories. Prerequisite: BIO 113 and permission of the instructor. (F, S)

**SCI 272: Laboratory Assistant in Science (2)** This course is a continuation of SCI 271. Prerequisite: SCI 271 and permission of the instructor. (F, S)

# Sociology (SOC)

**SOC 203: Social Psychology (3)** This course is a study of the principles of human interaction, including topics such as attitudes, prejudices, aggression, altruism, conformity and group influence. (S)

**SOC 236: Principles of Sociology (3)** This course is an introduction to the field of sociology and the sociological perspective. Topics include groups, family, culture, bureaucracy, deviance, social class, power and social change. (F, S)

**SOC 238: Sociology of the Family (3)** This course is an overview of marriage and the family with a primary focus on American culture. Emphasis will be placed on the family as a social institution, singlehood, family dynamics, parenthood and child rearing, family crisis, conflict and change, and marital separation, divorce and remarriage. Various trends impacting the family in the 2000s will be discussed. (S)

**SOC 251: Social Problems (3)** This course is a sociological examination of the major social problems in the United States today, such as poverty, sexism, racism, environmental abuse, crime, drug abuse, aging and war. (F, S)

# Spanish (SPA)

**SPA 111: Spanish Conversation & Latino Culture I (3-hour class and 1-hour online lab)** This course introduces students to the basics of the Spanish language through total immersion activities both in the classroom and online. The student is introduced to Latino culture through video activities, cultural readings, community involvement, music and dance.

**SPA 112: Spanish Conversation & Latino Culture II (3-hour class and 1-hour online lab)** This course helps students increase Spanish conversation skills through total immersion activities in class and online. The students learn more about Latino culture through community involvement, video activities, cultural and literary readings, music and dance. Prerequisite: SPA 111 or permission from the instructor.

**SPA 211: Spanish Conversation & Latino Culture III (3-hour class and 1-hour online lab)** This course helps intermediate Spanish speakers improve their conversation skills through total immersion activities in class and online. Latino culture comes alive through cultural and literary readings, community involvement, video activities, music and dance. Prerequisite: SPA 112 or permission from the instructor.

**SPA 303: Spanish for the Professions (3)** This course is for advanced Spanish students who anticipate careers that involve interaction with Spanish speakers either at home or abroad. Culture, conversation and translation skills developed in class are then expanded while doing work with the Hispanic community. 3 hour class + 1 hour of experiential learning through fieldwork and/or public service. Prerequisite: SPA 211.

**SPA 310: Spanish and Latin American Film (3)** In this course, the student watches six authentic short films from Spain and Latin America online, and then engages in comprehension and vocabulary activities online. The student gains a greater understanding of the Spanish language and of Latino culture through cultural and literary readings. Prerequisite: SPA 211 or permission from the instructor. (Offered on demand in the summer.)

**SPA 320: Spanish for Social Justice (4)** Students learn vocabulary for social justice issues, practice Spanish grammar and syntax for improving self-expression, read and discuss articles about current events that warrant the public's attention, research the underlying causes of these issues, and then go out into the community to raise awareness. Prerequisite: SPA 211 or Spanish placement test.

**SPA 401: Toltec Wisdom Literature (3)** In this online course, students improve Spanish communication skills as they read, discuss and assimilate a modern Spanish adaptation of Books I & II of the ancient Toltec wisdom writings. Prerequisite: SPA 211 or permission from the instructor. (Offered on demand in the summer.)

**SPA 411: Advanced Spanish Grammar & Composition (3)** In this course, the student watches six authentic Hispanic short films, writes guided compositions and comments on important literary works. Online grammar activities help the students to improve usage of the subjunctive and indicative in the present, past and future tenses. Prerequisite: SPA 211. (Offered on demand in the summer.)

# Special Education (SPE)

**SPE 210 The Exceptional Child (3)** This course describes the areas and characteristics of exceptionalities, problems in learning, and personal-social adjustment of exceptional children. The course describes the services available to persons with disabilities through special education in public schools and through other institutions, agencies, and professionals. (F)

**SPE 313 Assessment and Collaboration for Exceptional Children (3)** This course explores the assessment and interpretation of assessment data for students with learning differences. The course investigates best practices for collaboration with other professionals and families. (S)

**SPE 402 Diagnosis and Remediation for Students with Reading Difficulties (3)** Candidates will recognize the essential components of comprehensive teaching reading, listening, viewing, speaking and writing. They will develop the skills to use systematic, explicit, multi-sensory methods to teach communication skills including reading and written expression. (F)

**SPE 404 Teaching K-6 Students with Learning Differences (3)** Candidates explore teaching strategies for elementary students with learning differences. Methods for teaching mathematics and other content areas are addressed. Emphasis will be on research-based cognitive instructional approaches and implementation of Universal Design for Learning. (F) (WI)

**SPE 405 Teaching 7-12 Students with Learning Differences (3)** Candidates explore teaching strategies for secondary students with learning differences. Methods for teaching mathematics and other content areas are addressed. Emphasis will be on research-based cognitive instructional approaches and implementation of Universal Design for Learning. (F) (WI)

**SPE 414 Behaviors in the General Curriculum (3)** This course is an introduction to behavioral disorders. Emphasis is on a collaborative problem-solving process to support learning through management and improvement of student behavior. Positive Behavior Intervention and Support is explored. (F)

# Sport Management (SPT)

**SPT 101: Introduction to Sport Management (3)** This course provides an overview of the theory and sectors in the sport industry. Topics include: management, leadership, marketing, law, communication, economics, finance, governance, professional development and professionalism.

**SPT 102: Current Issues in Sport Management (3)** This course addresses current issues in the field of Sport Management. Topics include: marketing and advertising in sport, labor relations and legal issues, the job market, facility construction, marketing and promotional events, industry leadership, and economical and financial issues currently affecting the industry.

**SPT 251: Sport Communication (3)** This course explores the forms and purposes of communication in intercollegiate athletics, including: sport journalism, media conferences, publicity, websites, game operations, social media management, and sport broadcasting. Additionally, this course addresses strategic sport communication planning, branding, and crisis management. Finally, the course serves as preparation for a field experience in this segment of the industry. (WI)

**SPT 271: Sport Communications Internship (3)** This internship provides students experiential learning within the sport industry. This can be completed on- or off-campus, but most students will work with LMC athletics in communications. This requires an academic component and has a set weekly course meeting time. (F, S, Summer) (WI)

**SPT 285: Officiating (3)** Studies officiating as a career, offering it as another career pathway, along with coaching, for those students who wish to stay actively involved in the sporting profession. It also develops the common ground, and a better understanding, between officials and coaches, allowing them to create a stronger and better working relationship for our student's future careers no matter whether they choose to become coaches or officials. An officiating certificate will be earned at the conclusion of the course.(F)

**SPT 288: Special Topics in Sport Management (3)** In these courses, topics are determined by the Sport Management Faculty and provide the student with an opportunity to study and research in various subject areas.

**SPT 298: Sport Sociology (3)** This course examines the social significance of sport in life and culture. Topics include mobility, stratification, deviance, violence, ethics, and racial and gender inequalities, in sport. (WI)

**SPT 301: Sport Marketing (3)** This course examines the role of sponsorship and the broader role of marketing in sport management. Emphasis is placed on event-related, promotional sponsorship, research, marketing, and activation. Topics include prospecting for sponsors, identifying sponsor needs, developing sponsorship proposals and packages, sales strategies and methods, and managing sport sponsorships.

**SPT 321: Sport Economics (3)** This course applies basic economic theory to the analysis of several problems and issues in sport business. Topics include: demand and sports revenue, team cost, profit and winning, the value of sports talent, the history of player pay, subsidies and economic impact analysis, and the economics of stadium financing.

**SPT 331: Theories of Coaching Intercollegiate Sports (3)** This course focuses on the best practices in coaching of intercollegiate athletics. Topics include study of coaching philosophies, target outcomes, great coaches, coaching strategy, decision-making, recruitment, training, and program evaluation

**SPT 334: Coaching Youth Sports (3)** This course is designed to provide a foundation for those interested in coaching high school and youth sports. Students will be introduced to instructional techniques and theories that help guide decision and policy making for those coaching these age groups.

**SPT 351: Intercollegiate Athletic Administration (3)** This course introduces students to the management of intercollegiate athletics, including skills and theory, as well as regulations and governance of it. Rules and policy of athletic conferences, state athletic associations, the National Collegiate Athletic Association (NCAA), and state and federal law are addressed. Additional topics include: the marketing, financing, economics, and staffing of intercollegiate athletics, as well as the recruitment and retention of student athletes.

**SPT 371: Sport Broadcasting Internship (3)** This internship provides students experiential learning within the sport industry. This can be completed on- or off-campus, but most students will work with LMC athletics to audio and/or video broadcast sporting events. Students will have opportunities to practice both play-by-play announcing and color commentary, as well as conducting broadcast interviews. This requires an academic component and has a set weekly course meeting time. (F, S, Summer)

**SPT 372: Sport Finance (3)** This course examines current practices in the financial management of sport business. Topics covered include: basic financial concepts, budgeting, revenue projection and forecasting, obtaining funding, inventory and production management, exit strategy, and trends in the financing of sport business enterprises.

**SPT 388: Special Topics in Sport Management (3)** In these courses, topics are determined by the Sport Management Faculty and provide the student with an opportunity to study and research in various subject areas.

**SPT 401: Coaching Field Experience (3)** This internship provides students experiential learning in coaching. This can be completed on- or off-campus, but students are encouraged to complete this seminal internship off-campus. This requires an academic component and has a set weekly course meeting time. Students will apply coaching theory, concepts and skills while working with specialized materials, procedures, regulations, and laws and within the political, economic, social and legal systems associated with coaching.

**SPT 441: Sport Law (3)** This course analyzes the legal concepts and issues central to the sport industry. Topics include: negligence, risk management, contracts, standards of practice, alternative dispute resolution, intentional torts, product liability, and ethics.

**SPT 444: NCAA Compliance (3)** This course provides functional knowledge of NCAA rules and regulations. Topics include: initial, continuing, and transfer eligibility; financial aid; awards and benefits; playing and practice seasons; recruiting; amateurism; and reporting. The role of an NCAA Compliance officer at an NCAA institution will also be examined.

**SPT 445: Athletic Revenue and Fundraising (3)** This course examines the fundamental tools and strategies necessary to increase revenues and raise funds within community, college, and not-for-profit sport organizations. Topics include: selling and sales management, ticket sales, pitching presentations, major gift and capital campaigns, soliciting donors, and sales/donor database management.

**SPT 471: Sport Management Internship (3)** This internship provides students experiential learning within the sport industry. This can be completed on- or off-campus, but students are encouraged to complete this seminal internship off-campus. This requires an academic component and has a set weekly course meeting time. (F, S, Summer)

**SPT 473: Sport Management Teaching Internship (3)** This course will be in conjunction with entry level courses, such as Introduction to Sport Management, Sport Communication, and LHF Classes administered by the SPT Program Director. The student will work closely with the professor to emphasize course material, provide additional resources, counsel students, evaluate students and maintain clear and complete records. The student will have an excellent opportunity to practice and enhance skills such as thinking on your feet, answering questions, organizing presentations and improvising. Prerequisites: Permission of the Program Coordinator.

**SPT 488: Special Topics in Sport Management (3)** In these courses, topics are determined by the Sport Management Faculty and provide the student with an opportunity to study and research in various subject areas.

**SPT 492: Sport Leadership (3)** This course examines leadership theory and the skills, competencies, and behaviors required of sport leaders. Topics include: self-awareness, creative problem solving, effective communication, detailed planning and preparation, negotiation and persuasion, motivation, managing conflict, delegation, and vision. (WI)

**SPT 498: Sport Event and Venue Management (3)** This course prepares students to develop, implement, and manage (D.I.M.) sport facilities and events. The course mixes theory and practice as students will D.I.M. their own on-campus sport event, becoming both a senior exhibit and experiential learning. As such, this course also serves as a foundation for the SPT 499: Senior Research. (WI)

**SPT 499: Senior Research (3)** This capstone course integrates all the functional areas of sport management in the analysis and solution of industry problems. Oral and written presentations are required throughout the course, culminating in a more extensive research project. An experiential learning component of community service is also required. Prerequisites: SPT 498 and senior status. (WI)

# Student Success (SSC)

**SSC 108: Foundations of College Reading and Writing (3)** This course is designed as an academic and reflective experience of reading, creative and critical thinking, and academic writing. Students will engage in the development of advanced reading strategies through exposure to varied text genres and will generate ideas from those readings as a basis for composing college-level written assignments. Instruction will include a focus on organization, the development of content, proper documentation and the application of Edited Standard Written English. This course establishes a foundation for success in subsequent reading and writing intensive courses. Placement is determined by high school English background/grades, SAT/ACT scores, and a writing and reading placement test administered by the College. This course must be passed with a C- or higher.

**SSC 109: Academic Focus Lab (0)** This course prepares experience academic success in a discipline-specific, co-requisite course such as MAT 111, MAT 112, BIO 114, BIO 115, CHM 111, CHM 112 or RHE 101. Each Focus Lab is facilitated by a learning specialist who works with students to master the content of the co-requisite course through the development of the best study and learning strategies for the specific subject being studied.

**SSC 111: Residence Life Leadership (1)** This course is designed for students selected as Residence Hall Assistants. This seminar course meets weekly and deals with areas such as student development theory, skills development, counseling skills, leadership development and residence hall management. Skills are to be used in the employment setting.

**SSC 112: Residence Life Leadership (1)** This course is a continuation of SSC 111 with added emphasis on communication and administrative skills. Prerequisite: SSC 111.

**SSC 113: Foundations in College Mathematics (3)** This course is designed to prepare students for success when enrolling in subsequent college-level math courses and will focus on quantitative reasoning skills as well as basic algebraic operations.

**SSC 351: Peer Tutoring Seminar (2)** This course prepares students to become tutors in the Burton Center for Student Success. Students must have permission from the Coordinator of Tutoring Services to enroll. Students will be introduced to current theory and best practices in learning assistance and tutoring in higher education with an emphasis on active learning and fostering student independence.

# Theatre Arts (THEA)

All courses open to non-majors unless indicated.

**THEA 100: Movement for the Stage (1)** A basic movement course designed to introduce and explore the beginning techniques, styles and study of movement for the stage performer, in particular, the actor and vocalist. This course is also recommended for directors and choreographers who desire supplementary study in acquiring techniques for working with the stage performer. (F)

**THEA 101: Dance Technique: Jazz, Tap and Ballet (1)** A basic technique course designed to introduce and explore the beginning levels, styles and study of tap, jazz and ballet dance needed for work in the theatre field. Dancewear required. Open to non-majors. (F)

**THEA 103: Social Dance (1)** A course studying social, folk and ballroom styles of dance. Open to non-majors. (S)

**THEA 105: Auditioning (3)** In this course, the student will explore basic auditioning techniques, including appropriate monologue, song and movement choices. Emphasis will be given to the 60-and/or 90-second audition package in preparation for future auditions for professional, educational, community and/or theatre for youth companies. Stage movement and/or dance techniques, voice, diction, picture/resume and appropriate dress for auditions will also be included. (S)

**THEA 111, 112, 211, 212, 311, 312, 411, 412: Clogging (1)** A course to learn the basic steps and develop team routines of this traditional mountain dance. Performance may be required. Open to non-majors. Prerequisite: audition and permission of the instructor. These courses must be completed in sequential order.

**THEA 113: Fundamentals of Music (2)** This is an introduction to the basic elements of music through a multi-key piano approach. Course of study will include rudimentary aspects of melody, harmony and rhythm - written and realized - at the keyboard. (F, S)

**THEA 115: Basic Piano (1)** In this course, the student will study specific piano techniques which apply to personal needs for growth. New musical literature will be introduced. Additional fee required. (F, S)

**THEA 116, 117, 216, 217, 316, 317, 416, 417: Private Voice (1)** (50-minute lesson) These are individual instruction courses in the literature and techniques of vocal performance. Students will study specific vocal techniques which apply to personal needs for growth. Prerequisite: THEA 118/119, permission of the instructor and audition. Additional fee required. These courses must be completed in sequential order. (F, S)

**THEA 118, 119, 218, 219: Class Voice (1)** Class instruction in the fundamentals of vocal training through solo and class singing of specific vocal exercises, art songs, musical theatre pieces and folk songs. No previous vocal training is required, but students should be interested in singing and have pitch matching ability. Can be used to help students prepare for auditions into the Private Voice courses and the Performance Competency. These courses must be completed in sequential order. (F, S)

**THEA 131: Ballet Studies (1)** A technique course designed to explore intermediate to advanced levels in the study of ballet. Dancewear required. (F)

**THEA 133: Acting I: Principles (3)** This course is designed to introduce the student to the skills of acting: improvisation, stage movement, vocal training, character analysis and scene work. Laboratory work required. Open to non-majors. (F)

**THEA 143: Stagecraft (3)** An introduction course to basic skills in technical theatre, including scene design, props, construction and lighting techniques. Laboratory hours required. Open to non-majors. (F, S)

**THEA 150: Presence, Presentation, and Performance (3)** This course will implement principles and techniques from theatrical performance and improvisation in order to hone students' oral communication skills. Students will analyze and perform texts; explore physical and vocal performance techniques; and craft formal and informal presentations.

**THEA 173: Fundamentals of Music II (2)** This course is a further study of basic music concepts, including minor scales and their individual key signatures in relation to the circle of fifths and the relative major. Other concepts to be covered include intervals, basic triads and seventh chords. Melody harmonization and cadences, as well as basic song form will be explored. (S)

**THEA 194-495: Highlanders (1)** This course is designed to introduce the student to the skills of singing in an ensemble. The course will concentrate on parts singing. Outside performances will be required. Audition and professor's permission required for class admission. (F, S)

**THEA 206: Appreciation of Modern Performing Arts (3)** A course designed to help the student learn to appreciate the historical and theatrical aspects of modern performing arts. In addition, the student will be exposed to a variety of live performances and learn

to be a discerning consumer of performing arts. No stage performance required. Group activities may be required. (F, S)

**THEA 207: The Artistic Response: How Artists See Our World (3)** A course designed to help students appreciate artistic perspectives on cultural and historical events from the past 60 years by looking at various movements and events from the artist's point of view. The course will examine various art forms (music, theatre, dance, film, performance art, visual art) with the goal of experiencing historical events through the artist's eyes. Individual and group activities and presentations will be required. (F, S)

**THEA 209: SETC Experience (1)** A course established to aid students attending the Southeastern Theatre Conference. The class will prepare students for the conference and aid them during the conference to gain as much practical knowledge as possible. Additional fee required. (S)

**THEA 213: Music Analysis (3)** A course in the study of melody, harmony, rhythm, traditional and popular. Focus of study is on the development of analytical, aural, sight-singing and written skills. Learning to hear, analyze and interpret rhythm and meter will be explored for choreographic purposes. Prerequisite: THEA 113 or permission of the instructor. (S)

**THEA 215: Piano (1)** Individual or class instruction in the literature and techniques of piano performance. Students will study specific piano techniques which apply to personal needs for growth. New musical literature will be introduced. Course fee required. Prerequisite: THEA 115. (F, S)

**THEA 224: Sight Singing and Ear Training (2)** This is an introduction to the basic elements of sight-singing and music reading. Note reading, rhythm, key signatures and melodic structure will be covered. The course is designed to prepare students to be able to sing songs in a variety of keys and rhythms with and without the aid of an accompanist. Permission of the Instructor. (S Odd)

**THEA 233: Acting II: Scene Study (3)** This course is designed to further the student's knowledge of acting theory using character analysis and scene work. Final scenes will be presented at the end of the course. Laboratory work required. Prerequisite: THEA 133. (S)

**THEA 236: Voice for the Actor (3)** This is an introduction to appropriate vocal and speaking technique for the actor and singer. Emphasis is on vocal expression, articulation, volume, dialect, accents and phonetics. (F Even)

**THEA 238: Principles of Theatre Marketing and Management (3)** This course serves as an introduction to skills in arts management and marketing, including exploring business models of commercial and not-for-profit theatre companies and the day-to-day operation of major theatre companies. The course will also explore business management skills, oral and written proposals, fundraising and the role of marketing within the arts, both in print, electronic and social media forms. (F Odd)

**THEA 244: Principles of Design (3)** This course will introduce students to the visual design process which could be used in theatre, architecture, film and/or fashion design. Design elements will be explored including form, style, composition, line, shade, tone and quality. Students will discover multiple mediums (watercolors, gouache, chalk pastels, oil pastels, colored pencils, etc.) and their uses within the design process. Students will also learn the importance of visual research as it relates to a specific concept. Additional fee required. (F)

**THEA 253: Career Management in Theatre (3)** This course is designed to study and explore various aspects of life and career management within the field of Theatre and related disciplines. A personal portfolio will be realized. This course fulfills CLA 299. (S)

**THEA 254: Make-Up (3)** An introduction course to research, design and execution of make-up, including materials, application of straight, character, age and special effects make-up. Laboratory work required. Additional fee required. Prerequisite: THEA 244. (S)

**THEA 256: Theatre for Young Audiences (3)** This course prepares participants for creating characters, adapting stories and presenting theatre for children. In addition to these skills, an introduction to puppeteering will be included. Laboratory performance required. Prerequisite: THEA 133. (S Even)

**THEA 272: Script Analysis (3)** Script Analysis provides students with the tools to read and interpret scripts from a variety of perspectives with a focus upon implications for production. Students will read different types and styles of plays for character, plot, theme, action and physical production requirements. Skills learned will also be applied to analyzing choreographic works and technical theatre components of performance from a variety of viewpoints. (S) (WI)

**THEA 275: Musical Theatre Dance I (2)** This course explores intermediate dance styles, with a focus on the development of musical theatre production numbers. Emphasis is placed on the historical context of individual styles and the work of major theatre choreographers. Dancewear required. Prerequisite: THEA 101 or permission from instructor. (F)

**THEA 324: Musical Theatre History and Repertoire I (3)** In this course, the student will explore, research, analyze and perform (if BFA candidate) musical theatre repertoire/literature beginning with the early 1900s through the 1950s. Film and live musical attendance will be required. Prerequisite: THEA 272. (F Even)

**THEA 325: Musical Theatre History and Repertoire II (3)** In this course, the student will explore, research, analyze and perform (if BFA candidate) musical theatre repertoire/literature from the 1960s through to the present day. Film and live musical attendance will be required. Prerequisite: THEA 272. (S Odd)

**THEA 333: Acting III: Period Acting (3)** This course is designed to introduce the student to skills of acting in period plays: stage movement, vocal training, character analysis and scene work. Prerequisite: Permission of the instructor and PAS 133. (F Even)

**THEA 335: Performance of Literature (3)** This course explores how performance can be used as a way of both understanding and communicating literature. Students will develop skills in critical reading, performing, writing, listening and analysis of performance as they study the communicative power of literary texts. Laboratory work required. (F Odd)

**THEA 344: Costuming (3)** This course is an introduction to the mechanics of costume research, design and execution, including fabrics, sewing techniques and resources. Laboratory work required. Additional fee required. (S)

**THEA 345: Basic Lighting (3)** This course is an introduction to stage lighting, including an introduction to basic electricity, instrumentation, computer, control, color theory and the beginnings of lighting design. This course includes practical applications of designing and lighting a produced piece. Laboratory work required. Additional fee required. Prerequisite: THEA 244. (F)

**THEA 353: Stage Management (3)** This course focuses on the methods and techniques of stage management, from simple dramatic shows to complex multi-scene productions in a variety of venues. This course includes stage managing a production. Prerequisite: THEA 244. (S)

**THEA 363: History of Theatre I (3)** This course focuses on the chief playwrights, plays and stage developments from the Greeks to 1700. Analysis of selected representative plays. Prerequisite: THEA 272. (F Odd)

**THEA 372: Stage Combat (2)** This course is designed for students are instructed in unarmed combat, single sword, and sword and dagger techniques. Students have the opportunity to test for Basic Actor Combatant Certification with Fight Directors from Canada.

**THEA 374: Directing I (3)** This is an introduction to directing techniques for the theatre, including blocking, character development and production. Scene work required. Laboratory work required. Prerequisite: THEA 233. (F)

**THEA 375: Musical Theatre Dance II (2)** This course explores the most advance styles used in the theatre, with a focus on the development of musical theatre production numbers. Emphasis is placed on the historical context of individual styles and the work of major theatre choreographers. Dancewear required. Prerequisite: THEA 275 or permission from instructor. (S)

**THEA 379: Theatre in Community and Outreach (3)** This course explores the roles theatre and the arts serve within the communities they exist. Emphasis is placed on community engagement, exploring the community-based and supported theatre model, theatre formed by minority groups and advocacy for the arts. This course uses service learning and may include local travel. (S Odd)

**THEA 381: Dance/Choreography for the Theatre (2)** This is a study of basic dance and choreographic techniques used in theatrical works. Performance may be required. Dancewear required. Prerequisite: THEA 101, THEA 131, THEA 151 and THEA 161, or permission of the instructor. (F Even)

**THEA 401: Competency One: Creative & Artistic Direction (0)** See section on School of Arts, Humanities and Education.

**THEA 402: Competency Two: Performance (0)** See section on School of Arts, Humanities and Education.

**THEA 403: Competency Three: Arts Management & Leadership (0)** See section on School of Arts, Humanities and Education.

**THEA 404: Competency Four: Technical Theatre (0)** See section on School of Arts, Humanities and Education.

**THEA 405: Competency Five: Critical & Cultural Perspectives (0)** See section on School of Arts, Humanities and Education.

**THEA 433: Acting IV: Musical Theatre Acting (3)** This is a study of the specialized skills of acting in the musical theatre. Scene work and laboratory work required. Prerequisite: THEA 133. (S Odd)

**THEA 443: Scene Design (3)** This is an introduction to the craft and process of design for the stage, including script analysis, research, sketch concepts, drafting, floor plans, renderings and scale model construction. Prerequisite: THEA 244 (S Odd)

**THEA 467: Theatre Management and Publicity (3)** This course is an exploration of management skills needed to envision and develop theatre venues with a wide range of artistic and community environments. Examples of skills include box office, business management, oral and written proposals, employee management, fundraising and publicity. (S Odd)

**THEA 471: World Culture and the Arts (3)** This course examines and analyses of historical and philosophical perspectives of world cultures and their respective art forms. Emphasis will be placed on the impact the arts have on cultural identity, community development and globalization. (F Even)

**THEA 473: History of Theatre II (3)** This course focuses on the chief playwrights, plays and stage developments from 1700 to the contemporary era. Analysis of selected representative plays. Prerequisite: THEA 272 (S Even)

**THEA 474: Directing II (3)** This course is a continuation of THEA 374 with an emphasis on the total production. The student will be required to direct a variety of scenes with one realized production. Laboratory work required. Prerequisite: THEA 374. (S)

**THEA 493: Theatre Internship (3)** This course is an opportunity for students to supplement their academic knowledge with realistic work experience within the field of theatre. Successful use of knowledge and application of skills is required. (F, S, Summer)

**THEA 497: Senior Research and Independent Study (2)** In this course, the student will begin to create a proposal for work to be completed in Senior Research and Seminar. This work will demonstrate creativity within artistic, educational and theatrical environments, with consideration given to creative development and process of self, motivation, innovation improvisation, problem-solving techniques, clarity, exploration, research, synthesis and exploration form and format. The student will work individually with one professor chosen within the department. (F, S) (WI)

**THEA 499: Senior Research Seminar for Theatre Arts (1)** In this course, senior students will assess their strengths and weaknesses in the Theatre Arts. Career opportunities, professional organizations, graduate schools and research will be discussed. The student will assess how Theatre Arts will help fulfill the hallmarks of a Lees-McRae College graduate. A major thesis, an oral presentation on that thesis and a service project are required. Prerequisite: THEA 497, senior status or permission of the Director of Theatre. (F, S) (WI)