

COURSE DESCRIPTIONS

Accounting	152
Art	152
Biological Science	155
Business Administration	156
Chemical Abuse.....	157
Chemistry.....	157
Communication.....	157
Community Counseling	159
Computer-Aided Design Technology	160
Computer Science	160
Cooperative Work Experience.....	161
Criminal Justice	162
Economics	163
Emergency Medical Services	163
Engineering.....	164
English	164
Entrepreneurship	165
Finance	165
Geography	166
Geology	166
German.....	166
Health, Physical Education, and Recreation	166
Health Science	166
History.....	167
Honors	167
Humanities.....	168
Information Technology	169
Justice Administration.....	170
Languages.....	170
Legal Assisting.....	170
Library Science.....	170
Management.....	170
Marketing.....	171
Mathematics	172
Music	173
Native American Studies	173
Nursing	174
Nutrition	176
Organizational Leadership.....	176
Orientation	177
Pharmacology.....	177
Philosophy	177
Physics	177
Political Science	178
Psychology	179
Reading	180
Social and Behavioral Sciences	180
Sociology	180
Spanish.....	181
Special Programs	182
Speech.....	182
Sport Management.....	182
Technology.....	182

Accounting

ACCT 1113 Introduction to Accounting

Emphasis on record keeping, double entry accounting, and financial statement preparation. This is a suggested elective, preparatory course for Accounting I–Financial. Completion of Accounting 2103 precludes enrollment in this course.

ACCT 2103 Accounting I-Financial

Accrual accounting for businesses covering basic accounting theory, corporate stocks, bonds, and classified financial statements.

ACCT 2203 Accounting II-Managerial

A first course in managerial accounting with emphasis on accounting tools for managers. Topics covered include: cost accounting, break-even point, profit analysis, variable costing, budgeting, cash flow, differential analysis, responsibility accounting, financial ratios, stocks, and bonds. Prerequisite: ACCT 2103.

ACCT 3113 Intermediate Accounting I

Analyzes valuation and other theoretical problems in accounting for cash, temporary investments, receivables, inventories, long-term investments, plant and equipment, and intangible assets. Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 3113, and BADM 2843.

ACCT 3123 Intermediate Accounting II

Analyzes stockholders' equity, dilutive securities, investments, issues related to income determination including revenue recognition, accounting for income taxes, pensions, leases and error analysis, preparation and analysis of financial statements, including price level changes and statement of changes in financial position. Prerequisite: ACCT 3113.

ACCT 3133 Cost Accounting

Provides the students with basic cost principles, job order costing, process and joint costing, and estimated costs. Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 3113, and BADM 2843.

ACCT 3143 Individual Income Tax Accounting

Surveys current individual income tax laws. Topics include filing requirements, includable income, adjustments, itemized deductions, and tax credits. Prerequisite: ACCT 2203.

ACCT 3243 Accounting Information Systems

The design and development of accounting systems and data uses. Prerequisite: ACCT 2203.

ACCT 4123 Internal Auditing

Provides an understanding of the concepts associated with audits that go beyond the traditional financial audit. These audits have been described by various names such as: operational audits, program audits, management audits, and performance audits. Prerequisite: ACCT 2203.

ACCT 4323 Not-For-Profit and Governmental Accounting

An activity course involving the study of accounting processes and procedures used by state and local governmental units and other selected not-for-profit entities. Prerequisite: ACCT 2203.

ACCT 4793 Accounting Internship

Supervised professional-level accounting assignment with a business firm, government agency, or not-for-profit agency. Prerequisites: ACCT 3113 and permission of instructor.

Art

ART 1103 Art Foundations I

An introduction to the practical application and theoretical aspects of creating art on two-dimensional surfaces.

ART (HUM) 1113 Art Appreciation

Illustrated lecture course surveying the role and dimension of art with a general examination of art theory, art media, and art history.

ART 1203 Art Foundations II

An introduction to the practical application and theoretical aspects of creating art with three-dimensional media.

ART 1213 Digital Foundations

An introduction to the Macintosh operating system, peripherals, and storage of graphic-based work. Discussion of raster vs. vector graphics and their strengths and weaknesses. A broad overview of some of the software and the parameters it defines for the artist. An introduction to the issues surrounding cross platform graphics. Production of original artworks.

ART 1223 Graphic Design I

This class provides a strong foundation in computer graphics through the use of Adobe PhotoShop and traditional design concepts with related assignments. A thorough knowledge of materials and techniques of the computer artist is stressed. Prerequisites: ART 1103 and 1203.

ART 1323 Typography

An in-depth study of typography as it relates to Graphic Design. Including the anatomy of letterforms, visual hierarchy, history of type, production, type design and its various uses. Prerequisites: ART 1103 and ART 1223.

ART 1413 Drawing I

Introduction to various types and uses of drawings. Black and white media, space and volume relations, development of visual units of design and their integration in the whole organization. Prerequisites: ART 1103 and ART 1203.

ART 1423 Drawing II

Continuation of ART 1413 with emphasis on perspective, composition, and multimedia. Prerequisite: ART 1413 or instructor's permission.

ART 1833 Black/White Photography I

Students will study camera operation, basic theory, materials and process, film exposure and developing techniques, contact printing and enlarging, filters and printing techniques, and print finishing. This course equips students with technical, intellectual, conceptual, and creative skills of making a photograph. Prerequisites: ART 1103 and 1203.

ART 1913 Printmaking I

A broad perspective and general understanding of the various printmaking processes including theory and some practical work in the following media: silkscreen, woodcuts, linoleum block, intaglio (etching), and an explanation of lithography. Prerequisites: ART 1103 and 1203.

ART 2033 Black/White Photography II

This course covers archival processing and print finishing techniques. Students will develop their own personal projects based on consultation with the instructor with the final result being a production of limited edition portfolios. Prerequisite: ART 1833.

ART 2113 Life Drawing I

Constructive figure drawing from the live model. Focus on creative attitudes, with maintenance of balance between perceptual and conceptual drawing activities. Prerequisites: ART 1103, ART 1203, and ART 1413, or instructor's permission.

ART 2213 Watercolor I

Techniques and purposes of painting with watercolor. Prerequisites: ART 1103, ART 1203, and ART 1413 or instructor's permission.

ART 2353 Printmaking II

An advanced study of the print disciplines covered in Printmaking I with concentration on silkscreen and intaglio media. More emphasis will be given to design and conceptual considerations. Prerequisite: ART 1913.

ART 2383 Advanced Digital Imaging

This is a project driven course in advanced imaging and handling of digital images. Emphasis will be given to design, color correction, repair, special effects and filters and advanced image manipulation. A working knowledge of print and web requirements will be obtained. Theory/Lab. Prerequisites: ART 1223 or instructor's permission.

ART 2413 Three-Dimensional Art I

Experience in three-dimensional problems starting with an introduction to clay and its techniques including methods of firing, oxidation, reduction, and raku. Other sculptural processes discussed include mold making, metal casting, and carving. Prerequisites: ART 1103 and ART 1203.

ART 2423 Graphic Design II

An in-depth study of visual communication through the use of a vector graphics software program (Adobe Illustrator) in conjunction with a raster graphics software program (Adobe PhotoShop). Assignments are designed to extend a student's sense of visual awareness, visual literacy, creative thought, and strengthening the student's portfolio. Prerequisite: ART 1223.

ART 2453 Wheel-Throwing I

The nature of clay through the use of the potter's wheel. Methods of firing include oxidation, reduction, and raku. Also discussed are glazing techniques. Prerequisites: ART 1103 and ART 1203.

ART 2553 Digital 3D Foundations

This course introduces the use of 3D programs such as Maya to create original art, illustrations, images for animation, and interactive CDs. Attention will be given to terminology. Prerequisites: ART 1103 and ART 1213. Recommended: ART 1413, ART 1423, and ART 1223.

ART 2793 Art Marketing

Through investigation of product definition, demographics, market analysis, style identity, and portfolio preparation and presentation, this course is designed to help the student understand and access goals selling fine arts or finding an art related career. Field trips are taken and real market contacts are made. Prerequisites: ART 1103 and ART 1203.

ART 2813 Painting I

The study and application of painting. Comparison of history of painting and technique to student work. Visual and special relationships relative to painting. Use of either oil or acrylic paints. Prerequisites: Art 1103, ART 1203, and 1413, or instructor's permission.

ART 2910 Individual Studio/Internship

One to four credit hours. Prerequisites: sophomore standing and consent of the instructor, completion of all courses in any of the following areas: Drawing, Ceramics, Life Drawing, Painting, Sculpture, Watercolor, Serigraphy (silkscreen printing), Print-making, Interior Design, or Art History.

ART 3003 Western Art History to 1400

An in-depth study of the major art movements and works in Western art history to 1400.

ART 3013 Western Art History 1400-1850

The study of the movements, groups, and individuals in Western art history. The focus of the class will be directed toward the Renaissance through the precursors of Impressionism.

ART 3113 Life Drawing II

Student will learn the technical necessity and aesthetic benefits of working from a live model. Emphasis will be on advanced concepts in drawing. Stress on historical and contemporary influences in figure drawing. Prerequisite: ART 1103, 1203, 1413, and 2113 or instructor's permission.

ART 3123 Graphic Design III

Emphasis is placed on preparing the student to successfully enter the graphic design field with an advanced understanding of design theory and a mastery of the industry's standard software programs. Graphic design assignments are designed to create a professional quality portfolio. Creative thinking, visual literacy, and graphics theory are stressed in both print and interactive multimedia projects. Prerequisite: ART 2423.

ART 3133 History of Non-Western Arts

A survey and comparison of art from non-Western societies; including art from indigenous or immigrant non-Western populations living in Westernized society.

ART 3213 Western Art History 1850-Present

The study of the most influential art and artists of Europe and the Americans during the middle and late modern periods. Aesthetic and historical influences as well as their effects on current art directions will be addressed.

ART 3223 Watercolor II

An advanced study, application, and production of water soluble media. Elective for Art students. Prerequisite: ART 2213 or instructor's permission.

ART 3313 Art Theory I

Critical theory by artists as it applies to art works and culture.

ART 3413 Applied/Package Design

An in-depth study of design solutions from start to comprehensive mock-ups. Special attention to signage, exhibition design, packaging, display, and point of purchase. Explores product identity and design problems associated with design. Prerequisite: ART 3123.

ART 3443 Three-Dimensional Art II

Three-dimensional problems utilizing advanced tools, media and techniques, building upon the basics learned in 3-D Art 1. This course emphasizes the student's personal design style; planning and construction of well developed and thought out sculptures. Prerequisite: ART 2413.

ART 3463 Wheel-Throwing II

A continuation of ART 2453 with emphasis placed on the student's personal approach as well as production skills. Prerequisite: ART 2453.

ART 3523 Artistic Authoring and Animation

Introduction to interactive multimedia applications utilizing and animating 2-D and 3-D graphics, text, sound, and digital video. Emphasis will be placed on Macromedia Flash and Action Script programming in a Macintosh environment. Theory/Lab. Prerequisites: ART 2423.

ART 3543 Artistic Website Design

This course covers principles of website architecture, planning, and production. Emphasis will be placed on aesthetics and navigation of websites. This course utilizes a WYSIWYG software (such as Dreamweaver) in a Macintosh environment. Theory/Lab. Prerequisite: ART 2423.

ART 3553 Digital 3D Studio

This is an advanced course that explores the tools and techniques used to create/animate rigid, inorganic/organic objects. Concepts for animating objects are discussed. Projects will include construction of buildings and texturing structures. Projects will also include the modeling of living beings. Prerequisite: ART 2553.

ART 3613 Painting II

Studio investigations and production of a painted body of work. Students will further develop and strengthen their portfolio of paintings. Some experiments with media mixing will be included in the curriculum. Prerequisite: ART 2813.

ART 3883 Digital Color Photography

The concepts and techniques in electronic imaging will be explored through the use of color digital equipment and Adobe PhotoShop. Fine Arts as well as editorial photographic standards will be addressed on the basis for critical analysis including visual awareness, visual literacy, and creative thought of the finished photograph. Prerequisite: ART 1833 and ART 1223 or instructor's permission.

ART 3910 Directed Studies

This course will address particular research and applications of theory and/or production in a visual art discipline. Course content to be determined each semester. Subjects will be selected from but not limited to studies in studio, graphic arts, or art history. Open to students in a graduating semester. (1-3 credit hours.)

ART 4223 History of Graphic Design/Multimedia

An in-depth study of the history of graphic design from pre-history to the present as it relates to modern design practices. Includes advertising, history of type, production, posters, package design styles and trends of the field.

ART 4313 Art Theory II

Critical theory by philosophers from antiquity to the present as it applies to art works and culture. Prerequisite: ART 3313.

ART 4433 Sequential Art

Student will utilize hand skills to sketch and draw storyboards. These hand rendered storyboards will be incorporated into computer generated three-dimensional objects in an artificial three-dimensional space leading to storyboard design, animation scripts, and the production of animation sequences to video. Prerequisite: ART 2553.

ART 4513 Art Internship

This course is designed to allow students external, for credit, learning and experimental opportunities in working visual art related environments. Upon approval by the art faculty, students will be able to work in structured and regularly assessed art establishments.

ART 4533 Art Studies-At-Large

This course is designed to foster study external to the region. Students will study at internationally recognized art centers. May be repeated once for credit. Art faculty approval required.

ART 4853 Graphic Design Practicum

This course incorporates all aspects of graphic design to produce various assigned live projects. This course is designed to give students practical real-world experience and live projects to enhance to their portfolio. Lab. Prerequisites: ART 3123 or instructor's permission.

ART 4953 Senior Capstone Portfolio

The Capstone Portfolio is an original, specialized project, integrating the student's cumulative academic experiences. Preparation for the Senior Project begins in the junior year with consultation with advisors. Prerequisite: Senior status.

Biological Science**BIOL 0123 Science Proficiency**

The primary objective is to provide knowledge of the basic concepts and principles of physical and life sciences. This course does not apply toward total credit hours for graduation. Prerequisite: MATH 0114 or equivalent.

BIOL 1114 General Biology

General Biology provides an introduction to various topics in biological science including basic chemistry, cellular biology, studies of animals, plants, protozoans, and fungi, human biology, genetics and heredity, and environmental/population studies. This course meets the four credit hour life sciences requirement for graduation from Rogers State University and is open to any student. Lecture three hours, lab two hours per week.

BIOL 1134 General Environmental Biology

A general survey of environmental science. Includes an introduction to basic ecological principles with an emphasis on major modes of environmental pollution. Lab a minimum of two hours per week.

BIOL 1144 General Cellular Biology

An introduction to inorganic and organic chemistry, with an extensive survey of cell structure, cellular metabolism, enzymes, mitosis, and meiosis, Mendelian genetics, and molecular genetics. Lab two hours per week.

BIOL 2104 General Botany

Basic processes and structures in plants; their relation to factors in the environment; reproduction heredity; heritable and non-heritable variations in plants and their causes and consequences are studied. Previous course in chemistry recommended. Laboratory required. Prerequisite: BIOL 1144.

BIOL 2124 Microbiology

General microbiology with emphasis on fundamentals of morphology, physiology, and growth-related activities of pathogenic and nonpathogenic disease producing organisms. Principles involved in susceptibility and resistance to infections and the uses of immune sera and vaccines. Lab two hours per week. Prerequisite: BIOL 1144.

BIOL 2205 General Zoology

A survey of the animal kingdom, with special emphasis on phylogenetic relationships, structural adaptation, and ecological significance of the major phyla. A minimum of two hours of lab per week. Prerequisite: BIOL 1144.

BIOL 2215 Anatomy and Physiology

An introduction to the principles of the structure and function of the human body. A beginning course designed to emphasize the integration of all body systems. Lecture three hours, lab three hours. Prerequisite: BIOL 1144 or permission of instructor.

BIOL 2285 Anatomy

A study of the structure of the human body with emphasis on dissection and analysis of organ systems. Requires three hours of lecture each week and three hours of lab per week. Prerequisite: BIOL 1144 or BIOL 2205 or permission of instructor.

BIOL 3004 Field Botany

An introduction to Oklahoma flora based upon classification, distribution, and natural history of representatives of the plant phyla of this region. Laboratory and extensive fieldwork required. Prerequisite: BIOL 2104.

BIOL 3014 Ecology of Mammals

A study of morphology, systematics, and distribution of mammals in Oklahoma, North America, and globally: biogeography, evolution, and physiological, morphological, and behavioral adaptations. Prerequisite: BIOL 2205.

BIOL 3024 Genetics

An introduction to basic concepts of Mendelian genetics and an inquiry into the basic processes of evolution. Laboratory required. Prerequisites: BIOL 1144 and CHEM 1315. MATH 2843 is recommended.

BIOL 3034 General Ecology

A study of the structure and function of ecosystems including a survey of the aquatic and terrestrial habitats. Includes laboratory and field trips. Prerequisites: BIOL 2205 and BIOL 2104.

BIOL 3104 Plants and Civilization

The study of the interaction between plants and human cultures in both historical and contemporary societies. This course examines the use of plants as medicine, foods, and materials within social and scientific settings. Prerequisite: BIOL 1114, BIOL 1134, or BIOL 1144.

BIOL 3204 Physiology

A study of the functions and biochemical processes of the cells, tissues, and organ systems, with special emphasis on humans. Laboratory required. Prerequisites: BIOL 1144 and 2285, or BIOL 2205 and CHEM 1315.

BIOL 3275 Comparative Vertebrate Anatomy

A comparative study of the morphology and evolution of the vertebrates as well as function and evolution of various representative organ systems. Lab three hours per week. Prerequisite: BIOL 2205.

BIOL 3504 Molecular Biology

Course will include structure and function of cells and sub-cellular components, syntheses and regulation of DNA, RNA and protein, cell cycles, chromosome structure, and cell differentiation. Lab will include studies of cellular and chromosomal structure and basic molecular biology techniques. Laboratory required. Prerequisites: BIOL 1144, CHEM 1315, and CHEM 1415.

BIOL 3513 Environmental Conservation

Studies the requirements and regulations of wildlife/natural resources on a regional and global scale. Emphasis will be given to ecosystem management, landscape ecology, and threats to environmental and global biodiversity. Prerequisite: BIOL 3034.

BIOL 3525 Biology of Microorganisms

Structure/function, physiology, genetics, evolution, and diversity of prokaryotic microorganisms and their impact on humans and the environment. Laboratory four hours per week. Prerequisites: BIOL 1144, CHEM 1415. Recommended: CHEM 3125.

BIOL 4014 Ornithology

A study of classification, distribution, identification, life histories, and evolution of birds. Specimen preparation and field techniques emphasize Oklahoma species. Prerequisite: BIOL 2205.

BIOL 4153 Molecular Genetics

Study of transcription, translation, and replication, gene organization, regulation, and expression at the molecular level for prokaryotes and eukaryotes. Prerequisites: BIOL 1144 and CHEM 1415. CHEM 3125 is recommended.

BIOL 4303 Plant and Animal Toxicology

An introduction to the effects caused by exposure of living organisms to chemical substances. Reading, research, and discussions on environmental effects and consequences of organic and inorganic toxins are required. Prerequisites: BIOL 2205, BIOL 2104, and CHEM 3125.

BIOL 4414 Immunology

The study of fundamental principles of immunity and hypersensitivity as well as the functional expression of the immune system. Laboratory required. Prerequisite: BIOL 3024.

BIOL 4524 Field Zoology

An introduction to local animal life based upon classification, distribution, and natural history of representatives of the animal phyla of this region. Laboratory and extensive field work required. Prerequisite: BIOL 2205.

BIOL 4554 Aquatic Biology

Aquatic Biology is an introduction to the study of freshwater systems. Local freshwater ecosystems will be described and characterized in terms of physiographic and biological features emphasizing their inherent ecological relationships. Extensive fieldwork will introduce students to surveying techniques and analytical evaluation of freshwater systems. Prerequisites: BIOL 2205, BIOL 2104, CHEM 1315. CHEM 1415 recommended.

BIOL 4602 Biology Research Methods I

Introduction to research methods and design in the biological sciences. Students will synthesize a proposal of an original research project presented in oral and written format for the benefit of a non-specialist audience. Prerequisite: eight upper-division hours in biology.

BIOL 4801 Biology Research Methods II

Investigation of research problem proposed in Biology Research Methods I (BIOL 4602). Students will complete research methods, conduct proposed research, analyze results, and present data in oral and written format for the benefit of a non-specialist audience. Prerequisite: BIOL 4602, or permission required.

Business Administration

BADM 1203 Introduction to Business

Introductory course for business majors. Survey of basic principles, forms, and practices involved in administration of business.

BADM 2013 Personal Finance

Nontechnical personal finances. Practical applications in budgeting, banking, borrowing, insurance, investment, taxes, home ownership, and family financial planning. May be taken for elective credit only.

BADM (MATH) 2843 Business Statistics

An introduction to basic statistical terminology, organization of data, measures of central tendency and dispersion, and application of statistical techniques. Includes elementary probability, sampling, estimation, hypothesis testing, and a variety of other statistical techniques. Prerequisite: MATH 1513 or higher or instructor's permission.

BADM 3113 Business Communications

Comprehensive view of the communication process in the business environment with emphasis on listening skills, a review of grammar, writing various types of letters, memoranda, electronic messages, employment-related messages and reports, delivering oral presentations, and developing interpersonal skills. Prerequisite: ENGL 1113.

BADM 3323 Legal Environment of Business

This course covers the principles of business law for normal business transactions, with emphasis on the judicial system, general contracts, bailments, and sales contracts.

BADM 3333 Business and Professional Ethics

Examination of moral and ethical issues within business and professional environments. In addition to a broad study of ethical behavior and decision making, various professional codes of conduct will be examined. Central to this examination will be the discussion of integrity, independence, and objectivity, as well as legal liability. Prerequisite: MGMT 3013.

BADM 3913 Communication Skills for Managers and Professionals

A course designed to develop oral and written skills for managers and professionals. Common problems and solutions will be stressed with an emphasis on practical applications to meet individual needs.

BADM 4333 International Business

Investigates cultural influences, government, and business structures in a global economy through studying trade relations, marketing and promotion, production system, labor contracts and international finance and accounting. Prerequisite: MGMT 3013.

BADM 4793 Business Internship

Supervised professional-level business assignment with a business firm, government agency, or not-for-profit agency. Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 3113, BADM 2843, Junior/Senior standing, and permission of instructor.

Chemical Abuse

CA 1213 Intervention Strategies

Examination of intervention strategies appropriate to working with chemically dependent clients and their families. The focus will be on case management in therapeutic settings, client referral strategies, and the rationale for consultations with other helping professionals. Prerequisite: permission of instructor.

CA 2223 Chemical Abuse in Special Populations

The course examines the relationship between certain subcultures and specific types of chemical abuse. Prerequisite: SOC 2133.

Chemistry

CHEM 1315 General Chemistry I

Introductory course in inorganic chemistry dealing with fundamental concepts of measurements, atomic theory, electron configuration, periodicity, bonding, molecular structure, stoichiometry, gas laws, and changes in state and thermochemistry. Lab Required. Pre or corequisite: MATH 1513.

CHEM 1415 General Chemistry II

This course is algebra based and is a continuation of CHEM 1315 with emphasis on kinetics, equilibrium, thermodynamics, electrochemistry, qualitative analysis, organic chemistry, biochemistry, and nuclear chemistry. Lab four hours per week. Prerequisite: CHEM 1315.

CHEM 3125 Organic Chemistry I

A two-semester study of fundamental concepts of organic chemistry including acid base theory, nomenclature, structures, reactions, and reaction mechanisms of the principle functional groups. Laboratory required. Prerequisite: CHEM 1415.

CHEM 3225 Organic Chemistry II

Continuation of CHEM 3125 covering the fundamental concepts of organic structure and reactions of the principle functional groups as well as reaction mechanisms. Laboratory required. Prerequisite: CHEM 3125.

CHEM 3404 Biochemistry

Study of compounds and reaction mechanisms occurring in living organisms. Laboratory required. Prerequisite: CHEM 3225.

CHEM 3515 Environmental Chemistry

A course designed to provide chemical and analytical applications within industrial and environmental settings. Advanced laboratory skills with emphasis on EPA methods will be stressed. Labs will include proper sampling techniques, sample handling and storage, and analysis of student-obtained field samples. Prerequisite: CHEM 1415.

Communication

COMM 1003 Introduction to Mass Communication

An introductory survey of the role of mass media in modern society with particular emphasis on critical evaluation of the press, radio, and television. A study of the scope, history, growth, development, practices, ethics, and legal concerns of mass communication. Special attention is given to radio and television, FCC, federal regulatory agencies, and station/network operations.

COMM 1123 Interpersonal Communications

Study of the theories and practices necessary to develop interpersonal communication skills in both personal and professional relationships, with emphasis on improving verbal and nonverbal techniques for developing and maintaining clear communication between two people.

COMM 1713 Voice and Articulation

Basic investigation of the structure and function of the vocal apparatus. Analysis of sounds (phonemes) of the English language through the study of the International Phonetic Alphabet. Emphasis on improving vocal sound, articulation, and pronunciation through various techniques and exercises.

COMM 2003 Video Production

An overview of cameras, recording, editing, audio for television, lighting, electronic graphics, and studio production control will be provided. Skills will be developed in all areas of television production and related concepts. Prerequisite: COMM 1003.

COMM 2013 Audio Production

Practical applications are required in the study of audio production within the University's radio station. Student will develop audio production skills both in pre-production and live announcing studios. Prerequisite: COMM 1003.

COMM 2243 Public Speaking

Analysis and practice in the composition and delivery of speeches with various purposes in diverse settings, including examination of rhetorical criteria for evaluation of content and presentation. Study of celebrated speeches and speakers. Prerequisite: SPCH 1113.

COMM (HUM) 2413 Theatre Appreciation

A survey and analysis of theatre history, literature, and practices relating to the theatre as a social force. This course explores the fundamentals of understanding and enjoying theatrical performances through an examination of dramatic forms, theatre development, and theatrical artistic elements.

COMM 2523 Acting

Designed to acquaint the beginning actor with the fundamentals of acting. This course explores the physical, vocal, emotional, and technical aspects of the actor's craft. The student will learn a basic approach to scene and character study through exercises, scene work, and theatre games.

COMM 2703 Radio/Television Announcing

The interpretation of radio and television copy, including news, feature scripts, sports, and commercials. Special emphasis on helping students develop their voice and presentation. Prerequisite: COMM 2013.

COMM 2723 Small Group Discussion

Study of effective communication techniques and procedures in problem-solving groups, with special emphasis on group roles, norms, and skills. Analysis of various leadership styles and techniques in group communication settings. Prerequisite: SPCH 1113.

COMM 2801 Audio Practicum

Field experiences providing learning through participation in tasks in an audio/radio facility. Prerequisites: Permission from instructor.

COMM 2811 Video Practicum

Field experiences providing learning through participation in tasks in a video/television facility. Prerequisites: COMM 2801 and permission of instructor.

COMM 2821 Mass Media Practicum

Field experiences providing learning through participation in tasks in either video or audio facilities. Placements are arranged to perform tasks that are at a higher level of skill and responsibility than those performed in COMM 2801 or COMM 2811. Prerequisites: COMM 2811 and permission of instructor.

COMM 3023 Writing for the Media

Thorough study of short-form and long-form media writing, story development, and coverage of all forms of media writing and journalism. Prerequisite: COMM 1003.

COMM 3033 Corporate Media Production

This course will develop media materials from corporate videos, public relations campaigns, annual reports, and marketing materials. Students will critique materials and engage in proposal preparation, preproduction activities, and produce selected products as appropriate. Prerequisite: COMM 1003.

COMM 3113 Public Relations Strategies

A learning and portfolio intensive class that contains an in-depth examination of the function and practice of public relations campaigns. Emphasis is on public opinion and mass media, and their direct application to public relations campaigns. The student will document the development of a large-scale public relations campaign. Prerequisite: COMM 1003.

COMM 3173 News Reporting

An examination of styles and techniques of television and radio news reporting and research with a major focus on writing skills. Emphasis is placed on research, development, composition, and presentation of radio/television news stories. Prerequisite: COMM 1003 and COMM 3023.

COMM 3233 Media Sales and Advertising

This course covers the techniques of selling a variety of media with special focus on radio and television advertising, including discussions of media coverage and circulation, use of spot advertising, media mix, and varied techniques for assessing and promoting effectiveness. Prerequisite: COMM 1003.

COMM 3253 Argumentation and Persuasion

Study of the rhetorical and psychological theories used in discourse to effect change in attitude, belief, and policy; and to construct valid and compelling arguments, with applications in policy making, legal decision making, and personal inquiry. Fundamentals of argumentation, historical and current, are explored. Prerequisite: SPCH 1113.

COMM 3413 Media Law

Includes media-related U.S. Supreme Court decisions, historical decisions, changes in communication laws, and FCC regulatory revisions. Prerequisite: COMM 1003.

COMM 3613 Mass Media Communication

Analysis of the theories and effects of the mass communication process. Includes examination of examples and effects of the media as related to our political system, children's programming, judicial system, talk shows, advertising, and new technologies.

COMM 3753 Advanced Broadcast Practicum

Advanced field experience providing learning through participation in a broadcast facility with an emphasis in both the practical and ethical responsibilities in producing a televised message. May be repeated once. Prerequisite: COMM 2003.

COMM 3833 Communications Theory

Survey of communications theory in interpersonal, mass media, and organizational contexts.

COMM 3853 Sports Broadcasting

Examines and applies journalistic and performance techniques to reporting sports in broadcasting outlets. Areas of coverage will include play-by-play, color commentary, production, and other elements to create a successful broadcast. (May be repeated for up to 6 hours) Prerequisite: COMM 2013.

COMM 4153 Nonverbal Communication

Study of the research on nonverbal behavior, with emphasis on variations and effects in various roles, cultures, social groups, and settings. Prerequisites: SPCH 1113 and COMM 1123.

COMM 4163 Global Communication

Analysis of major global communication theories and research of the evolving communication systems and practices in different nations. Special emphasis on cultural, economic, political, legal, and technological impacts of information communication media. This course will also involve training for foreign assignments. Prerequisite: COMM 1003.

COMM 4203 Media Management

Legal, social, management, and programming aspects of print media, radio-television-cable management. Prerequisites: 18 credit hours of COMM courses and senior standing.

COMM 4223 Communication in Organizations

Study of communication in complex human organizations. Course relates communication to values, leadership, and uses of power in such organizational contexts as media business and professional, social, educational, and political groups. Prerequisite: COMM 1003.

COMM 4253 Broadcast Internship

Field experience at a professional broadcast site with an emphasis in both the practical and ethical responsibilities in producing a mass media message. Students are required to document internship activities. Prerequisites: Junior standing and permission of instructor.

COMM 4283 Corporate Communication Internship

In-depth practical field experience at a corporate communication division within a corporation, public relations firm, or advertising agency. Designed for junior or senior students. Students are required to document internship activities. Prerequisites: Junior standing and/or permission of instructor.

COMM 4323 Women and Minorities in Media

Survey of past and present relationships between women and racial and ethnic minorities in the U.S. and the media. Media portrayal, employment, ownership, and access will be studied.

COMM 4513 Script Writing

Students will learn basic craft of script writing and creating an environment that encourages the writer's exploration of their individual voice. Prerequisite: ENGL 2023.

COMM 4913 Senior Capstone

Specialized projects emphasizing the student's cumulative academic experience. Will include portfolio preparation, exams, and oral reports. Senior status required in Communications.

Community Counseling**CC 3013 Multicultural Counseling**

The understanding of cross cultural helping relationships and the integration of effective counseling skills with diverse populations, including the study of cultural patterns, communication, and perspectives. The student will develop knowledge of cultural influences that impact the helping relationship.

CC 3023 Community Counseling and Therapy

An introduction to the counseling profession, including the study of theoretical foundations, therapeutic practices, and ethical standards and guidelines in helping relationships. The primary objective of this course is to increase the student's knowledge and skill concerning the methods and techniques in counseling. Prerequisite: CA 1213.

CC 4013 Individual Appraisal

The critical study of tests and measurements, and their administration and usage in human service settings. The student will acquire the necessary knowledge and skills to administer, score, and interpret instruments used in counseling settings. Prerequisite: CC 3013.

CC 4513 Research and Evaluation in Counseling Senior Seminar: Capstone Experience

All graduating seniors are required to take a semester-long, three-credit seminar in which they conduct research on some issue related to a human service setting. This experience is designed to help them learn how to investigate, analyze, and synthesize information about practical, behavioral, and societal issues using skills developed through their program and apply their information to the human service field. Developing written and oral presentations about their research enhances students' ability to communicate and enter into dialogue with others about such issues. Prerequisite: SBS 3013,

Computer-Aided Design Technology

CAD 2114 Computer Graphics I

A study of real time graphics computer system as related to processor and graphics related peripherals. Included is the study and application of graphics language.

Computer Science

CS 1113 Microcomputer Applications

This course is designed for those who intend to be computer users rather than programmers. Successful completion of this course will satisfy the computer literacy requirement. Students will learn how to use the Internet, email, the Windows Operating System, a word processor, a spreadsheet, database management, and a presentation package.

CS 1123 Word Processing I

The class is designed for the beginning word processing student and will cover creating, revising, printing, formatting, moving, multiple page documents, repetitive documents, spell check, plus using the thesaurus and creating reports. Touchtyping is required.

CS 1133 Excel

This course is a full semester course covering the world's number one personal computer spreadsheet. Topics in the course include Excel menus, formatting, filling, and manipulating Excel spreadsheet cells, Excel formulas, and Excel Macros. Prerequisite: CS 1113.

CS 1163 Access

This is a full semester course covering the world's number one personal computer database management system. Topics in the course include data formatting and entry in Access table fields, manipulation of data within and across tables, and Access interfaces to external systems.

CS 1213 Introduction to Computing

Introduction to programming logic, analysis of problems, language-independent program design and algorithms. Corequisite: IT 1411 or equivalent.

CS 2163 Web Site Design and Development

This course will cover how to create Web pages using popular site development software and current Web site development language(s). Topics include building, formatting, and enhancing pages; adding graphics, advanced graphics and multimedia; creating and updating forms; creating tables and frames; and managing the structure and design of Web pages.

CS 2213 Visual Basic

Introduction to the computer language Visual Basic. Students write, compile, debug, execute, and test Visual Basic programs. Prerequisite: CS 1213 Introduction to Computing or instructor's permission.

CS 2223 Programming I

Structured programming, operators, variables, loops, decisions, functions, pointers, input/output, data types, structures, and file operations will be treated using a popular programming language. Beginning object-oriented programming topics may also be covered. Prerequisite: CS 1213 Introduction to Computing or instructor's permission.

CS 2293 Java Programming

This course will cover Java, a new standardized and highly portable object-oriented computer language including features supporting use in computer applications systems development generally and client-server distributed system development specifically. Additionally, Java features support for Web site development; parallel processing (threads); automatic memory allocation, de-allocation, and specific exclusion of pointers. Prerequisite: C programming knowledge.

CS 2323 Programming II

Advanced skills in solving problems such as sorting algorithms, list processing, recursion, and code management. Prerequisite: CS 2223 Programming I or equivalent.

CS 2970 Special Topics in Computer Science

A study of applied problems in computer science. Designed to allow students the opportunity to study special topics. (1-4 credit hours.)

CS 3213 Multimedia Development

The following topics may be included: image manipulation, animation, audio and video creation, and streaming media technologies. Prerequisite: CS 1113.

CS 3223 Data Modeling

This course provides a strong background in relational databases and introduces fundamental database and application development concepts and techniques. Prerequisite: CS 2323.

CS 3333 Object-Oriented Technology

An object-oriented (OO) computer language will be covered in the implementation of applications involving complex data structures. Topics include classes, objects, encapsulation, inheritance, polymorphism, and virtual functions. Prerequisite: CS 2323.

CS 3363 Data Structures

The analysis and implementation of standard data structures such as trees, queues, linked lists, graphs. Prerequisites: CS 3333 and MATH 3433/CS 3433.

CS 3413 Systems Analysis

Covers the concepts, skills, methodologies, techniques, tools, and perspectives essential for systems analysis to successfully develop information systems. Prerequisite: CS 2323 or equivalent programming experience.

CS 3423 Software Engineering

Software systems projects are completed by students using CASE (computer aided software engineering) tools, based on a standardized computer software modeling language and automatically generated computer code in a computer language of choice. Prerequisite: CS 3413.

CS (MATH) 3433 Discrete Mathematics

Logic, set theory, order, algorithms, mathematical proof including induction, recursive functions and recursive algorithms, combinatorics. Prerequisites: MATH 2264 and CS 2223.

CS 3523 Distributed Systems Development

Study of distributed application development and database management in a client-server environment. Prerequisites: CS 2323 and IT 3153.

CS 3573 Operating Systems

This course covers computer operating systems theory, including consideration of what an operating system is, how it is designed and constructed, and how it operates internally. Aspects of operating systems covered include process management, memory management, I/O systems, distributed systems, and protection and security. Prerequisite: IT 3723.

CS 3623 Human-Computer Interface

An exploration of GUI (Graphical User Interface) development and human-computer interaction using a popular RAD [Rapid Application Development (software development)] tool. Prerequisite: CS 2323 or equivalent programming experience.

CS 3733 Computer Graphics Programming

Programming of two- and three-dimensional transformations, curves, hidden surface removal, illumination, and color models. Prerequisites: Math 3523 and CS 3333.

CS 3753 Introduction to Modeling and Simulation

Fundamentals and principles of simulation modeling. Systems dynamics modeling, stochastic modeling, discrete event simulation, Monte Carlo method. Applications of modeling and simulation in interdisciplinary fields. Prerequisite: MATH 3523.

CS 3813 Game Programming I

An introduction to game programming focusing on the use of game engines and hardware interactions for input and output. Prerequisites: CS 3733, PHYS 3113, and CS 3363.

CS 3823 Game Programming II

Intermediate game development. Topics are networked games, sound manipulation, advanced 3D programming. Prerequisite: CS 3813.

CS 4403 Games Development Seminar

Advanced topics in game design, software project management, and the game industry. Prerequisite: CS 3823.

CS 4504 Capstone

The implementation and testing of a large scale game in a team environment. Prerequisite: CS 4403.

CS 4523 Advanced Web Systems Development

This course explores electronic commerce and applications of Internet technology. Topics include electronic data interchange, the Internet and the World Wide Web, and intranets – all with a primary emphasis on business and commercial applications. Study of Web site programming including such languages as XML, Java script, VB script, and CGI, and using such tools as Microsoft's Interdev. Prerequisites: CS 2163 and CS 3333.

Cooperative Work Experience**COED 1120 Introduction to Work Experience**

Student position matching will be arranged so the experience is a progressive and planned part of the total educational program of the student. This includes interviewing techniques, setting career goals and objectives, preparing a resume, and tips on obtaining and keeping a job. Supervision and evaluation is by the employer and a faculty member from the student's major, or a closely related field. One to four credit hours each semester, not to exceed eight hours total.

COED 1123 Intern

On the job training as an intern.

COED 2110 Advanced Work Experience

Integrates the learning that takes place in the classroom with the work experience. Students may use the cooperative education experience as a part of a career development process. This class is designed to assist the student, the employer, and the coordinator in evaluating the cooperative work experience. (1–4 credit hours each semester, not to exceed eight hours total.)

Criminal Justice

CJ 1113 Introduction to Criminal Justice

An introduction to the primary components of the criminal justice system - law enforcement, the court system, and corrections - and their general operating processes and responsibilities; the legal, social, and ethnical issues influencing criminal justice; and, the availability of criminal case file information to the public.

CJ 1213 Introduction to Corrections

A survey of corrections including a review of the history and development of the system; roles and functions of participants; and prevention, treatment, and supervision programs for offenders.

CJ 2013 Criminal Law I

The study of criminal laws including the classification of criminal offenses, elements of crimes, ranges of punishment and basic defenses to criminal charges. Prerequisite: CJ 1113.

CJ 2023 Criminal Law II

A study of Oklahoma substantive criminal law and procedure with an emphasis on its application in law enforcement operations.

CJ 2140 Law Enforcement Internship

On-the-job learning experience in a law enforcement or security organization. Must have completed a minimum of 12 college credit hours in criminal justice. Internship limited to one semester. Self-instruction sheet will outline procedures. (1-4 credit hours.) Prerequisite: Permission of the program coordinator.

CJ 2150 Criminal Justice Seminar

The study of law enforcement procedures, problems, and topics. May be repeated for a total of 12 credit hours. (1-4 credit hours.)

CJ 2343 Community Relations

An examination of the relationship between law enforcement and the community, including programs in community policing, human relations, and crime prevention. The course will examine ethics, conflict resolution, cultural diversity, and professionalism.

CJ 2523 Interrogation Seminar

Basic fundamentals and proper techniques of interviewing and interrogating witnesses and suspects in law enforcement situations.

CJ 2533 Patrol Techniques Seminar

The role, responsibilities, and duties of a local police patrol officer; an examination of the police patrol function; and crime prevention and suppression methods.

CJ 2553 Traffic Administration and Investigation

A study of traffic enforcement, education, and engineering; traffic accident investigation, analysis, and reconstruction; and traffic enforcement methods and techniques.

CJ 2563 CLEET I

A practicum of proprietary law enforcement concepts, skills, and techniques for community relations, patrol, CPR, and first aid. Prerequisite: CJ 2013, completion of at least one-half of the General Education requirements (21 hours), acceptance into the CLEET Collegiate Officer Program, and COP Director's permission.

CJ 2711 CLEET Firearms

The Council on Law Enforcement Education and Training basic police firearms training course. Restricted to Collegiate Officer Program students. Prerequisite: COP Director's permission.

CJ 2721 CLEET Custody and Control

The Council on Law Enforcement Education and Training basic police custody and control training course. Restricted to Collegiate Officer Program students. Prerequisite: COP Director's permission.

CJ 2731 CLEET Law Enforcement Vehicle Operation

The Council on Law Enforcement Education and Training for basic police law enforcement vehicle operation training course. Restricted to Collegiate Officer Program students. Prerequisite: COP Director's permission.

CJ 3003 Criminalistics

The fundamentals of criminal investigations encompassing the search, recognition, collection, transportation, and presentation of physical evidence in criminal proceedings and the evidentiary rules governing admissibility during criminal legal proceedings. Prerequisite: CJ 2013.

CJ 3013 Criminal Procedures

An analysis of the constitutional protections most frequently implicated by routine police conduct, the primary United States Supreme Court decisions interpreting the constitutional validity of police action with special emphasis on arrest, search and seizure, right to counsel, consent, and out-of-court identification; and the Federal statutes imposing civil liability of police and correctional officers for unconstitutional conduct. Prerequisite: CJ 2013.

CJ 3023 Communications for Justice Professionals

Development of advanced communication skills, both written and oral, with emphasis on writing formats used by justice professionals. Formats will include investigative reports, affidavits for search & arrest warrants, and the development of strategic plans. Prerequisites: ENGL 1213 and (ENGL 2333 or SPCH 1113).

CJ 3113 CLEET II

A practicum of proprietary law enforcement concepts, skills, and techniques for advanced patrol and traffic administration. Prerequisite: CJ 2563, CJ 3013, good standing in COP Option, and COP Director's permission.

Economics**ECON 2113 Principles of Macroeconomics**

A study of economy-wide resource allocation choices and macroeconomic policies that affect unemployment, inflation, national income, and economic growth.

ECON 2123 Principles of Microeconomics

The development and application of price theory to the resource allocation decisions of individuals and market participants.

ECON 2190 Seminar in Economics

Designed to apply economic theory to real-world situations. Prerequisites: ECON 2113 and ECON 2123. (1-4 credit hours.)

ECON 3003 International Economic Issues and Policies

A survey of global economic issues and policies that are related to international trade and finance.

ECON 4413 Comparative Economic Systems

The economics of socialism and capitalism, major world trading blocs, and developing countries and those in transition. Prerequisite: ECON 2113 and ECON 2123.

Emergency Medical Services**EMS 1003 Anatomy and Physiology for Pre-hospital Providers**

A beginning course for pre-hospital providers presenting human body structures and function. Prerequisite: Admission to the EMS Program.

EMS 1053 First Responder

A study of basic life support and emergency care to minimize further patient injury until the arrival of pre-hospital care providers.

EMS 1104 Introduction to EMS and Patient Assessment

A study of the emergency medical service system and patient assessment. Content includes EMS systems/roles and responsibilities of the paramedic, well-being of the paramedic, injury/illness prevention, medical/legal issues, ethics, therapeutic assessment, clinical decision making, communications, and documentation. Laboratory included. Prerequisite: Admission to the program.

EMS 1108 Basic Emergency Medical Technology

A study of the role of the EMT, including CPR, triage, patient assessment, treatment of shock, hemorrhage, unconscious patient, fractures, traumatic injuries, medical emergencies, and light extrication. Field and hospital practicums are integral parts of the course.

EMS 1113 Pharmacology for Pre-hospital Providers

A study of pathophysiology and emergency pharmacology, including actions of drugs on body systems and nervous system effects. Laboratory included. Prerequisite: EMS 1003.

EMS 1124 Advanced Skills in Emergency Medical Services

A study of adult and pediatric medication administration, venous access techniques, and airway management and ventilation skills. Laboratory and clinical practicum included. Prerequisite: EMS 1003.

EMS 1141 Emergency Vehicle Operators Course

This course presents the safe practices and operation of an emergency vehicle within a variety of situations. Human aspects, acquired abilities, physical forces, and state laws regarding safe vehicle operations are discussed. Vehicle performance on a driving course is an integral part of this course.

EMS 1203 Field Operations

A study of EMS field operations, including medical incident command, ambulance operations, rescue operations, hazardous material incidents, and crime scene awareness. Laboratory included. Prerequisite: EMS 1124.

EMS 1208 Intermediate Emergency Medical Technology

A study of patient treatment including IV fluid therapy, intubation, and advanced airway care. Advanced patient assessment and shock management also included. Field and hospital practicums are integral parts of this course. Prerequisite: EMS 1108.

EMS 1213 ECG Interpretation

A study of the conduction system of the heart. Recognition of common non-lethal and lethal cardiac dysrhythmias and ECG performance and interpretation. Laboratory included. Prerequisite: Admission to the program.

EMS 1225 Trauma Assessment and Management

A study of trauma assessment and management emphasizing trauma systems, hemorrhage, and shock; soft tissue trauma; burns; trauma to the head and face, spine, thorax, abdomen, and musculoskeletal system. A Pre-Hospital Trauma Life Support (PHTLS) course is included. Laboratory and clinical practicum included. Prerequisite: EMS 1124.

EMS 2104 Medical Emergencies

A study of the assessment and management of neurology, endocrinology, allergies and anaphylaxis, gastroenterology, renal/urology, toxicology, hematology, environmental conditions, infectious and communicable diseases, behavioral and psychiatric disorders. Laboratory included. Prerequisite: EMS 1225.

EMS 2112 Special Needs in Emergency Medical Services

A study of geriatrics, abuse and assault, patients with special challenges, and acute interventions for chronic care patients. Assessment-based management of a variety of common complaints is also discussed. Laboratory included. EMS 1225.

EMS 2125 Cardiac/Respiratory Emergencies

A study of assessment and management of respiratory and cardiac related emergencies. An Advanced Cardiac Life Support (ACLS) course is included. Laboratory and clinical practicum included. Prerequisite: EMS 1225.

EMS 2202 OB/GYN Emergencies

A study of assessment and management of obstetrical and gynecological emergencies common in emergency medical services. Laboratory included. Prerequisite: EMS 2125.

EMS 2224 Pediatric Emergencies

A study of assessment and management of neonatal and pediatric emergencies common in emergency medical services. A Pediatric Advanced Life Support (PALS) course is included. Laboratory and clinical practicum included. Prerequisite: EMS 2125.

EMS 2244 EMS Leadership

This capstone course for degree-seeking students integrates all didactic, psychomotor skills, and clinical instruction presented throughout the program to demonstrate entry-level paramedic ability. Classroom hours will focus on clinical decision making and communication skills. Supervised hospital and field clinical experiences are an integral part of this course. This course includes experience with EMS field supervisors to emphasize leadership and management decision-making skills. Clinical practicum included. Prerequisite: EMS 2125.

Engineering**ENGR 1411 Engineering Orientation**

Lectures on engineering as a profession, electronic calculators, statistical presentation of data, graphical analysis, and engineering problem solving. Recommended for all pre-engineering and engineering technician majors.

English**ENGL 0003 Basic Writing I**

This course is for students who need to review basic grammar rules and mechanics. Included within this course is intensive instruction in grammar, mechanics, and paragraph structure. The course also provides instruction in essay writing, editing, and proofreading. This course does not apply toward total credit hours for graduation.

ENGL 1001 Essay Writing

This course is designed to enhance/improve students' writing abilities leading to a successful college experience. Essay Writing will include development of the structure of an essay and presentation of material in an academic format.

ENGL 1113 Composition I

Required of all students. This course prepares students for college-level writing. Essay organization, development, and style, as well as critical thinking skills will be emphasized.

Note: Placement standards may require students to take one or more preparatory courses before being admitted to ENGL 1113.

ENGL 1213 Composition II

Basic requirement for graduation. A continuation of the writing experiences begun in Composition I. Writing experiences are concurrent with thematic material, including imaginative literature and writing across the curriculum. Incorporation of research techniques leading to production of research papers. Prerequisite: ENGL 1113.

ENGL 2023 Creative Writing

This course will focus on writing poetry and fiction. Students will be encouraged to discuss their writing in this workshop. Prerequisite: ENGL 1113 or instructor's permission.

ENGL 2313 World Literature to 1600

A survey of significant world literature from the beginning of the written word to 1600, as evidenced in fiction, drama, essays, and poetry. Includes a study of various literary genres and conventions, research techniques, critical writing exercises, and discussion.

ENGL 2333 Technical Writing

Introduction to technical writing, focusing on forms of applied writing in each student's area of specialization. Prerequisite: ENGL 1113.

ENGL 2543 British Literature to 1700

A survey of British Literature from the origins of language to 1700.

ENGL 2613 Introduction to Literature

Introduction of various genres of prose (fiction, drama /film) and poetry. Includes literary terms, verse, image, and language of poetry. Also includes research techniques, critical writing exercises, and discussion. Humanities elective.

ENGL 2653 British Literature from 1700

A survey of British literature from 1700 to the present.

ENGL 2773 American Literature to 1865

A survey of American literature from its colonial beginning to approximately 1865.

ENGL 2883 American Literature from 1865

A survey of American literature from approximately 1865 to the present.

ENGL 2933 World Literature from 1600

A survey of world literature from 1600 to present, as evidenced in fiction, drama, essays, and poetry. Includes a study of various literary genres and conventions; research techniques; critical writing exercises, and discussion.

ENGL 3033 Creative Writing for Game Design

This course will examine the intrinsic creative elements of game design and provide students with the crucial skills required for designing their own original games for the retail market. Prerequisite: ENGL 1213. Highly recommended: ENGL 2023.

ENGL 3113 Advanced Technical Writing

In-depth study of technical writing required in business and science careers and in graduate schools. Focuses on forms of applied writing with required research in each student's area of specialization. Prerequisite: ENGL 1213.

ENGL 3123 Topics in Advanced Composition

Practice in writing with emphasis on style and strategies of composition. Focus varies: practice in various literary genres; study of rhetoric, practice in various modes; argumentative writing; advanced expository writing. Prerequisite: ENGL 1113 and ENGL 1213 or instructor's permission.

ENGL 3423 The Novel

Consideration of the work of major novelists. Course will be comparative and based on concepts to include theme and artistic expression.

ENGL 3443 Studies in Poetry

This course analyzes the elements, forms, and history of poetry written in and/or translated into English. The course will be comparative and historical, tracing developments in poetry from its beginnings to the present. Prerequisites: ENGL 1113 and ENGL 1213.

ENGL 4133 Fiction Writing

Intensive writing of short stories, with class attention to writing process, style, technique, revision, and contemporary developments in the genre. Prerequisite: ENGL 2023 or instructor's permission.

ENGL 4143 Poetry Writing

Intensive writing of poetry, with class attention to writing process, style, technique, revision, and contemporary developments in the genre. Prerequisite: ENGL 2023 or instructor's permission.

ENGL 4223 Shakespeare

Analysis of a selection of Shakespeare's tragedies, comedies, histories, sonnets, and other lyric poetry. Selected criticism, 1600 to the present. Historical background and Shakespeare's theater.

ENGL 4453 Literary Traditions

Literature studied includes, but is not limited to, world, British, and American literature approached thematically, regionally, historically, and generically.

ENGL 4710 Directed Studies

Intensive independent reading and research on a selected topic, writer, or movement in literature, criticism, research, or rhetoric. 1-3 credit hours. Open to students in a graduating semester.

Entrepreneurship

ENTR 3233 Marketing for the Entrepreneur

Identifies and applies the different marketing visions, approaches, and practices used by entrepreneurs to compete in highly competitive markets, identifying the differing strategic and tactical focuses and applications used by today's entrepreneurs for the strategic application of various technologies. Prerequisite: MKTG 3113.

ENTR 3303 Entrepreneurial Finance

Focuses on the primary financial elements necessary in starting, growing, and harvesting a business, to include financial assessment of opportunity, marshaling resources, bootstrapping, creating the financial package cash flow, and sources of capital. Prerequisite: FINA 3503.

ENTR 4013 New Venture Development

Focuses on the early development of independent ventures as well as those within established organizations, addressing thought processes of entrepreneurs that challenge existing norms and pave the way for novel solutions to problems at both the individual and organizational levels. Prerequisite: MGMT 3013.

ENTR 4323 Managing the Growing Business

Teaches the students to anticipate the unique and specific problems that accompany starting and growing an entrepreneurial firm by creating value through innovation and opportunity capture rather than by merely the efficient management of ongoing operations. Prerequisite: MGMT 3013.

Finance

FINA 3503 Principles of Finance

An introductory course in financial management of capital in a business firm. Operational and strategic financial problems are covered including allocation of funds, asset management, financial information systems, financial structure, policy determination, and analysis of the financial environment. Prerequisite: ACCT 2203.

Geography

GEOG 1113 General Geography

A general course in introductory geography concerned with natural and cultural features of the world's landscape.

GEOG 2243 Human Geography

An introduction and general education course that emphasizes the interrelationship of the physical environment and human responses.

Geology

GEOL 1014 Earth Science

Study of the sciences related to Earth and our solar system—geology, meteorology, oceanography, and astronomy. Lab required.

GEOL 1114 Physical Geology

Geology of the physical Earth, materials of which it is made, the processes that act on these materials, and the products formed by the processes. Subjects of interest are examined in light of the plate tectonic theory: rocks and minerals, weathering and erosion, volcanoes, earthquakes, glaciers, streams, groundwater, and mountain building. Lab required.

GEOL 1124 Physical Geography

A course dealing with the study of Earth's crust, oceans, soils, landscapes, weather, and climates. Lab required.

GEOL 1224 Historical Geology

Study of the history of the physical Earth and the evolution of its life forms through geologic time-development of Earth's major features by the process of plate tectonics. Lab required. Prerequisite: GEOL 1114 or GEOL 1014.

GEOL 2124 Astronomy

Study of the astronomical universe and the perspectives used by astronomers in scientific study of the cosmos, the planets, and the birth and death of galactic objects. Lab required. Four credit hours.

German

GERM 1113 Beginning German

Grammar, phonetics, and simple readings in German.

Health, Physical Education, and Recreation

HPER 1031 Physical Education Activity

Individual and group activity for general physical improvement. Includes roller skating, weight training, conditioning, jogging, yoga, aerobics, tennis, badminton, figure control, lap swimming, beginning soccer, beginning archery, self defense, racquetball, and selected sports.

HPER 1032 Physical Education Activity

The personal approach to physical fitness designed to teach the principles of cardiovascular endurance, proper weight control, increased strength and flexibility, and ability to relax.

HPER 1581 Defensive Techniques

Fundamentals of self-defense.

Health Science

HLSC 1051 Blood Borne Pathogens and Hazard Communication

This course presents a summary of the OSHA blood borne pathogens and hazard communication standards; an introduction to chemical, physical properties and hazards; and precautionary strategies to prevent transmission of communicable diseases, particularly blood borne pathogens. Health hazards and safety procedures will be presented.

HLSC 1123 Health Concepts

A study of health concepts, individual choices, and health strategies. The role of the health consumer as critical thinker and evaluator of goods and services is emphasized. Major topics areas include: emotional health and problems, nutrition, drugs and drug abuse, reproduction and pregnancy, and diseases.

HLSC 1233 Medical Terminology

A study of physiological systems approach to provide principles of medical word building. Provides medical vocabulary including anatomy, physiology, systems, diagnostic testing, and pharmacology. This course is appropriate for health science students such as nursing, paramedic, and physical therapy assistant.

HLSC 1813 First Aid

A fundamental course presenting basic first aid theory and techniques in accordance with national standards. This course prepares the first aid responder to recognize emergencies and make appropriate decisions for first aid care. The emphasis is on CPR, victim assessment, and treatment of common emergencies.

HLSC 2183 Athletic Injuries

A study of common athletic injuries of the ankle, knee, shoulder, head, and neck. The role of the athletic trainer will be studied, including rehabilitation and liability issues. Major topic areas include physical conditioning, systematic evaluation of injuries, and taping techniques. Prerequisite: instructor's permission.

HLSC 3323 Pathophysiology for the Health Professions

Fundamentals of pathophysiology are introduced and focus on essential concepts of disease processes. Major disorders and selected diseases are presented in a concise approach preparing the health major with concepts for clinical practice. Prerequisite: BIOL 3204.

History

HIST 2013 World Civilization I

A survey of major trends in world civilization from the beginnings of civilization in 3,000 BC to mid-sixteenth century. Includes all major regions of the world.

HIST 2023 World Civilization II

A survey of major trends in world civilization from the mid-sixteenth century to the present. The scope of the course includes the Enlightenment, the Industrial Revolution, nationalism, imperialism, communism, fascism, the World Wars, and the Cold War.

HIST 2063 Oklahoma History

Oklahoma history from date of discovery to the present, including changes in sovereignty, development through each era, contribution of the Indian, formation of the state, and basic law.

HIST 2463 Seminar in the Civil War—The Daily Life of the Civil War Soldier I

A study of the Civil War as seen through the eyes of the soldiers who fought in it, detailing their lives from enlistment through training, campaigning, and camp life. Students will be required to join the Civil War Re-enactment unit on campus (Company B, 15th Missouri Infantry), and learn about the subject matter by reliving it.

HIST 2473 Seminar in the Civil War—The Daily Life of the Civil War Soldier II

A continuation of HIST 2463. A study of the Civil War as seen through the eyes of the soldiers who fought in it, detailing their lives from enlistment through training, campaigning, and camp life. Students will be required to join the Civil War Re-enactment unit on campus (Company B, 15th Missouri Infantry), and learn about the subject matter by reliving it.

HIST 2483 American History to 1877

From the peopling of the continent to 1877; European origins and colonization; revolution and the development of federalism, nationalism, and democracy; foreign relations; political parties; and Civil War and Reconstruction.

HIST 2493 American History since 1877

From 1877 to present. Post-reconstruction, industrialism, immigration, reform movements, race, gender and ethnicity, cultural conflicts, the welfare state, and international relations.

HIST 3013 Modern Europe

Surveys the economic, social, political, and intellectual history of Europe from the European discovery of the New World to the present day. Emphasizes major developments of the period to include the Protestant Reformation, Absolutism, the Scientific and Industrial Revolutions, Napoleon Bonaparte, the World Wars, the Cold War, and the demise of the Soviet Union and the Eastern Bloc. Offered in alternate years.

HIST 3023 The Civil War: Seminal Event in American History

A study of the events that led up to the Civil War and the military, political, economic, cultural, and social aspects of the war.

HIST 3053 Famous Trials in American History

Investigations of major trials in which legal, cultural, social, and political issues intersect and received widespread attention.

HIST 4013 Nazi Germany

Examines the military, political, social, economic, and intellectual developments in Germany from World War I to the fall of Adolf Hitler and the National Socialist state in 1945. Course pays considerable attention to the creation and nature of Germany's abortive experiment in democracy, the Weimar Republic, and the events leading to the establishment of the totalitarian state.

HIST 4033 Cultural Warfare: Major Controversies in US History

A study of clashes between social and cultural systems, including such topics as antebellum Northern and Southern societies, Darwinists and their opponents, and competing visions of religious and secular authority.

HIST 4043 Reformers and Liberators

Examination of major reform periods in nineteenth and twentieth-century America, including antebellum reform, Populism, Progressivism, New Deal, Great Society, Civil Rights, feminism, and sexual liberation movements.

HIST 4123 Revolutionary America 1763-1783

This course is a study of the development of friction between Great Britain and the American colonists, and an examination of various events leading up to the American Revolution. Military campaigns, political aspects, social aspects, and cultural issues relating to the war will also be studied. Prerequisite: HIST 2483.

Honors

HONS 1113 Freshman Honors Seminar

Orientation to the Rogers State University Honors Program. Emphasizes the fundamentals of critical thinking and research skills, and encourages students to explore Western cultural traditions of liberal arts education. Includes reading and research in the student's particular academic field. Prerequisite: Enrollment in Honors Program.

HONS 2113 Sophomore Honors Seminar

Integration of sophomore honors and degree curriculum with independent reading and research. Presentation of research results. Service learning component possible. Prerequisite: HONS 1113.

HONS 3113 Junior Honors Seminar

Integration of junior honors and degree curriculum with independent reading and research. Students will present their progress in oral and written form, preparing for their capstone project. Prerequisites: HONS 2113 and junior status.

HONS 4113 Senior Honors Capstone

Integration of senior honors and degree curriculum with independent reading and research. Inception and actualization of original, specialized project, designed to investigate, analyze, and synthesize information in field of study, using skills developed in the program(s). Written and oral presentation. Project may be combined with capstone experience in degree program. Prerequisite: HONS 3113.

Humanities**HUM (ART) 1113 Art Appreciation**

Illustrated lecture course surveying the role and dimension of art with a general examination of art theory, art media, and art history.

HUM 2003 History of Theatre

Acquaints the student with the development of drama, theatre, and production procedures through the ages from 500 BC to the present.

HUM 2113 Humanities I

A chronological survey of humanity through a cross-disciplinary study of humanity's ideas, discoveries, and creative achievements from the pre-history through the medieval period.

HUM 2223 Humanities II

A chronological survey of humanity through a cross-disciplinary study of humanity's ideas, discoveries, and creative achievements from the Renaissance through the modern period.

HUM (COMM) 2413 Theatre Appreciation

A survey and analysis of theatre history, literature, and practices relating to the theatre as a social force. This course explores the fundamentals of understanding and enjoying theatrical performances through an examination of dramatic forms, theatre development, and theatrical artistic elements.

HUM (MUSC) 2573 Music Appreciation

The course is designed to cultivate a broader listening and appreciative attitude toward music. Lectures with musical illustrations on important works of musical literature are included. Humanities elective.

HUM 2603 Introduction to the Old Testament

A survey of the writings included in the Old Testament with attention to their original social, political, and religious context.

HUM 2623 Introduction to the New Testament

A survey of writings included in the New Testament with attention to their original social, political, and religious context.

HUM 2893 Cinema

Introduction to the basics of motion pictures, film theory, history, and appreciation.

HUM 3113 Studies in African-American Culture

A study of African-American culture and its role within the general cultural fabric of America, including an investigation of African-American history, literature, music, religion, visual arts, and other achievements.

HUM 3213 Studies in Latin American Culture

A study of Latin American culture and its role within the general cultural fabric of America, including an investigation of Latin American history, literature, music, religion, visual arts, and other achievements.

HUM 3633 Comparative Religion

A comparative study of traditions, scriptures, theologies, major figures, and practices of world religions through an investigation of cross themes and contrasts.

HUM 3733 Medical Humanities

This interdisciplinary course will examine a diverse and historical range of literary works by medical practitioners and patients. Assigned readings will focus on central issues in medicine such as pain, illness, treatment, depression, mourning, death-and-dying, doctor-patient relationships and medical narratives.

HUM 4003 Multimedia Communications

An aesthetic consideration of the most effective ways to integrate written/oral and visual language. Special attention will be paid to corporate communication issues and the public sector, film, television, print, performance, and visual communication, as well as movements in digital or cyber communications and other emerging technologies.

HUM 4013 Capstone Project/Portfolio I

The Capstone Project/Portfolio is an original, specialized project, integrating the student's cumulative academic experiences. Preparation for the Senior Project begins in the junior year with consultation with advisors. Prerequisite: senior status.

HUM 4113 International Cinema

Intensive study and research on international cinema focusing on, but not limited to, a particular national cinema, director, genre, body of criticism, or historical time period. Prerequisite: HUM 2893 or equivalence.

HUM 4413 Women in Literary and Visual Arts

An interdisciplinary study of the literary and artistic productions of women in Western culture. Considers relevant issues including, but not limited to, gendered productions, socio-historical contexts, and critical theory. Prerequisites: HUM 2113, HUM 2223, and ENGL 1213.

HUM 4993 Seminar in Humanities

A reading, research, and/or lecture seminar on a particular topic, period, or genre. Seminars will require extensive reading of, and reports on, primary and secondary works and/or research project(s). Student discussion will be paramount. Prerequisite: Senior status.

Information Technology

IT 1411 Orientation to Computer Technology

The student will be introduced to such varied topics as common IT terminology, career planning, basic programming logic, ethics, and other IT issues. The Business Information Technology portfolio project will also be discussed.

IT 2143 Introduction to Networking

Explores the theory and terminology of both local and wide area computer networks and their proper application to business and industry problems. Corequisite: IT 1411 or equivalent.

IT 2153 Network Operating Systems I

A popular operating system will be covered in detail. A study of components, functions, and relationships of computer operating systems and their interactions with user programs will be offered. Prerequisite: IT 2143 or instructor's permission.

IT 3113 Integrated Applications

Course emphasizing the customization of off-the-shelf software such as MS Office Applications from the recording of macros to the creation of add-ons using VBA. Prerequisite: CS 1113, CS 2323, or instructor's permission.

IT 3153 Network Operating Systems II

Network operating systems used in an enterprise networking context. Investigates general networking principles and capabilities. Prerequisite: CS 2153.

IT 3253 Advanced TCP/IP Administration

This course is a study of the requirements for implementing, administering, and troubleshooting the execution of information systems that incorporate TCP/IP. Prerequisite: IT 2143.

IT 3333 Fundamentals of Electronics

Introduction to electronics, basic circuit and systems concepts including a study of resistors, sources, capacitors, inductors, operational amplified diodes, and bipolar junction transistors (BJTs). Includes mathematical models of components and Kirchoff's laws. Prerequisite: Math 2464 Analytical Geometry and Calculus III.

IT 3413 Electromagnetics

Vector analysis applied to static electric and magnetic fields, development of Maxwell's equations, elementary boundary-value problems, and determination of capacity and inductance. Prerequisite: IT 3333.

IT 3443 Digital Design

Study includes combinational circuits, optimization of finite-state machines, computer-aided design algorithms, two-level and multilevel optimization, design of sequential systems, Mealy/Moore machines, state diagrams, ASM charts, alternative implementations, state equivalence, and state reduction. Prerequisite: IT 3723.

IT 3723 Computer Architecture

The hardware levels of a computer are examined from gate level through the microprocessor. The roles of machine language, assembly language, BIOS, and the operating system are explored. Prerequisite: CS 2323.

IT 3753 Network Security

This course is a study of the requirements for implementing, administering, and troubleshooting a secure Internet access strategy in various networking situations. Prerequisite: IT 3153.

IT 4113 Network Routing

This course is a study of the requirements for implementing, administering, and troubleshooting the execution of network topologies. Prerequisite: IT 3253.

IT 4223 Analog and Digital Circuits Lab

Introduction to digital logic, counters, registers, and the design of circuits using transistor amplifier designs, oscillators, comparators, and filters. Also includes circuits incorporating digital logic, counters, and memories. Prerequisites: IT 3333, PHYS 1214.

IT 4313 Emerging Technologies

An in-depth evaluation of emerging technologies. Students will be expected to research, evaluate, and present the marketability and viability of new hardware, software, and general trends in IT. Prerequisite: Completion of four 3000-level CS/IT classes.

IT 4333 Introduction to Signals and Systems.

Introduction to the topics of time and frequency analysis and design of continuous and discrete systems and signals. Examination of continuous-time linear systems: Fourier series, Fourier transform, bilateral Laplace transform. Also includes discrete-Fourier transform, bilinear z-transform, sampling, quantization, and discrete time processing. Prerequisite: IT 3333 Fundamentals of Electronics.

IT 4353 Information Assurance and Security Management

An investigation of information assurance and security with an emphasis on the identification and management of risks and threats to information assurance, security, and privacy in the digital business environment. Prerequisites: Junior or Senior classification and one of the following courses: IT 2143, TECH 4003, or MGMT 3423; or by instructor permission.

IT 4373 Information Assurance Regulations and Ethics

An investigation into the law, policy, standards, and ethics concerning the digital resources of the business environment. Prerequisites: Junior or Senior classification and IT 4353 or by instructor's permission.

IT 4504 Capstone and Practicum

Small group project that integrates the materials in required courses. Includes discussions about professional and ethical issues.

Justice Administration**JA 3123 Current Issues in Justice Administration**

Emphasizes current developments in the legal, administrative, and operational aspects of the criminal justice system.

JA 4113 Criminal Justice Administration

Principles of management and systems theory for the administration of criminal justice agencies. Prerequisites: Justice Administration major, senior standing.

JA 4513 Crime and Public Policy

An investigation of current crime control theories, proposals, and programs. Special emphasis will be given to the synthesizing and integrating of the major concepts of coursework in the major. Prerequisites: Justice Administration major, senior standing.

Languages**LANG 1113 Foundations of World Languages**

An overview of the basic forms of world languages and their relationships to modern tongues. Preliminary references to Latin/Greek root origin with specific concentration on the fundamentals of Spanish, French, and Italian.

Legal Assisting**LA 1103 Introduction to Legal Assisting**

The course will include an overview of the legal assisting profession, the duties and ethical responsibilities of the legal assistant, and the attorney's code of conduct. A general survey of law office practices and procedures, which includes case assignment, document handling and filing, time keeping, billing, and law office communication.

LA 1123 Legal Research and Writing

This course will provide a comprehensive working knowledge and understanding of research materials and research tools. Key competencies will include the use of both manual and automated forms of legal references, understanding and distinguishing sources of law, legal research skills, and the analysis of legal research problems. Prerequisite: ENGL 1113, Pre/Concurrent requisite ENGL 1213.

LA (POLS) 2033 American Legal System

A general perspective of the legal system and judicial branch of government; introducing legal terminology, survey of practices, and ethics of legal professions.

LA 2323 Legal Specialties I

This course provides the facts and principles that form the basis of the following substantive areas of the law: Litigation, Contracts, Administrative Law, and Family Law. Prerequisites: LA 1103 and LA 1123.

LA 2283 Legal Internship

A field experience that allows the application of knowledge and skills learned in course work in an office providing legal services. Students work under the joint supervision of a faculty member and a site supervisor. Prerequisites: LA 1103, LA 1123, POLS/LA 3113, and LA 2323 or LA 3213.

LA (POLS) 3113 American Court System

An analysis of the characteristics and functions of the American Court Systems. Prerequisite: POLS 1113.

LA 3213 Legal Specialties II

This course provides the facts and principles that form the basis of law related to Bankruptcy, Business Organizations, Litigation, Real Estate, and Estate Planning and Probate. Prerequisites: LA 1103 and LA 1123.

Library Science**LSCI 1011 The Use of Books and Libraries**

Orientation to the use of libraries by college students, including the special features of the RSU Library, basic reference materials, and library service.

Management**MGMT 3013 Principles of Management**

A management course with emphasis on business ethics, management principles, and theory, along with current management practices as they relate to human behavior.

MGMT 3233 Human Resources Development

Distinguishes between training and development and addresses the functions and needs for organizational and individual training. Prerequisite: MGMT 3313.

MGMT 3303 Organizational Behavior

Approaches the functions and problems of management from a behavioral viewpoint. Examines individuals and groups in effective organizations and integrates these concepts with organizational structure and process considerations.

Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 3113, BADM 2843, and MGMT 3013.

MGMT 3313 Human Resources Management

Studies the functions of Human Resources and its role in the management of organizations. Selected theories, concepts, and principles of HR will be studied and applied in the context of the current business environment. Prerequisites: MGMT 3303 and MGMT 3013.

MGMT 3323 Compensation and Benefits

Compensation issues in organizations including: determining general wage and salary structure, total compensation systems, equity issues, legal issues, employee benefits administration, and theoretical issues. Prerequisite: MGMT 3313.

MGMT 3333 Employment and Labor

Management techniques for the administration of labor agreements, collective bargaining and union management relations, and evaluation of labor relations in union and non-union organizations. Prerequisite: MGMT 3313.

MGMT 3353 Organizational Theory

The design and interrelationships of formal organizations and the communication needs for efficiency and effectiveness.

MGMT 3413 Production/Operations Management

Analyzes the different tools used by management to improve the decision-making process in production functions. Topics include productivity, strategy, decision making, quality improvement, work measurement, and project management.

Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 3113, and BADM 2843.

MGMT 3423 Management Information Systems

Analyzes the use of information systems for management decision making. Examines traditional information systems development from the end-user's perspective. Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 3113, BADM 2843, and CS 1113.

MGMT 4033 Entrepreneurship

Examines the fundamentals of organizing a small business. Topics include entrepreneurship, the business plan, strategic planning, forms of ownership, marketing, pricing, cash flows, financial planning, and ethical and legal concerns in business.

Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 2523, BADM 3113, and MGMT 3013.

MGMT 4333 Selection and Evaluation

Theoretical, legal, methodological, and substantive issues related to selection and performance appraisal of employees.

Includes job analysis and validation, test development and administration, adverse impact analysis, and affirmative action. Prerequisite: MGMT 3313.

MGMT 4413 Quantitative Methods

Studies management science/operations research techniques used in analytical decision making. The major topics covered include: linear programming modeling and solution, distribution problems, network models, project management, and decision analysis. Prerequisites: ACCT 2103, ACCT 2203, ECON 2123, BADM 3113, and BADM 2843.

MGMT 4813 Strategies and Policies

Capstone experience that studies strategic management, including environmental analysis, strategy formulation and implementation, administrative policy, and the strategic control process. Analyzes problems confronted by upper-level managers and applies concepts from prior business courses. Prerequisite: Senior in Bachelor of Science in Business Administration.

Marketing**MKTG 3113 Principles of Marketing**

A survey course of the functions of domestic and international marketing.

MKTG 3313 E-Marketing

E-marketing addresses how businesses use the Internet and other electronic 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 engine results, advertising banners, and database marketing.

Prerequisite: MKTG 3113.

MKTG 3323 Consumer Behavior

An integrative strategic marketing approach to consumer behavior analyzing the acquisition, consumption, and disposition of goods and services by consumers and organizations. Topics will include internal and external variables that influence buying decisions, buying processes, buyer-seller relationships, positioning and branding, information processing. Issues of ethics and global marketing are considered.

Prerequisite: MKTG 3113.

MKTG 3453 Sales and Sales Management

Principles of selling are addressed. Distinguishes between the complementary functions of marketing and sales.

Management concepts including supervision, control of sales divisions, sales planning, research, motivation, compensation of salespersons, and ethical issues are discussed. Prerequisite: MKTG 3113.

MKTG 4153 Integrated Marketing Communications (IMC)

This course will examine a blended approach toward managing a company's marketing promotional mix and communications messaging and mediums. This course will explore the role of IMC in a traditional marketing plan and in an integrated marketing offer and message to targeted customers. Prerequisite: MKTG 3113.

MKTG 4223 Supply Chain Management

The physical supply and distribution function in business management, including channel selection, transportation, facility location, and materials management; concentrates on the analytical and managerial methods necessary for the development and control of an integrated logistics system. Prerequisite: MKTG 3113.

MKTG 4333 Marketing Research

Examines the systematic research to marketing management decision making including identifying problems, determining information needs, designing research, collecting data, analyzing and interpreting the data, and reporting the results of the research findings. Prerequisites: BADM 2843 and MKTG 3113.

MKTG 4343 Marketing Management

Focuses on the application of marketing concepts to managerial decision making across topic areas of corporate-level strategy, marketing research, markets, products, pricing, promotion, and distribution. Prerequisites: MKTG 4333, MKTG 3313, MKTG 3323.

Mathematics**MATH 0013 Basic Math**

This beginning algebra course contains a basic math component consisting of operations with real numbers, percentages, volumes, areas, and perimeters of simple geometric figures; metric system; English system; and scientific notation. The elementary algebra component includes the following: signed numbers, exponents, algebraic expressions, factoring, algebraic fractions, linear equations, and inequalities, systems of linear equations, and graphing. This course does not substitute for MATH 1503 or MATH 1513. This course does not apply toward total credit hours for graduation.

MATH 0113 Elementary Algebra

A beginning algebra class. Included within this course are signed numbers, exponents, algebraic expressions, factoring, algebraic fractions, linear equations and graphing. This course does not apply toward total credit hours for graduation. Prerequisite: MATH 0013 or equivalent.

MATH 0114 Elementary Algebra Plus

A beginning algebra class. Included within this course are signed numbers, exponents, algebraic expressions, factoring, algebraic fractions, linear equations and inequalities, systems of linear equations, and graphing. Lecture three hours, lab two hours per week. This course does not apply toward total credit hours for graduation. Prerequisite: MATH 0013 or equivalent.

MATH 0213 Intermediate Algebra

This class is a brief review of algebraic equations and inequalities, functions and graphs, systems of equations and inequalities, polynomials, rational expressions, roots, radicals, and quadratic functions. This course does not substitute for MATH 1503 or MATH 1513. This course does not apply toward total credit hours for graduation. Prerequisite: MATH 0114 or appropriate placement scores.

MATH 1503 Mathematics for Critical Thinking

The study of mathematics needed for critical evaluation of quantitative information. Includes basic logic/analytical reasoning, critical appraisal of graphs and tables, set theory, and introduction to descriptive and inferential statistics. Prerequisite: ACT math sub-score of 19 or equivalent.

MATH 1513 College Algebra

The study of linear functions and graphs of equations. Includes operations with functions; the study of polynomial, rational, exponential, and logarithmic functions and their graphs; sequences and variation. Prerequisite: ACT math sub-score of 19 or equivalent.

MATH 1613 Trigonometry

Includes trigonometric functions applications, identities, complex numbers, equations, inverse functions, and logarithmic functions. Pre or corequisite: MATH 1513.

MATH 1715 Pre-Calculus

This course covers the contents of college algebra and trigonometry.

MATH 1743 Calculus I for Business

Designed to acquaint the student with the applications of calculus to the solution of business problems, with emphasis on the applications to maximization, minimization, optimization, and marginal analysis. Prerequisite: MATH 1513.

MATH 2100 Seminar in Mathematics

The seminar offers the student an opportunity to study special topics in mathematics. Enrollment only by consent of the supervising instructor. (1-4 credit hours.)

MATH 2213 Mathematical Structures I

A content-oriented course for elementary teacher majors. A study of the fundamental structure of mathematics. Includes systematic problem solving, logic, set theory, properties and operations in the different number systems, various bases, number theory, and techniques of reasoning and proof. Prerequisites: ACT math sub-score of 19 or equivalent. MATH 0213 or equivalent.

MATH 2264 Analytical Geometry and Calculus I

Includes functions of one variable, rectangular coordinates, equations and properties of algebraic plane curves, limits, derivatives, differentials, anti-derivatives, definite integrals, applications of derivatives and integrals, the natural logarithm, and exponential functions. Prerequisite: MATH 1613.

MATH 2364 Analytical Geometry and Calculus II

A continuation of MATH 2264 covering applications of integration, derivatives and integrals of the inverse trigonometric functions, integration techniques, use of integral tables, indeterminate forms, improper integrals, sequences and series, Taylor and Maclaurin series, and conic sections. Prerequisite: Math 2264.

MATH 2464 Analytical Geometry and Calculus III

A continuation of MATH 2364 involving parametric equations, polar coordinates, analytic geometry in three space, vectors in two and three dimensions, vector-valued functions, derivatives of multi-variable functions, multiple integration, introduction to vector analysis, and Green's Theorem. Prerequisite: MATH 2364.

MATH (BADM) 2843 Statistics

An introduction to basic statistical terminology, organization of data, measures of central tendency and dispersion, and application of statistical techniques. Includes elementary probability, sampling, estimation, hypothesis testing, and a variety of other statistical techniques. Prerequisite: MATH 1513 or instructor's permission.

MATH 3113 Differential Equations

First-order ordinary differential equations, existence and uniqueness theorems, linear ordinary differential equations with constant coefficients, power series methods, numerical methods, and Laplace transform methods. Pre or corequisite: MATH 2464.

MATH 3413 Mathematical Structures II

A study of the fundamental structure of mathematics for non-science majors. Topics include: plane geometry; geometric motion such as translation, rotation, and reflection; polyhedra; and applications to measurement. No major or minor credit in mathematics. Prerequisite: MATH 1503, MATH 1513, or MATH 2213.

MATH (CS) 3433 Discrete Mathematics

Logic, set theory, order, algorithms, mathematical proof including induction, recursive functions and recursive algorithms, combinatorics. Prerequisites: MATH 2264 and CS 2223.

MATH 3523 Linear Algebra

Matrix algebra, solution of systems of linear equations by Gaussian elimination, determinants. Vector spaces and subspaces, bases of Euclidean spaces. Eigenvalues and eigenvectors, quadratic forms, orthogonal matrices, diagonalization of symmetric matrices. Applications. Prerequisite: MATH 2264.

Music**MUSC 1311 Jazz Ensemble I**

Open to any RSU student by audition. Explores the different genres and practices of the Jazz Ensemble through public performance. Instruction in improvisation and jazz techniques included. Course may be repeated once for credit. One credit hour.

MUSC 2311 Jazz Ensemble II

Open to any RSU student, continues exploring the different genres and practices of the Jazz Ensemble through public performance. Expanded instruction in improvisation and jazz techniques included. Course may be repeated once for credit. One credit hour. Prerequisite: MUSC 1311.

MUSC 2563 Fundamentals of Music

An introduction to fundamental music concepts, such as note and rhythm reading, performance skills, and harmonic construction of music. Major elements of music will be discussed and analyzed through practical applications, including simple composing and arranging. Intended for students with little or no formal musical training.

MUSC (HUM) 2573 Music Appreciation

The course is designed to cultivate a broader listening and appreciative attitude toward music. Lectures with musical illustrations on important works of musical literature are included. Humanities elective.

MUSC 3311 Jazz Ensemble III

Open to any RSU student, continues exploring the different genres and practices of the Jazz Ensemble through public performance. Expanded instruction in improvisation and jazz techniques included. Course may be repeated once for credit. One credit hour. Prerequisite: MUSC 2311.

MUSC 3723 History of Music

Acquaints the student with the development of music through the ages from its inception to the present.

MUSC 4311 Jazz Ensemble IV

Open to any RSU student, continues exploring the different genres and practices of the Jazz Ensemble through public performance. Expanded instruction in improvisation and jazz techniques included. Course may be repeated once for credit. One credit hour. Prerequisite: MUSC 3311.

Native American Studies**NAMS 1123 Native American Spirituality I**

Orientation and study of Native American beliefs made integral through literature, oral traditions, and lifestyles. General concepts will be studied to find similarities in a range of mythologies, and specific tribal stories will serve as contrast.

NAMS 1143 Native Americans of North America

Introduction to the inhabitants from the North Pole to southern Mexico at the centuries directly before and immediately after specific European incursions. Note will be made of cultural relationships such as languages and myths among various peoples distributed throughout the area.

NAMS 2123 Native American Spirituality II

Advanced study of Native American spirituality in comparison to Western religion, culture, and community, through participation and discussion, medicine wheel, sweat lodge, meditation, dance, etc. This class will examine spiritual growth through the study of Native American practices and values.

NAMS 2203 Native Americans of the United States

Study of the history and cultures of Native Americans around the European incursions and establishment of the United States to present. Conflicts with European explorers and rebellions of indigenous peoples and the results of such actions will be reviewed. Whenever possible, comparisons between European and Native American accounts of such events will be made.

NAMS 2233 Native Americans of Oklahoma

Oklahoma is home to more than 40 American Indian tribes, tribal towns, nations, and bands. NAMS 2233 discusses the ways in which the tribes came to reside in the present day state of Oklahoma, and also explores each tribe as a unique entity unto itself. Both contemporary and historical perspectives will be addressed, as well as contemporary cultural issues and current events.

NAMS 2403 Field Research in Native American Culture

This course is designed to be a cooperative effort between RSU and local museums and research facilities such as Gilcrease and Philbrook museums. Students will be provided a list of topics of importance to the understanding of Native American cultures to be thoroughly researched during the semester.

NAMS 2423 Indigenous Language of Native Americans

A study of the general categories of languages that are the bodies that branch into hundreds of specific local languages. Information about linguistic clues that reveal migrations and relationships to pre-tribal cultures will be discussed and researched.

NAMS 2503 Cherokee I*

The purpose of this course is to teach basic conversational Cherokee, with some emphasis on prefixes, suffixes, and roots of Cherokee words to reflect changes in the usage of words in the language.

NAMS 2583 Seminar in Native American Language

The study of other Native American languages. (Offered on demand.)

NAMS 2623 Cherokee II*

Instructions are carried out totally in the Cherokee language. No English is used. Stress is on conversational Cherokee. This method of teaching Native American languages is proving to be the most effective method yet developed.

**Conversational Native American Languages. All Native American language courses are subject to availability of instructors and current information about languages.*

NAMS 2850 Native American Seminar

This course is designed to address particular issues in regard to the Native American culture. Course content to be determined each semester offered and will be selected from, but not limited to, the following: art, language, religion, music, history, and current events. (1-4 credit hours.)

NAMS 3113 Contemporary Native American Issues

Subjects to be covered include issues regarding tribal sovereignty, religious freedom, gaming, the Native American Graves Protection and Repatriation Act, CDIB status, museum development and management, government programs relating to tribes, Indian Health Service, the Bureau of Indian Affairs, and tribal elections. Current local, state, and national events, court cases, and evolving issues regarding tribes and tribal people will be a consistent subject throughout the course.

NAMS 3263 Native American Law

An intensive review and advanced analysis of Native American law based on the foundational sets of legal principles of U.S. Federal American Indian law, the laws of tribal governments, and international laws applicable to Indigenous people.

NAMS 4123 Native American Literature

Building on the foundation of the oral tradition—stories, songs, and poems of traditional Native Americans—this course is an examination of contemporary authors and issues in Native American Literature. The course will focus intensively on a few writers and/or poets per semester.

Nursing

NURS 1111 Nursing Concepts

A study of professional nursing concepts and theory. Prerequisites: Admission to the Nursing Program, BIOL1144, BIOL 2215, NURS 1191, and ENGL 1113.

NURS 1117 Foundations of Nursing Practice

Integrated theoretical and clinical studies with focus on the acquisition of basic nursing skills for health maintenance through the life span. Prerequisites: Admission to the Nursing Program, BIOL 1144, BIOL 2215, NURS 1191, ENGL 1113, and ORIE 1151.

NURS 1191 Dosage Calculation

A study of calculation of safe medication dosages. Medication administration is not included. Class placement (or enrollment) determined by score on a specified mathematics assessment test.

NURS 1228 Therapeutic Nursing Interventions I

Integrated theoretical and clinical studies with focus on restoration of health through the life span. Prerequisites: NURS 1111 and NURS 1117.

NURS 1433 Bridge to Registered Nursing

This course is designed for licensed paramedics and licensed practical nurses who are seeking advance standing in the associate degree nursing program. Emphasis is placed on the nursing process and critical thinking as well as the role and competencies of the associate degree nurse. Prerequisites: Permission and BIOL 1144, BIOL 2215, BIOL 2124, ENGL 1113, PHAR 2113, PHIL 1213, NUTR 1113, NURS 1111, AND ORIE 1151.

NURS 2005 Basic Patient Care

This course represents prior learning by licensed paramedics and licensed practical nurses by virtue of successful completion of organized educational programs, advance standing examination and licensure. It is awarded upon admission into the Associate of Applied Science Nursing Bridge Option and completion of 12 credit hours in residency at Rogers State University.

NURS 2138 Therapeutic Nursing Interventions II

Integrated theoretical and clinical studies with focus on promotion of health through the life span. Prerequisite: NURS 1228.

NURS 2223 Transition to Nursing Practice

A study of role transition, including integration of selected clinical areas with the core competencies of professional nursing practice. Prerequisite: NURS 2138.

NURS 2246 Nursing in a Complex Environment

Integrated theoretical and clinical studies with focus on the restoration, maintenance, and promotion of health and management of acute and chronic illness. Prerequisite: NURS 2138.

NURS 4003 Professional Nursing Role

Professional Nursing Role presents the competencies of the professional nursing role that are essential to address current and future challenges to nursing and health care. It includes nursing theories to understand factors promoting or risking human development and health across the lifespan. Prerequisite: Admission to the program or permission.

NURS 4013 Health Assessment/Promotion

Health Assessment/Promotion provides a comprehensive knowledge base to collect and analyze a complete physical assessment and health database using a holistic framework and to formulate nursing diagnoses. Requires laboratory. Prerequisite or Concurrent: HLSC 3323 and Admission to the program or permission.

NURS 4015 Family Health Nursing

Family Health Nursing introduces family nursing practice during the stages of the family life cycle. Theories, concepts, and issues of family nursing and community health nursing practice are explored. It includes an in-depth study of the family and defines population aggregates as a focus of collaborative interaction. Epidemiological processes, community resources, and health issues unique to specified populations are surveyed. Requires 64 hours arranged field experience. Prerequisite: Admission to the program and NURS 4003 or concurrent.

NURS 4113 Rural Nursing

Rural Nursing integrates current health issues of individuals, families and communities that are unique to rural areas with emphasis on cultural diversity and ethnicity. The course is designed to expand community and individual long-term health issues and professional practice. Prerequisite: Admission to the program or permission.

NURS 4205 Leadership and Management in Nursing

This course presents theories of leadership, management, organization, and planned change with an expanded view of health services with emphasis on governmental or public institutions. It includes an analysis of health care systems, methods and strategies that inhibit or facilitate change. Professional and ethical issues, legislation, and emerging nursing roles are studied. Requires 64 hours arranged field experience. Prerequisite: Admission to the program, NURS 4003, NURS 4213, and NURS 4015.

NURS 4213 Nursing Science and Research

Nursing Science and Research introduces the elements of quantitative and qualitative research processes. Designed to build skills in the research process to assist the nurse to be a critical consumer of nursing research, and to develop an appreciation for the contribution of research to improvement of nursing practice. It includes a critique of published nursing research and the development of a research proposal in a selected area of interest. Prerequisite: Admission to the program and MATH 2843 and Concurrent NURS 4003.

NURS 4223 Professional Nursing Practice Seminar

This course provides the opportunity to pursue an area of special interest in professional nursing practice through independent study. Prerequisite: Admission to the program or permission and NURS 4015.

NURS 4225 Advanced Therapeutic Interventions

Advanced Therapeutic Interventions integrates current knowledge, theory, and research relevant to nursing practice and public health practice to promote and preserve the health of populations. It provides an opportunity to partner with a community and other health professionals to manage and provide resources. Requires 64 hours arranged field experience. Prerequisites: Admission to the program, NURS 4003, and NURS 4013.

Nutrition**NUTR 1113 Introduction to Nutrition**

A study of nutrients (including general functions), factors affecting utilization, food sources, dietary allowances, food economics, special needs in the life cycle, current issues in nutrition, energy metabolism, food economics, special diets, and fad diets. The role of nutrients in the functioning of the human immune system is discussed.

NUTR 3011 Geriatric Nutrition

Analysis of the effects of aging on nutritional needs and physiological processes relevant to nutrition. Special emphasis will be placed on aspects of geriatric nutrition most relevant to professional health care providers. Prerequisite: NUTR 1113 or permission.

NUTR 3021 Nutrition Aspects for the Community Health Nurse

Analysis of the role of nutrition in the public health setting. Prerequisite: NUTR 1113 or permission.

NUTR 3031 Nutrition Assessment

Analysis of the issues involved in the assessment of nutritional status in a variety of settings. Special emphasis will be placed on nutrition screening. Prerequisite: NUTR 1113 or permission.

NUTR 3041 Nutrition Management of Obesity

Analysis of the issues involved in the assessment and management of the overweight or obese patient in a variety of community and health care settings. Prerequisite: NUTR 1113 or permission.

NUTR 3051 OB/GYN and Lactation Nutrition

Analysis of the effects of pregnancy and lactation on nutritional needs and physiological processes relevant to nutrition. Prerequisite: NUTR 1113 or permission.

NUTR 3061 Pediatric Nutrition

Analysis of the effects of growth and development on nutritional needs and physiological processes relevant to nutrition. Prerequisite: NUTR 1113 or permission.

NUTR 3303 Nutrition for Sport and Fitness

A study of the role of nutrition in sport and fitness including fluid and electrolyte balance; supplements and ergogenic aids; and special problems such as bulking-up and dehydration. Prerequisite: BIOL 1144 and NUTR 1113.

Organizational Leadership**ORGL 3113 Foundations of Organizational Leadership and Personal Development**

This course is an introduction to the Organizational Leadership Bachelor of Science program. Essential components will include: overview of program expectations; principles of adult learning; resources for success including library, campus, online resources and mentoring relationships; personal wellness/stress and time management techniques; study and test-taking skills; and basic computer skills for working in an online environment.

ORGL 3223 Professional Communication

A study of communication in the workplace within a framework of organizational ethics. Essential components and course content include: listening, verbal and nonverbal communication, written expression, and professional presentation methods.

ORGL 3333 Data Analysis and Interpretation

This course will enable the student to develop an understanding of the application and interpretation of basic data analysis. Essential components and course content will include basic data analysis from a user perspective. Hands-on exercises will enable students to utilize Excel to solve problems and interpret results.

ORGL 3443 Survey of Fiscal Management

A managerial overview of fiscal management within organizations. Essential components and coursework content will include: understanding the components and articulation of financial statements, knowledge and application of financial ratios leading to an understanding of organizational performance across time and in comparison to industry standards, utilization of financial information in the acquisition of capital and budgeting decisions, and rudimentary understanding of cash flows.

ORGL 4113 Ethics and Organizations

This course is designed to examine the dynamics of workplace and personal ethics through the study of basic philosophical theories. Essential components and course content will include: leadership in the context of self-governance, responsibility, adherence to principles, integrity, and constancy of purpose. Current case studies will be used to apply ethical theories.

ORGL 4223 The Individual, the Organization, and Society

An examination of contemporary issues that affect organizations. Essential topics include environmental stewardship, social responsibility of the organization, effects and implications of globalization, the status of individual freedom within the organization, diversity, and the ramifications of technological change. This seminar course will be organized around student discussion and topical papers.

ORGL 4333 Leading and Managing

This course is a study of theories that influence leadership and management with application to a variety of work situations. Essential components and coursework content will include: basic leadership and behavior styles, negotiation, critical thinking, change, conflict resolution, ethics and social responsibility, and diversity in the workplace. Assessment of personal leadership abilities and personality traits will be included.

ORGL 4443 Markets and Stakeholders

This course introduces the student to the concept of markets and stakeholders. Essential components and course content will include: an overview of competitive markets, buyer behavior, development of new markets and products, marketing communication, distribution channels, pricing, and marketing mix strategies. It will include a discussion of external environmental factors and stakeholder analysis. Students will be able to evaluate market needs, select target markets, and develop an appropriate market mix.

ORGL 4553 Capstone

This course provides the student the opportunity to integrate concepts and theories covered in the core with their area of focus. Students will design and implement a capstone project related to their area of focus culminating in a written and oral presentation. This course must be taken in the student's final enrollment period.

ORGL 4993 Professional Internship

Supervised professional-level assignment with an organization, firm, government agency, or not-for-profit entity within the selected area of focus. Prerequisites: All core courses except for ORGL 4553 Capstone and Permission of instructor.

Orientation**ORIE 1151 The College Experience**

Preparation for success as a student, including study skills, interpersonal communications, information about opportunities available at Rogers State University, and initial steps in career planning. A course emphasizing the importance of planning, proactive learning, how to study, building community on campus, and fostering an understanding of self. The College Experience is designed to help students develop patterns and practices.

Pharmacology**PHAR 2113 Fundamentals of Pharmacology**

A fundamental course presenting the history of drug administration, legal controls, safety issues, mechanisms of drug action, and excretion. Drug groups are presented according to action and use, and individual drugs are delineated as to dosage, mode, onset, peak, duration, side effect, contraindication, precautions, interactions, and therapeutic blood level when known. Prerequisites: BIOL 2215 or LPN or NREMT-P.

Philosophy**PHIL 1113 Introduction to Philosophy**

An introduction to philosophy, mainly Western, but also including world traditions, which examines the thought of major philosophers and explores the traditional questions of philosophy about the nature of reality, knowledge, values, and humanity. Humanities elective.

PHIL 1213 Introduction to Logic

A beginning course in logic. Study of the principles of deductive reasoning, language and argument analysis, and fallacies in thought and argument.

PHIL 1313 Values and Ethics

A study of ethics and values from a comparative and structural basis to include origin and base of formulation.

PHIL 3213 Philosophy of Law

Examination of global philosophical issues related to law and politics, focusing on relationship between law and morality, the nature and functions of law, traditional concepts of justice, and contemporary discussions of political legitimacy.

Physics**PHYS 1014 General Physical Science**

An introduction to the fundamentals of physical science with emphasis in physics and chemistry. Course includes applications to other physical sciences. Laboratory required. Prerequisite: ACT math sub-score of 19 or equivalent.

PHYS 1114 General Physics I

General course including mechanics, heat, and sound. Satisfies requirements for pre-medical areas. Lab two hours per week. Prerequisite: MATH 1513. Pre or corequisite: MATH 1613.

PHYS 1214 General Physics II

General course including magnetism, electricity, and light. Continuation of PHYS 1114. Lab two hours per week. Prerequisites: MATH 1513, MATH 1613, and PHYS 1114.

PHYS 2015 Engineering Physics I

Intended for students majoring in physics, mathematics, or engineering. This course gives a more rigorous treatment of the topics of mechanics, heat, and sound than found in PHYS 1114. Lab two hours per week. Pre or corequisite: MATH 2264.

PHYS 2115 Engineering Physics II

A continuation of PHYS 2015, this course covers the topics of electricity, magnetism, and light. Lab two hours per week. Prerequisite: PHYS 2015. Pre or corequisite: MATH 2364.

PHYS 3113 Physics for Gaming

Application of the laws of physics to the creation of computer games with physics-based realism. Topics include kinematics, collisions, rotation of massive objects and explosions, and motion under the influence of various forces. Prerequisite: PHYS 1114.

Political Science**POLS 1113 American Federal Government**

A study of the principles, structures, processes, and functions of the United States federal government.

POLS 2023 Introduction to Political Theory

An introduction to the politics of relations between nations. Students will study diplomacy, peace, defense, conflict, and conflict resolution. A research paper, exams, and other writing are required. Prerequisite: POLS 1113 or instructor's permission.

POLS (LA) 2033 American Legal System

A general perspective of the legal system and judicial branch of government; introducing legal terminology, survey of practices, and ethics of legal profession.

POLS 2043 Introduction to Comparative Politics

An introduction to the methods of comparative political science examining the differences in political systems and political cultures. A research paper, exams, and other writing are required. Prerequisite: POLS 1113 American Federal Government or instructor's permission.

POLS 2153 Civil Rights and Liberties

The politics, theory, and jurisprudence of civil rights and liberties in America are examined. A research paper, exams, and other writing are required. Prerequisite: POLS 1113 American Federal Government or instructor's permission.

POLS 2253 Political Practicum

Monthly seminar structured to involve students in a supervised manner in the political process. No less than 32 additional hours spent in campaign activity verified by an approved campaign manager.

POLS 2890 Topics in Politics

A seminar in selected topics in politics. Topics vary each time course is offered. (1–3 credit hours.)

POLS 3013 State and Local Government

This course explores the types of governments within states, municipalities, and other forms of local government as well as the influence of politics and recent trends affecting state, county, and municipal governments. An examination of contemporary issues will include civil rights, education, poverty, welfare, health, corrections, finance, and taxation. Special emphasis will be given to state and local government in Oklahoma.

POLS 3023 Introduction to Public Administration

This course covers general concepts of public administration and the significance of administration in the modern state. Course content includes an analysis of administrative theory, structure, and organization; dynamics of management and decision making; and fiscal, personnel, and operational administration.

POLS 3033 Introduction to Public Policy

This course introduces the study of public policy by relating social problems to processes for conflict resolution. Topics include problem identification, policy formulation, institutional decision making, policy implementation and evaluation, and opportunities for reform and change.

POLS 3043 An Introduction to Political Ideas

This course explores the impact of political ideas and ideological systems of thought, focusing particularly on major ideologies that have emerged in nineteenth and twentieth-century political thought.

POLS 3053 International Relations

This course introduces students to the dynamics of relationships among nation-states. An important element of this course is the introduction of world views including realism, idealism, and the various behaviorist models that have emerged in the last 30 years.

POLS 3063 Constitutional Law

An exploration and analysis of the constitutional foundations of American law and government, the different methods of constitutional interpretation, and the law's function as a basic medium for resolving conflict in a federal constitutional democracy. Prerequisite: POLS 1113.

POLS (LA) 3113 American Court System

An analysis of the characteristics and functions of the American Court Systems. Prerequisite: POLS 1113.

POLS 4013 Campaigns, Elections, and Voting

This course analyzes factors influencing voting choices, campaign strategies and techniques, changes and trends in U.S. elections, and methods of predicting and interpreting election results.

POLS 4023 Democracy

This course examines the concept of democracy from its historical foundations to current issues challenging democracy in the twenty-first century.

POLS 4033 American Foreign Policy

A survey course in the evolution of American foreign policy. This course will consider the role the United States plays in world affairs, and the relationship between the United States, foreign governments, and the various non-governmental and international organizations that constitute the international community.

POLS 4043 The Media and Politics

A survey of the role the media plays in the governing process. This course will examine the mediating relationship the media plays between governmental actors and citizens: the importance of information, its impact on public opinion, and the quality of news coverage of politics.

Psychology

PSY 1113 Introduction to Psychology

A survey of basic principles underlying human behavior. Areas covered include scientific methods of inquiry, biological foundations, sensation and perception, consciousness, learning, emotion, motivation, abnormal behavior, and therapy.

PSY 2003 The Psychology of Death and Dying

An examination of the psychology of the dying person, and the measuring of death to him, his family, and associates. Attitudes toward death and the function of bereavement are explored. Implications of research of death for earlier life periods are examined. Prerequisite: PSY 1113.

PSY 2083 Current Topics in Psychology

This course will focus on current topics in psychology not covered in existing course offerings. Intended for the purpose of offering high interest course topics during the semester. It may be repeated with changes of topic. Content varies with instructor.

PSY 2413 Psychology of Adolescence

The study of normal physiological, intellectual, and emotional aspects of adolescents. Emphasis is on normal development and change as well as psychological and cultural forces affecting them. Issues such as suicide and gangs will be discussed. Prerequisite: PSY 1113.

PSY 2713 Psychology of the Older Adult

A study of the normal physiological, intellectual, and emotional aspects of the aging population. The nature and problems of the older adult in modern American society will be discussed. Prerequisite: PSY 1113.

PSY 3003 Human Sexuality

A study of human sexuality from biological, psychological, and social perspectives. An examination of contemporary psychosexual research and theory. Topics are addressed from a science-based perspective and include: history of sex research, gender roles, gender differences in sexual expression, homosexuality, pornography, prostitution, sexual coercion, sexual disorders, and sexual anatomy. Prerequisite: PSY 1113.

PSY 3013 Abnormal Psychology

The objective of this course is to provide a brief overview of the wide spectrum of mental disorders (psychopathology). Among other things, examines the definition, classification, etiology, characteristics, and different treatment modalities of several behavioral deficits. Emphasis will be on clinical aspects of each disorder and the application of diagnostic criteria from the *Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition (DSM-IV)*. Additionally, students will be introduced to empirical research by reading and answering questions from selected scientific journal articles.

PSY 3023 Social Psychology

Social Psychology is fundamental to the study of psychology and the human sciences. In this course, major theories, methods, and research findings that comprise the discipline of social psychology are examined from a critical standpoint. The primary objective of this course is to increase students' awareness of the social, historical, and political dimension to psychological understanding. The application of theoretical and empirical work to real-world social problems is emphasized.

PSY 3033 Developmental Psychology

A life span course designed to provide an understanding of human behavior and characteristics from conception to death. Information is included on physical, cognitive, and psychosocial development at each period of the life span. Emotional aspects associated with development will be discussed. Prerequisite: PSY 1113.

PSY 3043 Child Psychology

This course provides an understanding of human behavior and mental processes from conception through adolescence. Includes study for the physical, cognitive, and psychosocial development of the child. Prerequisite: PSY 1113.

PSY 3053 History and Systems of Psychology

Survey of the history of the various dogma, theories, technology, and methodological approaches to the behavioral sciences. Prerequisite: PSY 1113.

PSY 3063 Clinical Neuroscience

An exploration of the neurobiological foundations of mental health and mental illness, including the study of etiology of mental diseases, developments in genetics, and the evaluation of research findings into applied clinical approaches leading to effective therapies. Prerequisite: PSY 1113

PSY 4013 Clinical Psychology

This course is designed for undergraduate psychology majors with an interest in clinical psychology. The intent is to provide a survey of the field including the history, scope, methods, concepts, and profession of clinical psychology. We will also review the different theoretical perspectives that constitute the discipline. The objective of this course is to provide the student with a broad, solid foundation in clinical psychology in preparation for further training in a mental health profession or psychology graduate program.

PSY 4023 Physiological Psychology

An examination of the biological basis of behavior with emphasis on the structural and functional anatomy of the central nervous system. Prerequisites: PSY 1113 and junior standing.

Reading**READ 0223 Developmental Reading I**

This course is designed to train students in basic reading skills: to develop vocabulary, improve reading comprehension, and increase reading rate. Students are introduced to the materials they will encounter in college courses and become equipped with appropriate study skills for college success. This course does not apply toward total credit hours for graduation.

Social and Behavioral Sciences**SBS 3013 Research Methods I: Research Designs**

An introduction to major research methods used in the social sciences (especially history, political science, psychology, and sociology). Students will become familiar with qualitative and quantitative research methods, and explore key issues in research design.

SBS 3023 Research Methods II: Analysis and Application

Appropriate social science research methods are applied to a problem or topic of the student's choice. Students may conduct original research, formulate research proposals, or synthesize existing research for the benefit of a non-specialist audience.

SBS 3033 Perspectives on Human Behavior

A study of the differing conceptions of human behavior prevalent in the contemporary social sciences.

SBS 3043 Field Placement

Students volunteer in one or more community service agencies or charities to acquire personal knowledge of human problems and organized efforts to respond to them. Weekly meetings and journals provide for reflection on this experience.

SBS 3053 Social Systems and Problems

An inquiry into the origin and development of current social problems with specific reference to social action taken to address these problems. Students will investigate one major problem using the resources from more than one social science discipline.

SBS 3063 Social and Behavioral Statistics

An introductory course that will focus on both descriptive and inferential statistics. Topics include measures of central tendency and variability, sampling distributions, the normal distribution, z-scores, correlation, regression, hypotheses testing, t-tests, ANOVA, and chi-square tests. SPSS will be utilized for all statistical analyses. Prerequisite: Math 1503 or Math 1513.

SBS 4033 Internship I

Students work under the dual supervision of a faculty member and a site supervisor in a government office, museum or historical society, mental health or human welfare agency, law enforcement or judicial organization, or a charitable agency. (CA 2253 satisfies requirement for this course.)

SBS 4043 Internship II

Students work under the supervision of a faculty member and a site supervisor in a government office, museum or historical society, mental health or human welfare agency, law enforcement or judicial organization, or a charitable agency.

SBS 4513 Senior Seminar: Capstone Experience

All graduating seniors are required to take a semester-long, three-credit seminar in which they conduct research on some issue of social consequence from several different and sometimes conflicting perspectives. This experience is designed to help them learn how to investigate, analyze, and synthesize information about practical, behavioral, and societal issues using skills developed through their program. Developing written and oral presentations about their research enhances students' ability to communicate and enter into dialogue with others about such issues.

Sociology**SOC 1113 Introduction to Sociology**

Foundations of social interaction including patterns of social structure, culture, socialization, family, education, religion, economic and political structures, primary relationships, social differentiation, organization, deviance, collective behavior, and social change. Scientific methods and sociological theorists will be discussed.

SOC 1201 Career/Life Planning

An elective course designed to help the student develop a greater understanding of himself/herself and the meaningful world of work. Emphasizes career-planning steps.

SOC 2083 Current Topics in Sociology

This course will focus on current topics in sociology not covered in existing course offerings. Intended for the purpose of offering high interest course topics during the semester. It may be repeated with changes of topic. Content varies with instructor.

SOC 2123 Social Problems

A sociological approach to major social problems in contemporary American society. Emphasizes concepts of aging, health care, minorities, poverty, technology, work, and youth. A critical consideration of causes of social maladjustment and consideration for solving societal issues.

SOC 2133 Drug Abuse

A social scientific approach to the nature, role, and effects of chemical and psychological addiction in society. Explores a variety of addiction issues as they relate to the social institutions of family, education, politics, and medicine.

SOC 2353 General Anthropology

Introduction to the field of anthropology, emphasizing human evolution, human genetics, Old World archaeology, and the distribution of various breeding populations around the world. Prerequisite: SOC 1113 or permission of instructor.

SOC 2813 Introduction to Latin America

An overview of the geography, history, cultural traditions, and political systems of Latin America.

SOC 3023 Juvenile Delinquency

The focus of this course is to examine the juvenile delinquency phenomenon through the historical context of delinquency and the changing legal environment (includes major court decisions that have transformed the juvenile system). Students will explore the theories of the causes of juvenile delinquency and discuss juvenile delinquency prevention and control programs.

SOC 3033 Marriage and the Family

A survey of changes in family systems over the years. Area of study includes courtship, love, mate selection, parenthood, and family problems. The course also examines cross-cultural comparisons and considers alternatives to traditional family forms. Emphasis is placed on the use of empirical evidence to evaluate popular beliefs.

SOC 3043 Social Ethics

Introduction to social ethics. This course focuses on ethical and religious values of societies as they serve as a basis for social, legal, and political decisions.

SOC 3053 Cultural Ecology

An examination of how humans have used the various aspects of the social structure to adapt to the physical environment. Current ecological theories will be utilized to examine social evolution from hunting and gathering to industrial societies. Prerequisite: Nine hours of social science credit.

SOC 3073 Criminology

Critical analysis of criminological theories. The examination of major types of crimes, victims, and criminal behavior. Other topics include definitions, incidents, and trends in criminal behavior and the response of law enforcement, judicial, and correctional systems.

SOC 3213 Minority Groups

The sociological study of race and ethnicity, including cultural characteristics, social structures, changes, and associated problems. This course will analyze the status of racial, ethnic and other minority groups within their economic, legal, and social systems.

SOC 3223 Social Deviance

The structure, dynamics, and etiology of those behavior systems that are integrated around systemic violations of cultural norms. This course will study the perspectives on non-normative behavior, including the study of mental illness, abuse such as alcohol, drug, physical, and sexual, and alternative sexual lifestyles. Presents and evaluates competing theories of deviance and the social processes by which behaviors are defined as deviant and how those definitions affect the individual.

SOC 4013 Sociological Theory

A study of the great classical tradition in sociological theory and the expression of this tradition in contemporary theory. The course will include (but not be limited to) Weber, Marx, Durkheim, and Spencer. Prerequisites: Twelve hours of social science credit.

SOC 4023 Medical Sociology

The sociological study of class, race, ethnicity, and gender and their relationship to health, illness, and morbidity. The analysis of organization, value systems, and practice of medicine and the provisions of health care in the United States, including the study of etiology of disease, the social meaning and implication of health and illness in everyday life, role of the physician, patients, and the social processes of medical services and professionals.

Spanish

SPAN 1113 Beginning Spanish I

A beginning course in understanding, speaking, reading, and writing Spanish. Some exploration of the Hispanic culture.

SPAN 1223 Beginning Spanish II

Continued instruction in understanding, speaking, reading, and writing Spanish with expanded vocabulary and more complex sentence structures. Continued exploration of the Hispanic culture. Prerequisite: SPAN 1113 or equivalent.

SPAN 2113 Intermediate Spanish I

Consolidation and expansion of basic skills with the introduction of more advanced vocabulary and grammar. Prerequisite: SPAN 1223 or equivalent.

SPAN 2223 Intermediate Spanish II

Expansion and refinement of basic skills with added emphasis on self-expression and Hispanic culture. Prerequisite: SPAN 2113 or equivalent.

Special Programs**SP 2900 Directed Study**

Directed readings or laboratory exercises in approved area. Prerequisite: Permission of instructor. (1-2 credit hours.)

SP 2950 Special Topics

Seminar in approved area of study. Content will be determined by the specific course offered. Prerequisite: Permission of instructor. (3-4 credit hours.)

SP 3800 Internship

The structured experience will lead to an internship for one semester in a government, nonprofit, or public/private facility. The experience must be approved by the faculty supervisor. Permission of instructor will be required to enroll. Repeatable up to 12 hours of credit. (3-12 credit hours.)

SP 3900 Independent Study

Research of current topics or problems involving library, laboratory, or field studies. Content will be determined by the needs and interests of the participants. Prerequisite: Permission of instructor. (1-2 credit hours.)

SP 3950 Advanced Topics

Current topic in approved area of study. Content will be determined by the specific course offered. Prerequisite: Permission of instructor. (3-4 credit hours.)

Speech**SPCH 1113 Speech Communication**

Introduction to basic communication theory and practice with emphasis on effective listening, organizational skills, basic logic, and techniques of speech delivery in various situations.

Sport Management**SPMT 1003 Foundation of Sport Management**

An introductory course exploring the history, development, and governance as well as current issues and trends in sport management. Emphasis will be placed on the regulations and impact of Title IX.

SPMT 2023 Sport Delivery Systems and Communication

Examination of the fundamental theories, practices, and communication necessary to deliver sport products and services to consumers. Prerequisite: SPMT 1003.

SPMT 3013 Marketing Sports

A survey of marketing strategies and promotional activities related to the sports industry including media relationships. Prerequisites: SPMT 1003 and SPMT 2023.

SPMT 3213 Legal and Ethical Aspects of Sport Management

An examination of legal and ethical principles, liability, dilemmas, and court cases relating to sport-specific issues within the context of managing sport services. Prerequisites: SPMT 3013 and PHIL 1313.

SPMT 3233 Organization and Management of Athletic Programs

A study of principles, issues, and trends within the organization and management of athletic programs. Prerequisite: MGMT 3013.

SPMT 4113 Sport Economics and Financing

A study of the economics and financing of the sports industry. Prerequisite: SPMT 3233.

SPMT 4116 Sporting Event Management

A study of sport venue, events, and event management. Field experience is included. Prerequisites: SPMT 3213, SPMT 3233, permission, and Senior standing.

SPMT 4313 Leadership in Sport Organizations

Application of contemporary management and leadership concepts, principles, and issues related to the operation of sport organizations. Includes theories of organization and leadership. Prerequisites: Permission and Senior standing.

SPMT 4323 Seminar in Sport Management

Capstone course addressing the professional governance, standards, behaviors, and expectations of the sport manager. Students will investigate, analyze, and synthesize information using undergraduate skills developed through their educational process. Prerequisites: Permission and Senior standing.

SPMT 4426 Sport Management Internship

Capstone supervised field experience in a sports agency designed to apply professional standards, behaviors, and expectations of the profession and meet the student's professional entry-level goals. Prerequisites: Permission and senior Standing.

Technology**TECH 1002 Introduction to Applied Technology**

An orientation course designed to provide an industry overview as well as generalized skills. This course may be taken in any industrial specialty in which the student wishes to get basic skills in a wide range of areas. This course relates to any technical/industrial program.

TECH 1012 Safety

An orientation to the safety associated with the industry. Focuses on business/industry safety in the work place.

TECH 1022 Equipment/Tool Operation & Management

An orientation to the specialized equipment/tools within the class and industry. Focuses on the proper use of equipment/tools.

TECH 1030 Beginning Applications

Skills development in an applied setting. Beginning-level techniques are developed through design and completion of projects. (3-5 credit hours.)

TECH 1050 Intermediate Applications

Skills development in an applied setting. Intermediate-level techniques are developed through design and completion of projects. (3-5 credit hours.)

TECH 2020 Advanced Applications

Skills development in an applied setting. Advanced-level techniques are developed through design and completion of projects. (3-5 credit hours.)

TECH 2040 Special Topics

Topics that deal with important issues within the Industry. Includes problem-solving techniques, troubleshooting, etc. (3-5 credit hours.)

TECH 2060 Special Projects

Advanced skills used in the work place on special projects related to a student's career goals. (3-5 credit hours.)

TECH 2083 Job Readiness

Development of skills in job seeking and keeping. The course prepares the student with successful techniques for finding gainful employment and in progressing once on the job.

TECH 2090 Field Internship

A capstone course designed to integrate academic and technical lectures and labs with business and industry work experience. (3-6 credit hours.)

TECH 3013 Leadership and Decision-Making Skills for Managers and Professionals

A study of specific leadership and decision-making skills and their application to a business organization. Among the topics to be covered are characteristics of leaders, techniques of decision making, interpersonal skills, and other related topics.

TECH 3023 Emerging Technologies

A study of technology as it affects the lives of people in an industrial society. The course will also study the impact of technology on the work place.

TECH 3203 Introduction to Risk Management

Risk and safety hazards and techniques for identifying, analyzing, eliminating, or transferring the perils of risk. Includes current laws regarding risk and safety, workers' compensation insurance, employer-employee relations, and employee mistreatment in the workplace.

TECH 4003 Introduction to Computer and Telecommunications Tools for Managers and Professionals

A survey of computer and telecommunication tools available to managers and professionals.

TECH 4013 Computer and Telecommunications Applications for Managers and Professionals

A course designed to introduce managers and professionals to specific applications of computer and telecommunications tools in business. Various hardware and software perspectives will be introduced to acquaint students with "real world" application of the concepts in business and industrial settings. Prerequisite: TECH 4003.

TECH 4113 Government Regulation of Business

An overview of the impact of governmental regulation on business and industry. Among the topics to be studied will be environmental, health, occupational, and safety regulations at both the state and federal levels.

TECH 4504 Practicum and Capstone Experience

Small group project that integrates the materials in required courses. Includes discussions about professional and ethical issues. Prerequisite: Completion of 90 percent of Tech program.