

CORE CLASSES:

- **NLS 290 – Community Engagement and the Nonprofit Sector (3)** - Introduces students to the broad roles of nonprofit and recreation organizations in society. Includes an emphasis on the values embodied in philanthropy and the nonprofit sector, such as service, volunteering, human and cultural diversity, trust, stewardship, and social justice. Requires service in a community organization as part of the Service Learning Scholars Program.
- **COM 131 – Introduction to Interpersonal Communication (3)** - Communication in an interpersonal environment. Topics studied include interpersonal perception, verbal and nonverbal communication, conflict reduction, and language and its use. Will not satisfy requirements for organizational communication major or minor.
- **PCH 191 – Personal Health (3)** - This course is designed to educate students about wellness through the acquisition of knowledge, attitudes and behaviors. The major health-related problems in society are addressed, as well as an understanding of individual developmental patterns and health needs. Personal fitness is assessed and activities that promote lifelong fitness are practiced. A broad range of factors affecting wellness, including identification of risk and health promotion behaviors, are covered. Topics include, but are not limited to, substance use and abuse, nutrition, sexually transmitted diseases, health risk factors, mental and emotional health, exercise.
- **MUS/ART/THD (3)**

AREA ELECTIVES:

A Courses

ACC100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic success; and extracurricular opportunities. Only one transition course will count toward graduation. Graded pass/fail.

AGR100 - Animal Science (3)

This is a basic course in animal science including the importance and place of livestock in agriculture; types, market classes and grades of beef, sheep, poultry and swine; origin and characteristics of breeds; and the judging of beef, sheep and swine.

AGR100T - Transitions (1)

Required of all entering freshmen. Only one freshman orientation course will count toward graduation. Graded pass/fail. (Fall)

AGR101 - Basic Stock Seat Horsemanship (3)

Designed for students with previous experience in the handling and riding of horses. Includes instruction in grooming, saddling, bridling and mounting, and the development of basic riding skills at the walk, trot and canter.

AGR105 - Introduction to Rodeo (2)

An introduction to rodeo designed to develop a better understanding of the events and rules of the sport through lectures, demonstrations, rodeo films, and hands-on practice. The course will include instructions in equipment care and preparation and mental and physical training using weights, calisthenics, etc. May be repeated once for additional credit.

AGR109 -Beginning Horsemanship Experience (3)

Designed for students with no previous riding or horse-handling experience. Prepares student for recreational horsemanship activities and for potential enrollment in Basic Horsemanship. Includes instruction in catching, haltering, grooming, saddling, and riding at the walk and trot.

AGR111 - Basic Forward Seat Equitation (3)

Designed for students with previous experience in the handling and riding of horses. Includes catching, grooming saddling, bridling, and mounting; and the development of basic riding skills at the walk, trot and canter. Student must be comfortable riding at the walk and trot, and have some experience riding at the canter.

Prerequisites: Permission of instructor

AGR120 - An Overview of the Agricultural Hemp Industry (3)

This course is a survey of the hemp industry in the United States. Topics covered include an introduction to the history of hemp, understanding production practices and extraction methods, comparing the potential uses of hemp to other agricultural products, and recognizing the economic challenges within the industry.

AGR140 - Plant Science (3)

A study of general plant science principles including basic plant anatomy, physiology and interactions with the surrounding environment.

AGR160 - Horticultural Science (3)

A study of the practical principles and practices used in horticulture.

AGR170 - Introduction to Agricultural Systems Technology (3)

An introduction to agricultural systems including: power and machinery, electricity, precision agriculture, soil and water engineering, metallurgy and fabrication, and safety. Emphasis is placed on understanding the technology involved in operating, maintaining, and managing these systems.

AGR180 - Skill Development in Horticulture (3)

Course will document that students can demonstrate the competencies and skill necessary for occupations in the landscaping industry, turf and lawn management, nursery management, and/or vegetable and flower production areas. Credit will be by challenge exam only according to university policy and will be granted upon successful completion of the state horticulture skills standards test and completion of a career major in horticulture at the secondary school level.

AGR181 - Skill Development in Agriculture Production and Agribusiness (3)

Course will document that students can demonstrate the competencies and skill necessary for occupations in production agriculture and agribusiness. Emphasis will be placed on the development of scientific knowledge and skills pertaining to management of agribusinesses, farms, and cooperatives, and/or of the land and its effect on food and fiber production. Credit will be by challenge examination only according to university policy and will be granted upon successful completion of the State Agriculture Production Skills standards test and completion of a career major in horticulture, and/or successful completion of the State Agriculture Production Skills standards test and completion of a Career Pathway in that area at the secondary school level. May be repeated for a maximum of six credit hours.

AGR182 - Introduction to Veterinary Science (3)

Course examines basic principles of veterinary science, including breeds, biology, veterinary tools parasitology, office management, animal control, and basic clinical exam techniques for large and small animals. The purpose of this course is to provide agricultural education students-with an introduction to the basic principles of veterinary science. This requires students to understand the biology of both large and small breeds of animals, as well as specifics related to the area of veterinary medicine.

AGR185 - Agricultural Leadership and Life Knowledge (3)

Course developed for students who are interested in pursuing a career in the agricultural industry that elaborates on the roles, responsibilities and challenges in the field of agricultural leadership.

AGR199 - Contemporary Consumer Issues in Food, Fiber and Natural Resources (3)

A course designed to provide a breadth of knowledge to increase the understanding, awareness, and critical analysis of contemporary consumer issues and their effect upon the social, political, economic and cultural aspects of society. Topics will include issues related to product consumption and production regarding environmental issues, biotechnology, animals, crops, career, economy and trade, policy, food quality, safety, and international issues.

AGR200 - Cultural and International Agricultural Perspectives: Food, Fiber and Animal Resources (3)

A course designed to enhance students' understanding of international agriculture and how it relates to the overall impact on world food processing and production through travel/study abroad. An emphasis is placed on experiences which have the potential to impact and add value to American/Kentucky agriculture, as well as those which hold key relationships to US based agricultural trade and food development.

AGR201 - Intermediate Horsemanship (3)

Designed for students with previous experience in the handling and riding of horses. Builds on basic riding skills, focusing on both hunt seat and stock seat, with some exposure to developing lunging and bareback equitation skills.

AGR223 - Introduction to Artificial Insemination for Cattle (3)

The primary objective of this course is to instruct students in artificial insemination in cattle. Topics will include reproductive system, herd health and nutrition, semen handling, and estrus detection and synchronization.

AGR240 - Crop Science (3)

A study of the fundamental principles underlying the production of agricultural crops. Lecture, two hours; laboratory, two hours per week.

AGR247 - Tobacco Production (3)

An agriculture course designed for students who desire to expand their knowledge of tobacco production. Students will be introduced to the practical aspects of tobacco production in the Kentucky tobacco types.

AGR261 - General Pomology (3)

General principles and practices involved in handling home and commercial planting of the major fruit crops. (Spring, even years)

AGR262 - Specialty Crop Production (3)

A study of the fundamental principles underlying commercial and home garden production of produce.

AGR263 - Woody Plant Materials I (2)

The identification and use of woody deciduous plant materials in the landscape.

AGR269 - Introduction to Forestry (3)

A general introduction to the many aspects of forestry including dendrology, silvics, silviculture, and wood utilization. Some emphasis will be placed on the management of forest lands for recreation and wildlife purposes. (Fall, odd years)

AGR300 - Principles of Animal Nutrition (3)

This course is a study of digestion, absorption and utilization of nutrients, characteristics of feedstuffs, nutritional disorders and nutrient requirements of animals.

Prerequisites AGR 100

AGR302 - Horse Science (3)

An overview of the horse designed to enable students to fulfill a higher degree of managerial responsibility by understanding the history and use of horses in society, equine identification and evaluation, and basic health care management. This course is a prerequisite for many higher-level equine science courses.

AGR305 - Meat and Poultry Product Evaluation (3)

Training in identifying, grading, and judging carcasses and cuts of meat and poultry and in the evaluation of specification cuts. Students will learn skeletal and musculature anatomy to evaluate carcasses and wholesale cuts of beef, lamb, pork, and poultry. They will learn about quality and yield grade of carcasses of various species, and evaluative terminology of carcasses and cuts. In addition, students will be trained in the identification of retail cuts and the use of meat product specifications.

Prerequisites AGR 100

AGR310 - Applications in Animal Technology (3)

The study of animal technology involving management, nutrition and health of small and large animal species. Lecture, two hours; laboratory, two hours. (Fall)

Prerequisites AGR 100

AGR311 - Beef Science (3)

A study of the history and importance of the beef cattle industry, including information on the phases of beef production, selection, breeding, feeding, and management of beef cattle.

AGR312 - Dairy Science (3)

A study of dairy breeds, calf raising, herd replacements, milk production, nutrition and management of dairy herds. (Spring)

Prerequisites AGR 100 and 300

AGR313 - Livestock Production Management Systems (3)

This course is a study of production management, nutrition, and breeding of farm animals. Field trips may be required.

Prerequisites AGR 100

AGR314 - Small Ruminant Science(3)

A study of the history and importance of the goat and sheep industries, with emphasis on meat goat production; phases of production, selection, breeding, feeding, and management of goats and sheep will be covered

Prerequisites AGR 100

AGR316 - Dairy Cattle Selection and Evaluation (3)

Origin, characteristics and developments of major breeds of dairy cattle. Improvement programs. Apply the principles involved in herd improvement to the selection of breeding animals for dairy herds. Fundamental aspects of evaluation of dairy cattle. Comparative terminology, decision-making and presentation of oral reasons. Lecture, two hours; laboratory, two hours. (Fall)

Prerequisites AGR 100

AGR318 - Equine Forage Management (3)

A study of forage systems designed specifically for equine.

AGR320 - Livestock Behavioral Analysis (3)

A study of species specific to livestock handling techniques based upon proven techniques, methods and livestock behavioral patterns. This class will include on the farm training with livestock.

Prerequisites AGR 100

AGR321 - Poultry Science(3)

An introductory study of the various phases of poultry production, diagnosis and treatment of diseases, nutrition, processing and management practices for commercial poultry operations. (Spring)

Prerequisites AGR 100

AGR322 - Introductory Veterinary Laboratory I (4)

An introductory course to the veterinary laboratory for the veterinary technologist. This course is designed to introduce the veterinary technology student to basic concepts, theories, and techniques of veterinary clinical pathology laboratory. Laboratory safety, microscopy, specimen collection, diagnostic analysis, laboratory instrumentation and techniques are taught for development of proficient laboratory skills. Three one-hour lectures; one two-hour laboratory.

Prerequisites AGR 310 with a minimum grade of C

AGR326 - Swine Science (3)

Basic principles and their application in pork production ' breeding, selection, nutrition, housing, equipment and economic management. Lecture, two hours; laboratory, two hours. (Fall)

Prerequisites AGR 100

AGR327 - Meat Science(3)

This class will give students a basic understanding of meat science: meat production, meat structure and composition, meat quality and hygiene, animal welfare, and animal handling and slaughter.

Prerequisites AGR 100

AGR338 - Rural Economic Development(3)

An examination of the basic principles underlying the economic development of rural areas. The impact and role of agricultural and community organizations and their influence on the rural economy will be studied. Each student will make a special socioeconomic study of his/her community including a resource inventory and plan for economic development. (Summer, with sufficient demand)

AGR339 - Computer Applications for Agriculture(3)

A course designed to develop an understanding and practical knowledge of the use of computers with respect to their application to problem-solving within agriculture. Students will receive hands-on experience in applying a variety of agriculture specific software to problems in agriculture and agricultural business management.

AGR341 - Seed Production and Technology(3)

Special emphasis is given to the production and processing of seed, evaluation and testing for quality, and the study of viability during storage. (Spring)

AGR343 - Forage Management and Utilization(3)

The study of the role of economically important crop species in the soil-plant-animal complex. Physiology, utilization, and management of forage species will be emphasized as well as applications for integrative cropping systems. This course will utilize laboratory and fieldwork exercises to allow an immersive experience for students.

AGR359 - Introduction to Beekeeping(3)

A course focused on beekeeping practices, including basic bee biology, maintaining a hive, and honey harvesting.

Prerequisites Permission of Instructor

AGR362 - Floral Design(3)

Operation and management of a retail florist establishment with emphasis on floral design. (Fall, even years)

AGR363 - Landscape Plant Materials(3)

This course introduces the identification, classification, and use of landscape plants. Students will learn to recognize a variety of trees, shrubs, and herbaceous plants commonly used in landscape design. The course will emphasize plant morphology, growth habits, seasonal characteristics, and their role in creating functional and aesthetically pleasing landscapes.

AGR365 - Herbaceous Plant Materials (2)

A study of characteristics, requirements, and potential uses of herbaceous ornamental plants in the landscape.

AGR367 - Residential Landscape Design(3)

The utilization of design principles to beautify residential and commercial properties. The identification, use and maintenance of ornamental plants and lawn grasses. Special attention will be given to the use of native plants for home beautification. Lecture, two hours; laboratory, two hours; field trips. (Spring)

AGR368 - Landscape Construction(3)

Understanding the process of landscape construction from initial planning stages to the actual installation of structures utilized within a landscape design.

Prerequisites AGR 160

AGR373 - Animals in Disaster(3)

This course is two fold. Module A is intended to increase awareness and preparedness among animal owners and care providers. Module B is intended to guide emergency management officials and animal owners, care providers, and industries in preparing community disaster plans. (Fall and Spring)

AGR374 - Livestock in Disaster (2)

Course is designed to increase your awareness of what livestock producers, emergency managers, veterinarians, extension agents, and others can do to prevent and reduce the consequences of disasters. (Fall and Spring)

AGR375 - Animal Emergency Preparedness(3)

Course focuses on educating animal owners, care providers, and participants in the companion and large animal industry on emergency and disaster planning, the incident management system utilized during emergency situations, and to assist those same groups in working with emergency management officials to develop community disaster plans.

ART100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area of major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introductory seminar for all first-semester art majors, including transfer students. Graded pass/fail.

ART101 - Drawing I: Introduction to Drawing(3)

The course provides an introduction to drawing from observation. Beginning with a groundwork in visual measuring techniques and the elements and principles of design, students will explore various drawing media to create drawings that achieve a sense of volume, space, and light. Students will study both the cultural contexts and range of forms present in relevant historical and contemporary drawings in order to support their growth in the drawing process.

ART105 - Studio Art For Non-Majors(3)

Course is designed to introduce students to a variety of studio practices. Students will learn artistic techniques as well as visual literacy. The specifics of techniques and themes taught each semester varies based on the instructor, each of whom has an expertise in one of our studio areas: woodworking, painting, sculpture, ceramics, metalsmithing, printmaking, graphic design, photography, and drawing.

ART111 - Studio Practice(3)

Studio Practice introduces students to a broad variety of basic materials, methods and concepts used in contemporary art practice, including modes of working which focus on surface (two-dimensional), space (three-dimensional) and time (four-dimensional). Ideation, design and critique are emphasized, along with the development of basic skill with hand and digital tools, and the development of an interdisciplinary workflow. Six hours per week.

ART113 - Digital Foundations in Art(3)

An introduction to the use of digital software and technology as a creative tool in contemporary artmaking. Students will learn the basics of digital collage, digital drawing, video editing, and sound design. A strong emphasis will be placed on mastering the elements and principles of design through the use of design theory and relevant historical and contemporary works of art.

ART121 - Art and Visual Culture(3)

Surveys the various aspects of the visual and functional arts and their relationship to human life and society. A variety of art forms from different cultures and historical periods will be studied. Does not count toward art history minor. A student cannot have credit for both ART 121 and HON 161.

ART123 - A Survey of Visual Culture and Sciences(3)

A survey of intersectional connections between visual culture and sciences. Special attention will be given to the integration of different aspects of visual cultures and various scientific fields.

ART201 - Drawing II: Life Drawing(3)

Figure drawing in varied media. Six hours per week.

Prerequisites ART 101

ART211 - A Survey of Art from Antiquity to the Baroque(3)

A survey of the history of art from Prehistory through the Baroque (17th century).

ART212 - A Survey of Art from the Enlightenment to the Present(3)

A survey of the history of European and Euro-American art from the Enlightenment (18th century) to the present with a global perspective.

ART213 - Art of Global Cultures(3)

A survey of the visual arts and other cultural production of the Middle East, Asia, Oceania, North and South America, and Africa, informed by religious practices, belief systems, and cultural practices of various civilization outside the European tradition (Fall).

ART300 - Drawing III(3)

A conceptual study of both figurative and abstract approaches to drawing. Six hours per week.

Prerequisites ART 101 and 201

ART303 - Drawing IV(3)

Exploration of drawing ideas with emphasis on the development of personal expression. Six hours per week.

Prerequisites ART 300

ART304 - Drawing V(3)

Continuation of ART 303. Six hours per week.

Prerequisites ART 303

ART309 - Introduction to Metalsmithing I(3)

Metals in jewelry-making, holloware, small sculpture, and object-making with an emphasis on design and craftsmanship. Six hours per week.

Prerequisites ART 101/111/112

ART310 - Introduction to Woodworking I(3)

Introduction to woodworking material, tools, and processes. Properties of wood and safe shop practices are emphasized. Six hours per week.

Prerequisites ART 112

ART311 - Metalsmithing II(3)

Introduction to several casting techniques as well as a continuation of skills learned in ART 309. Six hours per week.

Prerequisites ART 309

ART312 - Metalsmithing III(3)

Advanced problems in metal-smithing with an emphasis in ideation and conceptualization of content. Six hours per week.

Prerequisites ART 311

ART313 - Woodworking II(3)

Methods of construction and technique will be taught with an emphasis on proficiency in machine use. Six hours per week.

Prerequisites ART 310

ART314 - Woodworking III(3)

Advanced problems in woodworking. Introduction to increasingly complex joinery methods with an emphasis on development of personal voice. Six hours per week.

Prerequisites ART 113

ART315 - Greek and Roman Art(3)

Topics in the history of the art and architecture of ancient Greece and Rome through the late Antique.

ART316 - Medieval Art(3)

Topics in the history of art from the Early Christian through the Gothic period.

ART318 - Renaissance Art(3)

Topics in the history of the Renaissance.

ART319 - Baroque Art(3)

Topics in the history of the art of the Baroque period, mainly in Europe.

ART328 - Nineteenth-Century Art(3)

History of art of the long nineteenth century that focuses on European and Euro-American art with a global perspective.

ART329 - Art from 1900 to 1960(3)

History of Western art from 1900 to 1960 that focuses on European and Euro-American art with a global perspective. This class will consider the beginnings of modernism and the avant-gardes alongside larger developments of modernity.

ART330 - Introduction to Painting I(3)

Students discover the properties and possibilities of color using oil-based paints and mediums in this course. The course introduces essential materials and methods of oil painting, emphasizing proficiency in both color theory and in painting from observation in order to achieve a believable sense of light and space using both direct and indirect painting techniques. Six hours per week. Required course for teacher certification.

Prerequisites ART 101

ART333 - Painting II(3)

Building on Skills learned in ART 330, students in this course expand their thinking about painted language. Assignments broaden each student's mark-making capacity and promote critical thinking about the composition, scale, material, and format of paintings. Students gain increased knowledge about various techniques, processes, and practices used by contemporary painters as they experiment with a range of treatments of pictorial space. Six hours per week

Prerequisites ART 330

ART334 - Painting III(3)

Proficiency and effectiveness of formal decision-making about composition, mark-making, and color is refined and used to introduce content through painting. Surveys narrative, expressive, and conceptual approaches in contemporary painting. Emphasis on successful communication of ideas through developing a sophisticated relationship between form and context. Six hours per week

Prerequisites ART 333

ART350 - Introduction to Graphic Design I: Digital Art(3)

Introduction to the computer as a tool for fine art and illustration. Students are taught computer techniques and approaches to creating art. Six hours per week.

Prerequisites ART 101/111/112/113/sophomore standing

ART351 - Graph Design II: Type And Image(3)

Introduction to type and image production for graphic design. Students learn traditional and computer based problem-solving techniques. Six hours per week.

Prerequisites ART 350

ART352 - Graph Design III:Layout and Introduction to Design Systems(3)

Intermediate level study in graphic design focusing on layout for publication. Six hours per week.

Prerequisites ART 350

ART353 - Web Design(3)

This course is intended to continue and emphasize the concepts and skills of graphic communication. Emphasis will be placed on learning professional design methods and applying them to designs for the web. Projects will stress considerations in design theory and the principles of typography, particularly as they apply to user interface design, site design, and navigation. Students will work in both an individual and a collaborative manner involving writing, electronic design, advertising, and photography.

Prerequisites ART 350

ART354 - Illustration(3)

An examination of the combination of both digital and conventional skills in illustration. Instruction in the media, concepts, and contemporary context of illustration. Six hours per week.

ART355 - User Interface Design(3)

Students will gain an understanding of the importance of user interface (UI) and user experience (UX) design and its processes. Through industry-standard methods and software, students will design user interfaces applying key theories and frameworks that underlie the design of current mobile interfaces. Six hours per week.

Prerequisites ART 350

ART357 - Motion Graphics(3)

Course introduces students to the principles and elements of motion design through studio practices at beginning levels. This course is intended to continue skills acquired in ART 350 and will emphasize the concepts and skills of graphic communication through motion. Emphasis will be placed on learning professional design methods and applying them to animation and moving graphics.

Prerequisites ART 350

ART358 - History of Modern Design(3)

Survey of the history of modern design from the mid-nineteenth century to the present. This course will introduce students to the development of the various fields that make up modern "design", including designed objects, industrial design, and graphic design, with a focus on Europe and the United States from a global perspective.

ART360 - Introduction to Sculpture(3)

This course introduces basic working methods with metal, wood, mold making, casting, and found objects. Traditional and non-traditional fabrication methods are explored with consideration to materials and techniques that inform making sculptural concepts into tangible artworks. Six hours per week.

ART361 - Sound Art(3)

Course investigates the practice and creation of sound art, while surveying the use of sound, voice, noise, silence and modes of listening in the modernist, avant-garde and contemporary visual arts, from the late-19th Century to the present. The varied and rich history, theory and practice of sound art, and its relationship to aural culture, will be explored through contemporary art, music, and philosophy. Students will learn history and theory, while making their own sculptural and installation-based sound works through methods of recording, broadcasting, podcasting, performance, composition, soldering, and wiring audio systems and speakers. May be repeated one time for credit, up to six (6) credits.

ART362 - Digital Sculpture: 3D Modeling and Printing(3)

This course is an introduction to the study of concepts and aesthetics that expand on the practice of sculpture as it relates to digital 3D modelling and printing. Sculptural works will be produced through learning the basics of 3D modeling using various CAD and graphics software to design objects that will be outputted using rapid prototyping methods including: 3D printing, CNC, and laser cutting. Six hours per week. May be repeated one time for credit, up to six (6) credits.

ART370 - Introduction to Ceramics(3)

Beginning ceramics introduces students to a broad spectrum of clay working including the making of functional pottery, the vessel as metaphor, and clay as a medium for

sculpture. Students learn hand building, wheel throwing, and glazing among other basic ceramic techniques. Design, craftsmanship, and critical thinking are emphasized. Six hour per week.

Prerequisites ART 101 or 111 or 112

ART371 - Ceramics II(3)

Continued development of skills and concepts learned in ART 370 along with the introduction of advanced techniques including casting and kiln firing. Ideation, criticism and discussion are emphasized. Six hours per week

Prerequisites ART 370

ART372 - Ceramics III(3)

Continued development of skills and concepts learned in ART 371 with an emphasis on individual investigation, technical finesse, concept, content, criticism and discussion. Six hours per week.

Prerequisites ART 371

ART379 - Introduction to Printmaking I(3)

Introduction to the techniques and materials of intaglio and relief printing, including collograph, drypoint, etching and linoleum cuts. Composition, craftsmanship, and technique are emphasized. Six hours per week.

Prerequisites ART 101 and 111

ART380 - Printmaking II(3)

Introduction to the techniques and materials of lithography including stone, plate and photo lithography. Composition, craftsmanship, technique and individual investigation are emphasized. Criticism and discussion. Six hours per week.

Prerequisites ART 379

ART381 - Printmaking III(3)

Introduction to the techniques and material of silkscreen, including photo silkscreen. Composition, craftsmanship, technique and individual investigation are emphasized. Criticism and discussion. Six hours per week.

Prerequisites ART 380

ART382 - Introduction to Photography(3)

Students will be introduced to the fundamentals of fine art photography through the use of the DSLR camera while exploring creative image making as a means of personal expression with emphasis on digital process. Students will be introduced to darkroom black and white photography. Through examining the basic formal/concepts foundation of photography through readings and lab based projects, as well as participating in discussion and critiques, students will build a visual literacy for application in daily life, developing a deeper understanding of the medium and its history. Six hours per week.

ART383 - Photography II(3)

Continues the development of technical and conceptual skills in photography. Encourages personal expression through the development of series and bodies of work. Critical issues and historical precedents are analyzed. Includes such topics as exposure, natural and artificial lighting, editing, advanced digital printing, scanning negatives. Continuation of black and white darkroom photography and camera work in SLR and medium format cameras. Six hours per week. May be repeated one time for credit, up to six (6) credits.

Prerequisites ART 382

ART384 - Photography III(3)

This course emphasizes technical and aesthetic refinement in black and white and/or color photography. Students investigate various advanced photographic techniques and will develop print and web based portfolios. It continues the conceptualization of contemporary approaches to photography and enhances the understanding of history, theory, and practice of the medium. The artist undertakes major creative projects and refines the artist statement. Six hours per week. May be repeated one time for credit, up to six (6) credits.

Prerequisites ART 383

ART385 - Video I(3)

An introduction to digital video production, editing, and the fundamentals of audio. This video course emphasizes the medium as an artistic expression and communication where students will develop skills through storytelling, composition, lighting, storyboarding, and sequencing within the framework of conceptual art. History of video art and new media will be presented through readings, videos and in class discussions. Six hours per week. May be repeated one time for credit, up to six (6) credits.

Prerequisites ART 111/112/113/ sophomore standing

ANT140 - Exploring World Cultures(3)

A survey of the diverse ways human societies are organized with an analysis of how their cultures meet the common and distinctive needs of these societies, with emphasis placed upon non-literate peoples.

ANT145 - Introduction To Museum Work(3)

Course designed to be an introduction to various facets of museum work, including museum administration, public relations work, fund raising, collection registration, exhibit production, deed of gifts, security, curation, and cataloguing and accessioning systems.

ANT311 - Anthropology of Complex Societies(3)

An analysis of a range of societal types from sedentary tribes to chiefdoms to states. Primary emphasis will be placed on the processes that lead to the emergence of complex societies, the development of urbanism, and the comparative and cross-cultural perspective.

Prerequisites ANT 140

ANT320 - Human Ecology(3)

A cross-cultural examination of the influences that different environments have on biological and cultural adaptation. Focus will be given to environmental reconstruction, settlement patterns, land use, and the effects of migration and mobility on ancient and modern human populations. Current ecological and anthropological theories will be utilized to examine social evolution from hunting/gathering, pastoral, horticultural, agricultural, and industrial societies throughout human history.

Prerequisites ANT 140/ARC 150/ EES 110

ANT325 - Biological Anthropology(3)

The biological nature of man. A survey of man's physical origin, his primate background, and his evolution. Cultural association with fossil evidence and concepts of race.

ANT329 - North American Indians(3)

Introduction to Native American cultures north of Mexico. This course entails a survey of the cultural traditions of the indigenous populations of North America. Emphasis will be placed on traditional lifeways and the consequences of interactions between Native Americans and Euro-American populations.

ANT343 - Race and Ethnicity(3)

Identity, goals, and organization of racial and ethnic groups; dynamics of racism and ethnocentrism; and processes of communication, conflict, and accommodation.

ANT344 - The Black Experience(3)

An analysis of the African American way of life utilizing anthropological and historical approaches. Major themes in black culture will include religion, family relations and political empowerment. Biographical, autobiographical and ethnographic materials will be utilized.

ANT355 - Pottery and People(3)

Course will explore the diverse ways that people have and continue to incorporate ceramics into their daily lives. Topics that will be examined include resource acquisition strategies, craft production, distribution, and use of pottery. Examples will draw on modern ethnographic and archaeological case studies involving potters. Analysis of pottery will focus on the approaches to the classification of ceramics, inferences about their production and social contexts from archaeological specimens, ethnographic analogy, and experimental studies.

Prerequisites ARC 150

ANT356 - The Art of Non-Western Cultures(3)

Study of the arts of Asia, Oceania, Africa and the Pre-Western Americas. (Same as GDS, RGS 356.)

ARC150 - Introduction to Archaeology(3)

Survey of archaeology's contribution to humankind's knowledge of prehistoric and historic development on a worldwide basis with emphasis placed upon discoveries rather than methods of archaeology. ARC 150 will not fulfill the requirements of HON 150.

ARC300 - Archaeological Method and Theory(3)

History theory, and methods of archaeology; introduction to problems and techniques of field and laboratory research (mapping, recording, artifact classification, reporting). Lectures and laboratory sessions.

Prerequisites ARC 150

ARC306 - Landscapes of the National Parks(3)

This course explores the most distinctive and intriguing features of America's national parks. Emphasis is placed on the geology, ecology, and archaeology of each park, with emphasis placed on how each of these components influences the other in a dynamic feedback system. One Saturday field trip will be required.

Prerequisites EES 101 or 102

ARC314 - Sediments and Soils (4)

An in depth study of sediments and soils. Emphasis will be on the geologic formation, interpretation, and significance of sediments and soils in a variety of geologic, environmental, and archaeological contexts. Three hours lecture and two hours laboratory per week plus one required Saturday field trip.

Prerequisites EES 101

ARC320 - Human Ecology(3)

A cross-cultural examination of the influences that different environments have on biological and cultural adaptation. Focus will be given to environmental reconstruction, settlement patterns, land use, and the effects of migration and mobility on ancient and modern human populations. Current ecological and anthropological theories will be utilized to examine social evolution from hunting/gathering, pastoral, horticultural, agricultural, and industrial societies throughout human history.

Prerequisites ANT 140 or (ARC 150 and EES 110)

ARC321 - Ancient Civilizations(3)

An in-depth anthropological, archeological and historical examination of the origins of seven of the world's earliest civilizations (Southwest Asia, Egypt, India, China, Mesoamerica, Andean and North American).

ARC325 - Hunter-Gatherer Ethnoarchaeology(3)

Hunting and gathering constituted the way of life for all humans during the majority of human evolution. This course is an examination of variability in adaptations of modern hunter-gatherer societies on a global scale, emphasizing subsistence, mobility, and social organization. The study of modern societies serves as the basis for understanding the adaptations of prehistoric hunter-gatherers.

Prerequisites ANT 140 or ARC 150

ARC330 - North American Archaeology(3)

A survey of prehistoric North American Indian cultures from 15,000 B.C. through historic contact. Emphasis placed on archaeological cultural histories of North America.

Prerequisites ARC 150

ARC335 - Forensic Archaeology(3)

An examination of the methods used by forensic anthropologists to determine the identity, age, sex and race of an individual from skeletal remains using archaeological and anthropological field and laboratory methods.

Prerequisites ARC 150

ARC340 - Archaeology of Africa(3)

A survey of the archaeology of Africa, from human origins to the historic period. Emphasis placed on the archaeological evidence of African culture history before the advent of European colonization.

ARC345 - Archaeology and Legacy of Ancient Mesoamerica(3)

This course will introduce students to the indigenous cultures of Mesoamerica using data primarily recovered from archeological sites. The focus will be on the Prehispanic and contact-era societies of southern Mexico and northern Central America, including the Olmecs, Aztecs, and Maya. The course will examine interactions with neighboring regions, including the Caribbean and the US/Mexican Southwest. The course will consider the legacy of these rich indigenous traditions in the present as they persist and adapt at home and abroad.

ASL101 - American Sign Language I(3)

American Sign Language (ASL) Level I is designed for the student who wants to acquire ASL skills to communicate with persons who are deaf. The course will focus on basic communication functions such as introducing oneself, exchanging personal information, making requests, talking about family and occupations, giving directions, attributing qualities to others and talking about routines. The course will also introduce students to deaf culture. The course will be taught without the use of voice.

ASL102 - American Sign Language II(3)

American Sign Language (ASL) Level II is designed for the student who wants to acquire basic ASL skills to communicate with persons who are deaf. The course will build upon ASL I and focus on different types of numbering systems, cross-cultural communication, identifying and describing others, how to talk about routines, family, and occupations and how to make requests. The course will further introduce students to the Deaf culture and a brief history of Deaf America. The course will be taught without the use of voice.

Prerequisites ASL 101

ASL103 - American Sign Language III(3)

Course is designed to teach intermediate expressive and receptive ASL skills and the cultural features of the language and community. The course will focus on awareness of and respect for the Deaf Culture. The course will be taught without the use of voice.

Prerequisites ASL 102 with a C or better

ASL104 - American Sign Language IV(3)

Course is designed to further develop intermediate expressive and receptive ASL skills and cultural features of language and community. The course will focus on the understanding of signing with meaning to move students toward intermediate plus level. Students will increase their awareness of and expand their respect for the Deaf Culture. The course will be taught without the use of voice. Students will attend three Deaf events.

Prerequisites ASL 103 with a minimum grade of C

AST115 - Introductory Astronomy(3)

Descriptive examination of the objects of the solar system and the stellar universe. A brief historical presentation of the fundamental astronomical theories provides a basis for the examination. Multimedia presentations are used.

Corequisites AST 116

AST116 - Introductory Astronomy Laboratory(3)

Laboratory to accompany AST 115. Two hours laboratory per week.

Corequisites AST 115

AST220 - Astrophotography (2)

Involves technique of photographing the lunar surface, the planets, interstellar media, and constellations as well as studies of photographic materials.

B Courses

BIO100 - Introduction Biology Laboratory (1)

Laboratory work for a non-majors general biology course.

Corequisites BIO 101/115

BIO100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Required of all entering freshman. Graded pass/fail. (Fall only)

BIO101 - Biological Concepts(3)

Biological principles are examined in an active learning mode. This course relates the significance of biology to individuals and society and establishes that this body of knowledge underpins agriculture, medicine, and environmental management.

Corequisites BIO 101

BIO102 - Introductory Biology(3)

Biological principles are examined in an active learning mode. This on-line course relates the significance of biology to students and society, and establishes that this body of knowledge underpins agriculture, medicine, and environmental management. This course in combination with BIO 100, an on-campus lab, will meet the University Studies science course with lab requirement. Students may not receive credit for BIO 101 and 102.

BIO103 - Saving Planet Earth(3)

A study of the problems faced by humans on the Earth, including human population growth, over-exploitation of natural resources, climate change, habitat destruction and species extinction. The philosophical, behavioral, ethical, and scientific basis of these problems and their solutions will be discussed, with an emphasis on the global nature of the issues. The course will also explore the potential for humans to live in a sustainable fashion on the planet, and emphasize the social responsibility and civic engagement required to do so. (Same as EES 103.)

BIO109 - Biology of Cancer(3)

The exploration into the myths and facts of the biology of cancer and how various physical, genetic, environmental, and lifestyle factor influence one's chances of developing cancer. Topics will include basic cell, tumor, and human biology, the different strategies the health care system employs to detect, attack, and defeat cancer, and risk factor assessment.

BIO149 - Introduction to Wildlife and Conservation Biology (1)

An initial survey of the fields of wildlife and conservation biology including topics for various careers, introduction to professional methods, methods for learning in lab-based natural history classes, and a brief introduction to the scientific process and an understanding of the importance of rigorous science to these fields. One class per week and approximately two required Saturday field trips. (Fall)

Prerequisites Open only to students pursuing an area in wildlife and conservation biology or a major in biology

BIO154 - Dendrology(3)

Principles and art of identification of trees and shrubs in both summer and winter conditions. (Fall)

BIO160 - Plants and People(3)

This interdisciplinary course draws from the biological and social sciences to investigate plant-human interactions, from both historical and modern points of view. Topics begin with an understanding of basic plant anatomy, physiology, and reproductive strategies. Using this foundation, modern and historical uses of plants in a variety of cultures will be explored, including plants as food, in medicine, as causes (in part) of territorial disputes, and in ritual and everyday life. Other topics include plant allergies, conservation, genetically modified plants, and predicted impacts of global climate change on plants, with human implications.

BUS100T - Transitions (1)

Course is designed to assist students in their transitions to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

BUS140 - Foundations of Business(3)

An introduction to the various functions of business, such as accounting, finance, basic management, human resources management, marketing, and information technology. Course is not open to students in the Bauernfeind College of Business who hold junior or senior status.

BUS200 - Collegiate Leadership and Service (1-2)

Course introduces students to basic leadership concepts and practices in business and public affairs. Student skills in the area of leadership will be enhanced through the use of class presentations, discussion, freshman orientation responsibilities, and participation in collegiate and university activities. This course may be repeated for a total of three hours. A maximum of six hours credit may be earned or scheduled from any combination of GUI 251, 252, and 450 and BUS 200.

BUS215 - Business Communication(3)

This course is designed to acquaint the student with the principles of business communication and give him/her practice in solving business problems through the use of written communications, research and report writing, and oral communications.

Prerequisites a minimum grade of C in ENG 105, or ENG 101 and 102, or ENG 150, or the equivalent

BUS296 - Topics in International Business(3)

Course is designed to give participants exposure to cultures and business practices outside the United States. The course is offered in conjunction with a study abroad program and includes travel, study, visits to corporate and governmental offices, and experiential assignments in various countries. At the instructor's discretion, the course may focus on a specific topic or theme.

C Courses

CDI100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

CDI205 - Introduction to Communication Disorders(3)

An introduction to the areas of speech-language pathology and audiology. An integral part of the course is observation of therapy with speech, language, and hearing disorders.

CDI275 - Foundations for Communication Disorders Professionals(3)

A course focused on developing accurate clinical observation skills and professional written and oral communication suited to educational and healthcare settings. May include field experience or observations outside of class time.

Prerequisites ENG 105 with a minimum grade of B

CDI292 - Communication Disorders for Educators(3)

A study of typical speech and language development/acquisition in children. Pediatric disorders of speech and language are also introduced. The course is specifically designed for the special educator and classroom teacher and focuses on the impacts of communication disorders across educational settings as well as the roles and responsibilities of professionals within those settings.

CDI340 - Speech and Language Development(3)

This study of language development includes the components of the language system (phonology, semantics, syntax, and pragmatics), fundamental stages of development, the biological bases of language, and compares theories that attempt to account for speech and language development.

CHE100T - Transitions (1)

course assigned to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

CHE101 - Consumer Chemistry (4)

A brief course in chemistry for those who plan to take no more chemistry. Designed specifically to satisfy the University Studies physical science requirement. Explores social and cultural issues associated with science and technology to provide knowledge of resource conversion in a world dominated by an information explosion. Considers the impact of chemistry and technology on history, art, and business. Three lectures and two hours of laboratory per week. Not applicable to major or minor.

CHN105 - Introduction to Chinese Culture(3)

A survey of Chinese society. Contemporary and historical perspectives, attitudes, achievements, institutions, and lifestyles of the Chinese people are explored. Conducted in English.

CHN305 - Understanding China: Traditions and Trends(3)

A study of modern Chinese cultural trends, political situations, and social issues, as well as their roots in traditional history, philosophy, and ethics. Historical and contemporary perspectives, attitudes, achievements, and lifestyles of the Chinese people and their interaction with the rest of the world are explored. Taught in English.

Prerequisites ENG 105 or ENG 150

CHN321 - Asian Wisdom and Fantasy in Comics(3)

A study of Asian, in particular Chinese, traditional wisdom and fantasy literature through translated comic books, with an emphasis on Confucianism, Daoism, Legalism, and literature about spirits and specters. Readings are followed by critical analysis and discussions of the philosophical or literary texts and the artistic style of the comics. Taught in English.

Prerequisites ENG 105 or ENG 150

CHN340 - Chinese Diversity Through Food(3)

A general study of the cultural and historical significance of food in China and of China's diverse regional cultures. It introduces the history, geography, and cuisine of five major regions in China. There will be some required field trips locally. Taught in English.

Prerequisites ENG 105 or ENG 150

CIV201 - World Civilizations to 1500(3)

An interdisciplinary survey of worldwide historical events, interactions, and trends from the origins of humanity to 1500. This course follows a chronological outline and focuses on diverging perspectives and the complexities of continuity and change. Topics examined may emphasize the development of power structures, social identities and hierarchies, religions, technologies, global exchange, and conflict.

CIV202 - World Civilizations since 1500(3)

An interdisciplinary survey of worldwide historical events, interactions, and trends from 1500 to the present. This course follows a chronological outline and focuses on diverging perspectives and the historical complexities of continuity and change. Topics examined may emphasize the development of power structures, social identities and hierarchies, religions, technologies, global exchange, and conflict.

CMA100T - Transitions(3)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal needs. Graded pass/fail. (Fall)

CMA110 - Introduction to Construction Management and Architecture(3)

An introduction to construction management and architectural design, including measurements, estimating, ethics, applicable software, and analysis tools. Career opportunities in a variety of related disciplines will also be presented and discussed.

CMA199 - Environment Science and Technology Concepts (4)

Pollution assessment and control introduction intended for general public awareness. Topics include basic environmental science and ecological principles; population dynamics and resource management; sampling and analytical techniques; regulatory considerations; and water treatment, air pollution control, solid waste handling, and hazardous waste management systems. Laboratory required.

CMA210 - Construction Documents(3)

This course will explore the function and application of working drawings, specifications, and the various documents required to carry out a typical design and construction project. Students will apply and interpret industry standards as they apply to construction documents.

Prerequisites CMA 110

CMA284 - Sustainable Design and Construction(3)

Introduction to principles of sustainable design and construction of residential and commercial facilities. Topics include 'green' building fundamentals and certifications, landscaping, energy, materials, indoor environmental quality, and economics. (Spring)

CMA310 - Anatomy of Buildings(3)

Study of the function, physical makeup, and working principles of various building systems, components and materials. Emphasis on the basic design principles and interdependence of the structural, utility and climate control systems. This course is designed to enhance the student's knowledge of the total building process. (Spring)

CMA350 - Construction Systems(3)

A study of the construction industry theory and practice. Emphasis is placed on the structural and mechanical systems in single-family detached dwellings and non-residential light commercial civil construction projects. Lecture and laboratory-six contact hours.

Prerequisites CMA 210

CNM100T - Transitions (1)

course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. A student (transfer or regular) who has not enrolled in and earned 12 hours prior to his/her first semester at Murray State University must take Transitions. Graded pass/fail.

CNM132 - Network Technical Support(3)

Primarily lab-based course, studying microcomputer concepts, with emphasis on network technician practices. Students learn to operate, install, configure, troubleshoot, upgrade, and maintain microcomputers and gain an introductory understanding of computer networks. Two hours lecture and two hours lab.

CNM134 - Introduction to Telecommunications Systems Management (2)

An overview of the telecommunications industry including history, fundamentals, regulations, the marketplace, educational requirements, and job/career opportunities. The class will focus on telecommunications terminology, overviews of specific technologies and their business application.

CNM135 - Introduction to Cybersecurity and Network Management(3)

An overview of the technology and managerial considerations of the telecommunications systems management field, including history, job market, educational requirements, microcomputer concepts and basic networking concepts.

Prerequisites CNM, CIS, and CSC majors/minors only; other majors/minors require instructor approval

CNM140 - Applied Cybersecurity Programming(3)

Students learn how to script with a high-level programming language to address cybersecurity and information technology challenges and issues that may arise in the field.

CNM219 - Electronic Skills Laboratory(3)

Electrical, electronic and related mechanical drafting; printed circuit board layout and masking techniques; introduction to CAD techniques; industrial documentation procedures. The lab is integrated into the class each week and throughout the semester.

CNM232 - Operating Systems(3)

An in-depth study enhanced with hands-on activities in the study of prevalent endpoint devices, operating systems, and network administrative functions necessary to implement and maintain modern systems. Emphasis is placed on Linux and Windows operating systems installation and configuration, optimization, administrative tasks, and security. Two hours of lecture and two hours of lab per week.

Prerequisites CNM 135

CNM233 - Network Services(3)

A lecture-lab class provides the student with in-depth analysis and evaluation, name resolution, directory services, IP management, email and web services, and service availability while also teaching security fundamentals for these services and baselining the services. Two hours of lecture and two hours of lab per week.

Prerequisites CNM 135

CNM241 - Networking Fundamentals(3)

A study of fundamentals of networking including the topics of switches; routers; Ethernet; VLANs; sub-netting; routing and routed protocols; access-control lists; and device operating systems and management. Along with implementing basic security and baselining network operations. Students will be able to design and implement simple secured wired networks and internetworks upon completion of this course. Two hours of lecture and two hours of lab per week.

Prerequisites CNM 135

CNM251 - Principles of Information Security(3)

An introduction to information assurance and the study of principles and mechanisms of network and host security. The topics include security architecture and services, symmetric and asymmetric encryptions, IP and web security, public-key infrastructure, and authentication services.

Prerequisites CNM 135

CNM260 - DevOps Fundamentals(3)

Students will learn the fundamentals of development operations (DevOps). The topics covered in this course include the following: Infrastructure as Code (IaC), configuration management, deployment pipeline, microservice architecture, and DevOps security. In addition, students will gain insight into current DevOps practices used in the industry.

Prerequisites CNM 135

CNM302 - Internet of Things Networking(3)

This course is designed to provide students with the technical knowledge and skills to build Internet of Things (IoT) systems through practical labs. The course is a study of the foundational networking of the Internet of Things, how components are connected together, how they communicate, and how the process adds value to the data generated. This course will discuss security and privacy issues related to the connection of devices.

Prerequisites CNM 320

CNM320 - Introduction to Wireless Technology(3)

An introduction to the rapidly changing field of wireless technology, including the topics of wireless access technologies and fundamentals, network management and handoff, cellular, WLAN, mobile satellite services, and basic wireless security principles.

Prerequisites CNM 241

CNM323 - Wireless Mobile Internet(3)

Course will develop a comprehensive understanding of the wireless internet describing the standard activities and the current status of wireless IP (Internet Protocol), and detailing network models and specific associated techniques.

Prerequisites CNM 320

CNM324 - Wireless Communications Security(3)

This course content is designed to further a student's knowledge in wireless communications security while broadening their knowledge of penetration testing techniques used in wireless communications across enterprise networks. This course will involve defending against a variety of wireless attacks and hardening attack points in wireless communications.

Prerequisites CNM 320

CNM331 - Digital Electronics(3)

A study of Boolean algebra, binary number systems, and small- and medium-scale digital integrated circuits. Emphasis is placed upon the TTL and CMOS logic families. Three hours lecture and two hours lab.

Prerequisites CNM 118

CNS100T - Transitions (1)

Course designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

CNS200 - Professional Communications in Human Services(3)

This course prepares students to professionally communicate verbally and through written proposals, reports, and other documents in the human services professions.

CNS210 - Understanding and Evaluating Human Services Organizations(3)

A study of the various forms of organizations under the human services umbrella, including community organizations, government and policy organizations, and educational organizations. Emphasis will be placed on the application of organizational theories across human services professional contexts.

CNS311 - Deviance, Crime and Youth-at-Risk(3)

This course will introduce students to the theory and practice of working with at-risk people involved in deviance, violence, and crime. The course will focus on the facets associated with at-risk youth, including environmental, social, families, schools, delinquency, and violence, but will discuss other issues involved with adult offenders. Risk and protective factors will be discussed related to delinquency and mass violence.

CNS315 - Counseling Older Adults(3)

This course will introduce students to the theory and practice of working with adults as they transition into and through late adulthood. This course examines the challenges associated with aging and the experiences that older adults face in later years. Through learning and applying theoretical concepts, students will gain a working knowledge in providing counseling services for older adults.

CNS319 - Professional Interpersonal Skills(3)

Course is an introduction to the principles, procedures and skills necessary for providing interpersonal clinical skills for helping professions.

CNS320 - Social and Learning Theories(3)

This course will educate students about social and learning theories with an emphasis placed on the human struggles. Through participation in this course, students will learn to utilize social and learning theories to create culturally and developmentally appropriate interventions.

CNS321 - Career Preparation and Professional Development (1)

Course will assist students in examining values, strengths, and weaknesses, as they pertain to choosing a career. Emphasis will be place on career investigation, job-seeking strategies, and developing a professional image.

CNS325 - Professional Orientation and Ethics in Human Services(3)

This course provides a basic orientation to human services professional dispositions and ethical/legal challenges. The roles, functions, and ethical and legal responsibilities of human service professionals are explored.

CNS334 - Family Issues and Guidance(3)

This course provides an understanding of family issues and practical skills to engage family systems in human service settings. Family cycles, system theory, communication strategies, and family guidance skills are explored.

CNS352 - Domestic Violence and Crisis Situations(3)

This course will introduce students to the theory and practice of working with individuals and families impacted by domestic violence and crisis situations. The facets associated with the historical and cultural factors, protective factors, prevention and social change movements, and trauma and recovery theories of domestic violence and crisis will be focused on during this class.

COM100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

COM131 - Introduction to Interpersonal Communication(3)

Communication in an interpersonal environment. Topics studied include interpersonal perception, verbal and nonverbal communication, conflict reduction, and language and its use. Will not satisfy requirements for organizational communication major or minor.

COM160 - Managing Public Speaking Anxiety (1)

This course assists highly apprehensive students in developing strategies to manage public speaking anxiety. The communication needs of each student are identified and individualized action plans are developed. Grade pass/fail.

COM161 - Introduction to Public Speaking(3)

Organization and presentation of ideas through participation in frequent speech activities. Students present speeches to inform, solve problems and persuade. Communication needs of the individual students are considered and guidance is given by the instructor.

COM201 - Communication Foundations and Theory(3)

Theoretical constructs of the speech communication discipline. A survey from classical through contemporary perspectives of human discourse. Focus is on the development of the major content areas of the field.

COM215 - Introduction to Sports Communication(3)

An introduction to the theories and processes of sports communication. Surveys the communication processes of sport fans, coaches, athletes, teams, organizations, and society. Application of these theories and processes to careers in sports communication, research, and administration is emphasized.

COM242 - Appreciation of Intercultural Experiences: An Exploration of Britain(3)

This course is designed to provide students with an exploration of Britain and British culture, including the union of the countries that make up Great Britain and such topics as food, arts and music, languages, customs and traditions, soccer, royalty, immigration, and social structures. This exploration of culture will require discussion of students' perceptions of U.S. culture, resulting in a better sense of self-awareness and intercultural understanding. (Same as INT 202.)

COM243 - Appreciation of Intercultural Experiences: An Exploration of France(3)

This course is designed to provide students with an exploration of France and French culture, including but not limited to such topics as food, arts and music, artistic and scientific achievements, religion and secularism, customs and traditions, social structure, the importance of family, and US-France relations. This exploration of culture will require discussion of students' perceptions of American culture, resulting in a better sense of self-awareness and intercultural understanding. (Same as INT 203.)

COM244 - Appreciation of Intercultural Experiences: An Exploration of Food(3)

Utilizing intercultural frameworks, this course will examine the relationship between food and culture by exploring local cuisines, food choices, how food is obtained and valued, and meal preparation and consumption from countries around the world. Emphasis will be placed on the communicative value of food, culture-specific terms, and foods' intimate link to intercultural competence. (Same as INT 204.)

COM260 - Communication Ethics(3)

An introduction to the ethical challenges and responsibilities of being a competent communicator in a diverse and changing world. Students will learn to apply ethical theory and reasoning to a variety of communication processes and contexts.

COM261 - Debate and Advocacy(3)

Review and application of debate and advocacy skills including the ability to develop, organize, present, refute, and analyze well-reasoned arguments. Appropriate for individuals seeking preparation for those professions (e.g., law, business, teaching, ministry) where advocacy of ideas is essential.

COM315 - Coaching as Communication(3)

Course explores the craft of sports coaching as a communication enterprise. Examines how communication variables and techniques differ as coaches communicate with athletes, recruits, other coaches, administrative personnel, families, and other external constituents. Task, career, relational, and generative contexts of coach communication are examined.

COM331 - Interpersonal Communication(3)

In-depth study of communication and interpersonal relations.

COM340 - Intercultural Communication(3)

Designed to explore communication principles from the viewpoint of different western and non-western cultures.

CRJ100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only on transitions course will count toward graduation. Introductory seminar for all first semester criminal justice majors. Graded pass/fail.

CRJ140 - Introduction to Criminal Justice(3)

An overview of the criminal justice system as a critical component of national, state, and local government, including the relationships with legislative, executive, and judicial branches at the domestic and international levels. The active role of citizens in reporting crime, serving as jurors, and electing district attorneys, judges, and sheriffs are explained. Criminal behaviors, ethics, and constitutional protections in the Bill of Rights are addressed. The history, composition and functions of police, prosecutors, judges, courts, corrections and juvenile justice are covered. Note: This course, with a grade of C or higher, is a prerequisite to all other courses in criminal justice.

CRJ220 - Law Enforcement(3)

Philosophy, theory, and processes of policing at the federal, state and local levels.

Prerequisites CRJ 140 with a grade of C or better

CRJ240 - Corrections(3)

Philosophy, theory and processes of adult and juvenile corrections at the federal, state and local levels.

Prerequisites CRJ 140 with a grade of C or better

CRJ300 - Crime and Criminals(3)

Examines various forms of juvenile and adult criminal behavior with particular attention to the psychological, social and educational needs and characteristics of offenders and the role of law enforcement and correctional officers in dealing with offenders.

CSC100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

CSC125 - Internet and Web Page Design(3)

Introductory course covering the Internet, web page and web site design. The student will be introduced to the physical components of client-server networks and basic Internet including mailers, browsers, search engines, and FTP clients. The major part of this course will cover the fundamentals of creating web pages using freely available HTML text editors and a visual web authoring tool that provides a WYSIWYG design environment. Web page development will include the use of lists, hyperlinks, images, client-side image maps, tables, forms, cascading style sheets, and interactivity using basic JavaScript.

CSC233 - Programming in Python(3)

An introductory course in programming in Python using both procedural and object oriented methods. Topics include variables; lists and dictionaries, strings and tuples; file input/output; control structures; functions; and object-oriented programming with classes.

CSC260 - Introductory Programming(3)

This course provides an introduction to programming. Topics include algorithms, variables, input, output, conditionals, loops, functions, and other basic programming concepts. The focus of this course is on program development. This includes control structures and their syntax.

CSC275 - Introduction to Game Programming(3)

Course introduces computer game design and development. Emphasis is on two-dimensional games for a single player. Topics include: game genres, story and character development, rules of play, game physics, sound effects, usability, and the player experience. Students critique classic arcade and console games, discuss future trends in computer games and design and implement their own computer game for a popular platform.

Prerequisites CSC 145 or 232 or 233 or 235

CSE101 - Introduction to Civil and Sustainability Engineering(3)

An introduction to the field of civil engineering including engineering analysis and design process, the concept of sustainability in civil engineering, engineering economics, engineering ethics, and analytical tools. Career opportunities in a variety of civil engineering disciplines will also be discussed.

CSE284 - Sustainable Design(3)

An introduction to high-performance green buildings and their design and construction. Emphasis on LEED design fundamentals. To provide an overview of emerging delivery systems for high performance green buildings and the basis on which their sustainability can be evaluated. The U.S. Green Building Leadership in Energy and Environmental design (LEED) criteria are discussed in detail.

D Courses

DET100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal basis. Graded pass/fail.

DET101 - Introduction to Design Engineering Technology (4)

An introduction to the fundamental theory and practice of technical design communication, engineering sketching and CAD drafting conventions. Techniques are presented with emphasis on both theory and practical applications. The course includes an introduction to product design, the engineering design process, orthographic projection of product geometry and dimensioning/specifications. Lecture and laboratory-six contact hours. Open only to design engineering technology majors.

DET102 - CAD Applications(3)

An introductory course with emphasis in multiview projection for mechanical components and the design file creation using 3D parametric modeling. Cannot be taken for credit by DET/Design Engineering Technology majors/minors.

DET120 - Processes and Materials(3)

Study of manufacturing processes and materials as they apply to contemporary industrial products. May not be taken for credit by DET majors

DET221 - Design Visualization(3)

Application of art elements and principles of design to everyday living. Lecture, two hours; laboratory, two hours.

DET240 - Woodworking Design and Practices(3)

Fundamental instruction in woodworking materials, design, planning procedures, hand tool use, machine tool operations, construction techniques and safety principles and practices. This is a practical course for the beginner and woodworker with intermediate knowledge and skill. Lecture and laboratory.

DET241 - Woodturning (2)

Spindle, face plate, chucking operations and procedures involved in woodturning. Experiences in designing, turning and finishing. For beginning woodturners and those who want to improve their skill. No prerequisite. Lecture and laboratory.

DET254 - Furniture Construction and Finishes (2)

A study of construction and finishing techniques used in the furniture industry. Lecture two hours.

E Courses**ECO100T - Transitions (1)**

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

ECO140 - Contemporary Economics(3)

Fundamental economic principles applied to a wide range of real world problems, with the objective of developing an understanding of the market form of economic organization. Designed specifically for two purposes: (1) to meet the needs of the students who are able to take only one economics course in their curriculum, and (2) to satisfy the University Studies social science requirement. Does not apply toward business or economics major, minor, or area requirement.

ECO190 - Consumer Economics(3)

The course prepares the student to manage his or her own personal financial affairs in a competent manner as well as providing a foundation for later study and work in the financial planning field. Designed to meet the needs of both business and non-business majors. Cannot receive credit for both ECO 190 and FIN 230.

ECO200 - Economics and Politics(3)

This course provides an introduction to the economic analysis of governments and politics. Topics covered include the role of special interest groups in American government, the growth of the government sector in the American economy, and the fundamental differences between private and public sector decision-making. The course is designed to introduce students to the role that incentives play in understanding government decision-making. Does not apply toward business or economics major, minor, or area requirement, but may be used as an elective.

ECO320 - Women in the Global Economy(3)

An analysis of the economic conditions and opportunities faced by women around the world. The course focuses on women's access to resources and their roles in the formal and informal economies. Analysis of gender and markets as social constructs will be developed.

ECO325 - Economics of Corruption in Transition and Developing Countries(3)

Course is an introduction to the various definitions, causes, consequences of, theories about corruption, the techniques employed in measuring it, and the tactics used to combat it. In particular, the course differentiates the type of corruption known as "state capture" (which refers to corrupt efforts to influence how laws, rules, and regulations are formed and implemented) from political corruption (which refers to the use of existing laws, rules, and regulations to secure favor).

EDP260 - Psychology of Human Development(3)

A study of the systematic changes in the cognitive, behavioral, social, and biological functioning of the individual across the developmental stages of life. Note: Cannot be counted toward both teacher certification and the psychology major or minor. Field hours required.

EDU100T - Transitions (1)

Course designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

EDU180 - Exploring the Teaching Profession(3)

This course introduces teacher candidates to the work and culture of the teaching profession through required clinical observations and interaction in an appropriate school setting in early childhood, elementary, middle school, and secondary school environments. Candidates will actively explore the importance of professional identity; roles and responsibilities; knowledge, skills, and dispositions; student-centered practices; and students' developmental and cultural needs. Clinical experiences required.

EDU222 - Instructional Technology(3)

Course introduces students to the wide variety of emerging and existing technology applications that are commonly seen in modern educational classrooms. Students will explore, evaluate, and demonstrate competence in the use of instructional technology as a tool for the interactive and engaging classroom.

Prerequisites EDU 180

EDU250 - Signed English I (1)

Course is designed for students who want to acquire skills to communicate manually with babies, preschoolers, children, and others with special needs. The introductory course includes the manual alphabet and development of basic skills in Signed English (SE), and Baby Signs®. Field experiences are required.

EDU280 - Educating for Human Development(3)

Course addresses human development as a foundation for student learning across the lifespan. Specifically, candidates will develop a basis for creating developmentally appropriate instruction and assessment. Emphasis will be placed on understanding the importance of building relationships, developing collaborative partnerships, and creating a culturally responsive, student-centered environment to meet all students' needs. Clinical experiences required.

EDU330 - Teaching Strategies for Non-Certification Majors(3)

This course is an introduction to and application of the instructional skills for teaching children, middle/late adolescents, and adult students. This course cannot be accepted for any teaching certification program. Topics include the design of lessons to encourage appropriate outcomes and behaviors for all learners, an in-depth study of

learning styles and outcomes, and the initial development of a personal philosophy of teaching.

Prerequisites HPE 175 with a C or higher

EES100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

EES101 - The Earth and the Environment (4)

An introduction to the physical geology of the Earth, with an emphasis on earth materials and the interactions between land, air, water, and life. This course will investigate how processes within the earth system have produced resources, landforms, catastrophes, climates, and biological evolution during Earth's history. Includes consideration of human impacts on the earth system and the ways humans have used earth materials through time. Three hours of lecture and two hours of laboratory per week.

EES102 - Earth and Life Through Time (4)

An introduction to the history of Earth and life over time, with a focus on the North American continent. Topics include Earth's origins, changes in the oceans and atmosphere over time, major plate tectonic events, the evolution of life, and the interactions between organisms and their physical environment. Labs will use fossils, rocks, and minerals to interpret changes in the geosphere, atmosphere and biosphere over time, and explore methods used to reconstruct past environments. Three hours of lecture and two hours of laboratory per week.

EES103 - Saving Planet Earth(3)

A study of the problems faced by humans on the Earth, including human population growth, over-exploitation of natural resources, climate change, habitat destruction and species extinction. The philosophical, behavioral, ethical, and scientific basis of these problems and their solutions will be discussed, with an emphasis on the global nature of the issues. The course will also explore the potential for humans to live in a sustainable fashion on the planet, and emphasize the social responsibility and civic engagement required to do so. (Same as BIO 103.)

EES110 - World Geography(3)

A course designed to introduce students to the geographic distribution of major regions of the world. Attention will be focused on the delicate interrelationships between the natural landscapes of the earth and corresponding major cultural activities.

EES115 - Dinosaurs(3)

Course introduces the scientific study of dinosaurs through the lenses of historical geology, paleontology, and biology. This course will systematically walk through the major groups of dinosaurs focusing on their interrelationships, anatomy, lifestyle and appearance. Special attention will be paid to how we reconstruct dinosaur biology from physical evidence and how our scientific impressions of dinosaurs have changed over time. Topics include fossil preservation, feathered dinosaurs, the origin of birds, thermoregulation, the cause of the dinosaur extinction, and common dinosaur misconceptions.

EES120 - Dangerous Planet(3)

An introduction to the causes, occurrences and consequences of natural disasters. Students analyze physical causes as well as the distribution and frequency of disasters such as earthquakes, volcanoes, tornados, hurricanes, floods, wildfires, and extraterrestrial impacts, using current events, case studies of historical disasters, and depictions of disasters in film. The course will focus on naturally occurring disasters with an examination of the human role in contributing to and mitigating natural disasters.

EES125 - Weather and Climate (4)

Introduction to the dynamics of the atmosphere and how humans interact with and are influenced by atmospheric processes and climatic variations. Three hours of lecture and two hours of laboratory per week.

EES151 - Geosciences of Alcohol (4)

Alcoholic beverages and their production are restricted to particular geographic regions. This course will explore the geographic distribution of four different alcohols (Kentucky bourbon, wine, hard cider, and rum) using an interdisciplinary approach as broad as the geosciences department itself (including geology, geography, and archaeology). The discussion of each alcohol will begin by examining the ingredients and chemical processes involved in fermentation as well as the geographic distribution of production centers. We will evaluate how climate, hydrology, geology, and soils within the production center impact the availability, chemistry, and flavor of raw materials (e.g., water, corn, grapes, apples, and sugar cane). By examining the archaeological history of alcohol production, we will explore how the geographically restricted production of each alcohol caused it to be incorporated into the cultural identity of a region and how that translates into impacts on local economies, tourism, and state identity. The course will also include an optional field trip to a regional production facility.

EES199 - Earth Science (4)

This course introduces basic earth science concepts with elaboration on the origin, structure, and the complex interactions between the major earth components of the atmosphere, hydrosphere and lithosphere. Three hours lecture and two hours lab per week.

EES200 - Introduction to Oceanography(3)

An introduction to the study of oceans and marine processes, with emphasis on the morphology of the ocean floor, life in the ocean, oceanic circulation, seafloor spreading and shoreline management.

Prerequisites One college-level physical or biological science course

EES202 - Introduction to Geographic Information Science (4)

This course is designed to provide an introduction to the fundamental principles and concepts of the mapping sciences. The course will focus on digital image processing and geographic information systems as techniques utilized in such areas as land cover and land capability mapping. The introduction of global positioning systems (GPS) as an auxiliary mapping tool is also included in the course. Three hours lecture and two hours lab per week.

EES205 - Mapping for Society(3)

This course will examine the fundamental concepts and techniques of geographic information system (GIS) technology and their application to social sciences and humanities. Students will learn how to collect, organize, process, and display geographical data from national, state, and local sources. Emphasis will be placed on spatial data fundamentals, examining the utility of online mapping services and related applications, preparing various data types and formats of use in the development of an online mapping application. Labs will introduce students to current industry-wide software, cloud-based mapping technology, cartographic design, and methods for preparing digital maps for public consumption.

EES210 - Hydrology(3)

Occurrence, movement, quality and behavior of water in hydrologic cycle with reference to recovery of underground water in areas of detrital and carbonate rocks. Three lectures per week.

Prerequisites EES 101

EES250 - Geography of the Developing World(3)

A survey, by climatic regions, of the cultural, economic and natural setting of the developing world, including the transitional nature of the subtropics.

EES251 - Geography of Industrialized World(3)

A survey, by climatic regions, of the cultural, economic and natural setting of the industrial world.

EES300 - Economic Geology(3)

Distribution, mode of occurrence, origin and uses of mineral deposits. Environmental problems associated with extraction and utilization of mineral resources.

Prerequisites EES 102

EES303 - Introduction to Water Science(3)

An introduction to the study of the marine and freshwater environments of the earth. Study of the oceans as the largest component of the earth's hydrosphere will emphasize geological forces which are shaping the ocean floor, ocean currents and tides, the origin of ocean salt, and life in the ocean. Study of freshwater components of the earth's hydrosphere will emphasize connections with the ocean and the special role of each component in the earth's hydrologic cycle.

Prerequisites One college-level physical or biological science course

EES305 - Introduction to Cartography(3)

Course will emphasize the art, science, and history of the mapping process. Elements of map design and construction will be explored, including coordinate systems, map projections, design concerns, and information management necessary for map creation. Fundamental map skills will be developed, common map applications covered, and future mapping trends explored. Lecture topics will be augmented by hands-on exercises using current GIS software.

EES306 - Landscapes of the National Parks(3)

Course explores the most distinctive and intriguing features of America's National Parks. Emphasis is placed on the geology, ecology, and archaeology of each park, with emphasis placed on how each of these components influences the other in a dynamic feedback system. One Saturday field trip will be required. (Same as ARC 306.)

Prerequisites EES 101 or 102

EES312 - Introduction to Remote Sensing (4)

The purpose of this course is to introduce students to the fundamental concepts and techniques in the processing, interpretation and utilization of remotely sensed imagery. The focus of the course is on applications in such fields as agriculture, environmental studies, minerals exploration and resources management/planning. Three hours lecture and two hours lab per week.

EES314 - Sediments and Soils (4)

An in depth study of sediments and soils. Emphasis will be on the geologic formation, interpretation, and significance of sediments and soils in a variety of geologic,

environmental, and archaeological contexts. Three hours lecture and two hours laboratory per week plus one required Saturday field trip. (Same as ARC 314.)

Prerequisites EES 101

EES320 - Geography of North America(3)

Regional approach to studying the dynamic interaction between the physical and cultural aspects of North America.

EES325 - Geography of Russia and Central Asia(3)

Regional approach to studying the dynamic interaction between the physical and cultural aspects of the Russia and the republics of Central Asia.

EES327 - Geography of Middle East and North Africa(3)

Regional approach to studying the dynamic interaction between the physical and cultural aspects of the Middle East and North Africa.

EES330 - Economic Geography(3)

Course facilitates discussions that focus on the spatial distribution of resources that pertain to economic use, the production, distribution and consumption of goods, the flow of labor and capital and the process of economic and urban development in the context of globalization.

EES336 - Principles of Geomorphology (4)

The origin, characteristics and development of landforms and the processes which determine their formation. Three hours lecture and two hours lab per week.

EES339 - Field Geology(3)

A course designed to acquaint the student with field and laboratory techniques used by the geologist and to familiarize the student with the geology of Kentucky and adjacent areas. Lectures, laboratory and field study.

Prerequisites EES 102

EGR100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introduction to the EGR major, the engineering profession, the department, and the university. Graded pass/fail. (Same as PHY 100T.)

EGR101 - Introduction to Engineering(3)

An introduction to the field of engineering. Students learn about the engineering design process, engineering measurement, engineering economics, engineering ethics and engineering analysis tools. Career opportunities in a variety of engineering disciplines will also be presented and discussed.

ELE301 - Language and Early Literacy for Early Childhood(3)

This course focuses on the child's emerging literacy and exposure to language stimulation. Combining research, reflection and early childhood practices, the course fosters an understanding of how techniques and activities affect language and early literacy skills development in young children infancy through five years of age with and without disabilities. Field experiences required.

Prerequisites EDU 180

ELE302 - Music and Movement for Young Children(3)

An in-depth exploration of developmentally appropriate music and movement experiences for young children infancy through five years of age. Students will develop skills to assist young children with and without disabilities in producing, recognizing and creating simple songs, playing with melody, and expressing feelings through music and movement.

ELE308 - Teaching Mathematics and Science in Early Childhood(3)

This course is a study of mathematics and science curriculum and research-based teaching practices for early childhood. Field experience required.

ELE310 - Classroom Environment and Student Engagement for Elementary(3)

Course explores the importance of creating a positive and productive elementary classroom environment that actively engages all students and promotes learning for all. Students will develop an understanding of developmentally appropriate practices, motivational theories, teacher-student interactions, and strategies for addressing the needs of a diverse student population. Field experience is required for this course.

Prerequisites EDU 280

ELE311 - Health, Wellness and Movement(3)

This course explores how a mixture of content and pedagogy in physical education relate to the elementary classroom teacher. Emphasis is placed on teaching future teachers how to teach health, wellness, and movement concepts to children in the classroom.

ELE320 - Child Guidance(3)

Course is designed to familiarize student with developmentally appropriate guidance strategies for preschool children in inclusive settings. Weekly lecture and field experiences are required.

EMT101 - Engineering Technology Applications(3)

A study of the application of mathematical concepts taught in traditional mathematics courses as they apply to simple engineering technical systems. The course will use current analysis tools, such as MATLAB, to mathematically model and solve for design and performance characteristics of systems based on the basic concepts of physics in motion mechanics, electrical systems, and fluid and thermal systems.

EMT201 - Mechanical Devices(3)

Introduction to electro-mechanical component simulation programming used in mechatronics and automation control systems. The course will cover general programming concepts and methods using C or MATLAB to model and control electromechanical systems such as: embedded systems, automation controllers, and servo control systems.

Prerequisites EMT 101

ENG096 - Basic Writing(3)

A writing skills course that emphasizes paragraph and essay development. The course is required for entering freshman with ACT English scores 16 or below and must be completed before enrollment in ENG 105. Advanced placement into ENG 105 is possible through Murray State University Center for Academic Success English assessment exams. Credit is earned in this course may not be counted toward graduation requirements.

ENG100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area of major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

ENG210 - Foundations of Cinema(3)

This course provides students with a basic terminology and set of concepts for understanding cinema both as a sophisticated form of art and as a popular medium of entertainment.

ENG243 - Literary Masterpieces: Fantasy, Myth and Legend(3)

A study of the literary manifestations of fantasy, myth, and legend.

ENG251 - The Bible as Literature(3)

A study of the Bible as a literary source. (Same as RGS 251.)

ENG253 - Comedy, Satire, and Popular Culture(3)

An introductory literature course to explore comedy, satire, and their influence on popular culture, both past and present, in a wide variety of media.

ENG254 - Food, Literature, and Pop Culture(3)

An introductory literature course to explore the importance of food in our lives as it has been presented in literature and pop culture through diverse historical periods and cultures.

ENG276 - The World Through Literature, Film, and Philosophy(3)

This course connects enduring questions to significant contemporary issues through literature, film, and philosophy from different historical and cultural traditions and perspectives. Specific topics may vary, but all sections of the course will share a set of works from literature, philosophy, and film that speak to fundamental issues pertaining to the human condition and our contemporary world.

ENG313 - History of the Cinema(3)

This course will cover the international, historical, cultural, artistic, and technical development of the cinema from the beginnings to the present, with some emphasis on American contributions. (Spring)

ENT100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or majors(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal needs. Graded pass/fail. (Fall)

ENT111 - Electric Systems(3)

A study of dc and ac circuits including an introduction to three-phase systems and electric power. Lecture and laboratory provide learning experiences with basic test instruments, circuits, components and computer analysis. Three hours lecture and two hours lab.

ENT286 - Introduction to Environmental Engineering Technology(3)

An introduction to air and water pollution control, water and wastewater treatment, steam and groundwater hydrology, energy and resource demands. Included are discussion of ecological bases of water and air treatment systems, data and analyses, and statistical and computational techniques.

ENT293 - Manufacturing Process and Materials(3)

A technical and economic analysis of the various methods of fabrication, processes utilized and materials used in today's manufacturing industry. (Fall)

EXS100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

EXS101 - Introduction to Exercise Science(3)

An overview of coursework, career options, and professional skills in exercise science and related health fields. The course will introduce the foundational concepts and theories used in exercise science.

EXS110 - Fundamentals of Fitness(3)

Course designed to provide students with basic skills in activities like weight training, aerobics, and other lifetime activities. Topics will vary according to needs of students and expertise of faculty. Some travel to various facilities may be required.

EXS250 - Anatomical and Physiological Concepts for Health Sciences(3)

A course designed to familiarize the student with basic anatomical and physiological concepts of the human body. This course will utilize lecture and lab-based learning to study the structure and function of the cells, tissues, organs, and major systems of the human body and will explore how systems interrelate to maintain homeostasis. This course also includes an overview of basic anatomical terminology. The laboratory component of this course is delivered using virtual labs and interactive simulations with detailed instruction and demonstration. This course serves as a foundation for additional health science courses.

Pre/Co-requisites NUR/EXS/NTN/PCH 100T

EXS275 - Exercise Instruction(3)

Course designed to develop knowledge and skills required to conduct and/or supervise exercise. Students will become familiar with a variety of exercise formats intended to enhance cardiorespiratory fitness, muscle strength and endurance, and musculoskeletal flexibility. Students develop the ability to select appropriate exercises, identify improper form/technique, recommend/demonstrate appropriate exercise progression, and modify exercises based on skill and/or to minimize injury. Field trips may be required.

Prerequisites EXS 101

EXS295 - Acute Care of the Physically Active (2)

A course designed for exercise and allied health science students working with physically active persons to respond to emergency situations. Students will learn to provide first aid and perform cardiopulmonary resuscitation (CPR) at the professional rescuer level. American Red Cross CPR for the Professional Rescuer, Responding to Emergencies First Aid, and other various certifications may be earned.

EXS305 - Bracing, Splinting and Taping (1)

A lab course designed for athletic trainers and others working with physically active persons. Students will learn how to properly fit braces, manufacture splints, and use prophylactic taping techniques on patients with musculoskeletal injuries.

F Courses

FCS110 - Introduction to Early Childhood Education(3)

Course will serve as a practical and basic introduction to the early childhood profession. It satisfies the requirements for the Kentucky Commonwealth Child Care Credential and serves as a foundation for initial skills and knowledge for early childhood professionals. Field experiences are required.

FCS111 - The Family and Its Environment(3)

An introduction to the changing structure and dynamics of families in our diverse society. Identification of changes and choices available to family members and critical issues facing families. Some topics that may be included are: changing gender role expectations, family policy, communication in families, family violence, divorce and effects on family, aging families, parent-child relationships, cultural and racial diversity, remarriage and blended families, and myths and facts about families.

FCS213 - Family Relationships(3)

An exploration of relationships within family networks and the interacting social and environmental factors that influence them. Topics such as friendship, dating, marriage, parenting, and extended family relationships, as well as challenges such as family communication, conflict, and stress will be explored.

FCS241 - Family Resources(3)

This course will include a study of fundamental money management skills and theory underlying family resource management practices. The class will provide an opportunity for students to apply their skills in managing time, energy, money and human capital in individual and family settings.

FCS250 - Early Childhood Development(3)

In-depth study of early childhood, infancy through age eight, including concepts, principles, and development theories. Students will observe, record and analyze the social, emotional, physical, and cognitive development of the typical and atypical child at multiple developmental stages in the social and cultural context. Field experience is required.

FCS330 - Home Environment and Interior Design for Family and Consumer Sciences(3)

An introduction to designing and managing a home for maximum use as the familial nucleus of work, play, and rest. Historical and current trends in interior design and home management will be discussed with special focus on real-world application of content and teaching strategies for Family and Consumer Sciences professionals.

FCS340 - Textiles, Fashion, and Apparel for Family and Consumer Sciences(3)

An introduction to fiber, fabrics, and clothing lab management for the Family and Consumer Sciences professional. Focus will be placed on materials and skills related to textiles, clothing selection and care, the general history of fashion design, career opportunities within the industry, and hands-on teaching methods. Trends in textiles, fashion, and apparel will also be covered.

FCS342 - Consumer Decision Making(3)

A decision making model is used to study consumer decision making throughout the life cycle. Goal setting, consumer redress, money management, financial planning and buymanship are explored. Emphasis is placed on consumer responsibility in relation to environmental and energy concerns. Global interdependence issues are also included.

FIN100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

FIN230 - Personal Financial Planning(3)

The course prepares the student to manage his or her own personal financial affairs in a competent manner as well as providing a foundation for later study and work in the financial planning field. Designed to meet the needs of both business and non-business majors. Cannot receive credit for both FIN 230 and ECO 190.

FRE105 - Introduction to French Culture(3)

A survey of contemporary French character and society. Using a historical perspective, attitudes, achievements, institutions and life styles of the French people are explored. Designed to satisfy the university studies humanities requirement. Taught in English.

G Courses

GCM151 - Introduction to Graphic Communications(3)

Reviews the graphic reproduction systems of mass-communication including print manufacturing, digital imaging, computer animation, video capturing, customer service, business operations, and global media marketing. Lecture and laboratory

GCM152 - Content Management Systems (1)

This course focuses on designing a content management system, acquiring or creating content for the system, and ongoing management of the system.

GCM153 - Electronic Imaging(3)

An introduction to principles, software, and theory of graphic communications.

GCM252 - Digital Image Conversion(3)

Introduction to converting continuous tone and line illustration to digital and film formats. Covers materials, equipment, camera/scanner operation, problem-solving, pre-flighting and imposition techniques. Lecture and laboratory.

Prerequisites GCM 151

GCM340 - Introduction to Gravure(3)

This course covers the magazine and packaging industry as they relate to high volume printing. Included in the course are: pre-flighting, customer service, press production, problem-solving techniques, and distribution systems.

Prerequisites GCM 151

GCM342 - Finishing and Distribution(3)

Introduction to post-press and finishing operations and distribution practices common to the packaging and printing industries. Course covers historical as well as modern aspects of finishing, embossing, foil stamping, die-cutting, and material fulfillment.

Prerequisites GCM 151

GCM351 - Graphic Communication Principles(3)

A study of the field of Graphic Communications. Reviews the visual reproduction systems of mass-communication. Emphasizes industry concepts, principles, and practices, with laboratory applications in design, digital layout, and image capture/manipulation.

Prerequisites GCM 153

GDS201 - Introduction to Gender and Diversity Studies(3)

This course will provide students with an interdisciplinary examination of the issues concerned with multiculturalism, economic and social class, and gender. Students will gain a broad historical perspective of how these factors have had an impact on the formation of America as a country and as a nation in the international context.

GDS251 - Critical Disability Studies for the Humanities(3)

This course explores the field of disability studies within the humanistic tradition by applying concepts from historical movements and current conversations to examine works of literature, philosophy, film, art, and other humanistic disciplines. This course will explore various topics including: representations and depictions of bodily or cognitive disability and normativity; the lived experience of disability; visual and narrative tropes; laws, events, or movements that have shaped disability culture, and how those events are depicted in artistic and theoretical works. Sections may place primary emphasis on literature, visual art, philosophical debates, or cultural artifacts, depending on the instructor(s).

GDS316 - Women and Gender in World History(3)

Introduction to the study of women and gender in historical perspective. The influence of class, race, ethnicity, and sexuality in various societies around the world will be emphasized and key theories, methods, and debates examined. Topics will differ, depending on the instructor. (Same as HIS 316)

GDS351 - Topics in Gender and Diversity(3)

Changing topics in the study of gender and diversity, to be determined by the instructor. May be repeated for a maximum of six credit hours.

Prerequisites GDS 201

GDS356 - The Art of Non-Western Cultures(3)

Study of the arts of Asia, Oceania, Africa and the Pre-Western Americas. (Same as ANT, RGS 356.)

GER105 - Introduction to German Culture(3)

A survey of the contemporary culture of Germany, Austria and Switzerland with emphasis on the values, behavioral characteristics, social and political systems and achievements of the German-speaking people. Conducted in English.

GTY207 - Inclusive Recreation(3)

A survey of the characteristics and recreational needs of the various types of exceptional children and adults. (Same as REC 207.)

GTY264 - Psychology of Aging(3)

The study of the biological, cognitive, affective and social aspects of the aging process. The normal and pathological conditions of aging are emphasized. The interaction of the aged and society is also considered. (Same as PSY 264.)

Prerequisites PSY 180

GTY265 - Psychology of Death(3)

A study of the place of death in the process of human development. Two viewpoints will be stressed: death of self and death of others. Emphasis will be given to the cultural, social, biological and affective aspects related to the final stage of life. Customs, medical practices, financial concerns, legal matters and scientific issues will be considered. Students enrolled for graduate credit will be required to fulfill additional requirements. (Same as PSY 265.)

Prerequisites PSY 180

GTY303 - Community Leisure Organizations(3)

Study of administrative and leadership procedures related to leisure organizations in the community. (Same as REC 303.)

GTY330 - Death and Dying: Issues for Caregivers(3)

Course addresses concepts of cultural, social, and biological aspects for caregivers as they interact with persons in the final stages of life. Methods of assessment, attitudinal change, and skill development that enhance successful communication with families and patients will be included. Field trips will be required. (Same as PCH 330.)

GUI097 - Self-Realization and Career Investigation(3)

A course developed especially for Student Support Services students as a prerequisite to GUI 100. The course is designed to enhance students' abilities to examine and identify their values. Decision-making skills which are essential to value clarification, occupation, and course work choices are confirmed through role playing and class discussion. Computer software will be used for the purpose of career investigation. Credit earned in this course may not be counted toward graduation requirements.

GUI100 - Self-Development and Career Exploration (1-3)

A study of decision-making as it relates to the student's life experiences. In-class activities teach the concepts of decision-making, time management, career planning, assertiveness and communication skills. Credit for general elective.

H Courses

HIS100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introductory seminar for all first semester history majors. Graded pass/fail.

HIS106 - Revolutions and World History(3)

An introductory seminar on the history of revolutions. The course explores the concept of revolution and various contexts in which revolutions have taken place, and it examines examples such as the American, French, Haitian, Russian, Chinese, Mexican, and Iranian revolutions. This course helps students grapple with the difficult moral and ethical issues raised by revolutionary upheaval and its consequences for different groups in society.

HIS108 - The Holocaust(3)

An introductory seminar focusing on the history of the Holocaust. This course explores the various genocidal projects implemented by Nazi Germany from 1933 to 1945. It also deals with issues of memory and with the legacies of the Holocaust for world history and seeks to engage students in the difficult moral and ethical questions raised by the Holocaust.

HIS120 - Exploring the World's Great Cities: Heritage and Modern Life(3)

This introductory seminar examines major themes of tradition, modernity, and globalization in the history of cities. It also explores tourist attractions and day-to-day life in these urban centers.

HIS176 - History of the United States Constitution(3)

This course will analyze the historical development of the US Constitution from its inception in the late seventeenth century to the present day.

HIS200 - Making of Europe to 1500(3)

An examination of major political, economic, social, and intellectual developments in European history from pre-history to 1500. Course materials stress the persons, forces, and values that have shaped European society.

HIS201 - Making of Europe, 1500 to the Present(3)

A examination of major political, economic, social, and intellectual developments in European history, 1500 to the present. Course materials stress the persons, forces, and values that have shaped European society.

HIS202 - Understanding Global History(3)

A study of major themes and methods of exploring global history. The course focuses on approaches to understanding the world and is designed to provide background for upper-level courses as well as to acquaint students with the forces and ideas that have shaped global history.

HIS209 - World Religions(3)

A study of the diverse histories, beliefs, and practices of the world's major religious traditions, including Judaism, Christianity, Islam, Hinduism and Buddhism. Emphasis will be placed upon developing cultural awareness of the uniqueness of these traditions and the people who adhere to them as participants in a global society. (Same as RGS 209.)

HIS310 - History at the Movies(3)

This course, which treats films as cultural products and historical documents, explores the ways in which films represent the historical past, examines changes in popular understandings of the past, and considers debates over cinematic versions of history. Topics will vary depending on instructor.

HIS315 - Women in American History(3)

This course will examine the position and contributions of women in American society from the colonial period to the present from the perspective of the major trends in American history. It will focus on significant women in each period, while emphasizing several particular themes.

HIS318 - History of Fashion(3)

This course examines fashion as a global industry and as a historically constructed system that reflected and shaped the power structures, economies, social identities, and cultural practices of various societies.

HPE175 - Foundations of Health and Physical Education(3)

Designed to provide an overview of health and physical education. This will examine the scope, history, philosophy, aims and objectives of health and physical education programs as well as career opportunities in the field.

Prerequisites Permission of the program coordinator

HPE180 - Movement Concepts(3)

This course is designed for future physical education teachers. This course focuses primarily on 'what' to teach in the elementary school and not "how" to teach. This class focuses on understanding quality physical education that is developmentally appropriate for children. Emphasis is on the skill theme curriculum focusing on movement concepts, generic levels of skill proficiency, and skill themes. Some basic motor development, applied scientific principles for movement, and fundamental health and fitness concepts are also included in the content.

HPE185 - Healthy Aging(3)

An overview of the physical, mental, social, and emotional aspects of growing older with a focus on healthy aging. Through service learning, students will plan and lead a recreation program with area senior citizens.

HPE195 - First Aid and Safety (1-2)

The purpose of this course is to give the student knowledge of the practice of first aid including the performance of cardiopulmonary resuscitation. Emergency Cardiac Care and First Aid certifications may be earned. (Same as PCH 195.)

HPE200 - Concepts of Health Education(3)

Course is designed to cover health-related issues that are encountered by physical education/health teachers which include, but are not limited to: disease transmission, effective communication, illegal, prescription, and over-the-counter drug abuse, and misuse, as well as the abuse of alcohol consumption; eating disorders; risk management/liability issues associated with K-12 athletes; head injuries; performance-enhancing drugs; and mental health.

HPE275 - Movement Analysis for Health and Physical Education (4)

This course is designed to develop physical activity analysis skills in preservice physical education teachers utilizing the basic principles of physics, biomechanics, and applied kinesiology. Topics include skeletal, muscular, and nervous system anatomy; basic principles of physics and motion; and teaching principles involved in movement analysis. Three hours lecture plus two hours laboratory per week.

HPE285 - Evaluation and Assessment in Health and Physical Education(3)

Basic evaluation and assessment methodologies applicable to health and physical education plus other physical testing techniques commonly employed in these fields. Various physical skill tests will be included. Field experiences required.

Prerequisites HPE 175

HPE295 - Physiology of Exercise and Fitness(3)

Concepts of physiology as applied to exercise and fitness directed toward the needs of physical education teachers.

Prerequisites HPE 175

J Courses

JMC100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

JMC168 - Media Literacy and Society(3)

This course examines the cultural, communicative and institutional factors shaping media industries and their roles in the exchange of public information. It examines the major media industries, including books and newspapers, advertising, journalism, public relations, radio, television, film, recorded music, and digital and social media. Open to non-majors as an elective. It is a prerequisite for further in-depth studies of advertising, journalism, mass communication, public relations, and television production.

JMC268 - Diversity, Equity and Inclusiveness in Media(3)

The course critiques and explores the vital role of diversity, equity and inclusion in Advertising, Digital Media, Journalism, Public Relations and Television. This course examines the roles of gender, ethnicity, and social class as represented and documented in the mass media. These issues are analyzed within the context of media content, development, policy, and ownership, including stereotypes and the role of alternative and community media. Critical thinking is emphasized through the review of mass media, focusing on the contributions of diverse groups to mass media and mass communication as an agent and documenter of social change.

JMC330 - Mass Media Effects(3)

A systematic approach to mass media in terms of structure, functions and effects; includes such topics as meaning, perception, selectivity, ethics persuasion, subliminal seduction, violence and erotica, political socialization, learning, agenda-setting, and uses and gratifications.

JMC384 - Sports Media(3)

The symbiotic relationship between sports and the media that cover them. Also, the impact these two institutions working in tandem have on American society.

M Courses

MAT095 - Fundamental Mathematics (2)

Basic operations as they pertain to integers, fractions, decimals, and percentages. Applied problems will include topics in geometry. This course is no longer offered at Murray State University, and credit earned previously in this course or credit transferring in as this course cannot be counted toward graduation requirements and cannot be used to fulfill University Studies requirements.

MAT096 - Introductory Algebra(3)

Introduction to roots, exponents, and polynomials; linear and quadratic equations; factoring; graphing; systems of equations and inequalities with applications using these concepts. This course is no longer offered at Murray State University, and credit earned previously in this course or credit transferring in as this course cannot be counted toward graduation requirements and cannot be used to fulfill University Studies requirements.

MAT100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Required for all entering freshmen. Graded pass/fail. (Fall)

MGT100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

MGT350 - Fundamentals of Management(3)

The fundamental concepts, relationships and principles of managing organized activities are studied. Special emphasis is given to human behavior in organized systems, with attention to the diverse workforce, interpersonal relations, group processes, and the philosophy for managing human resources effectively.

MGT364 - Introduction to Hospitality and Tourism(3)

Course will provide an overview of the hospitality and tourism industry related to lodging/accommodation, food service, and travel sectors. (Same as MKT 364.)

Prerequisites MGT 350 and MKT 360

MGT370 - Sports Business(3)

Course will prepare students for managing sports-related businesses from a strategic perspective. The course provides the foundation for a variety of sports business careers by establishing the basic knowledge and skills needed and examining current trends and issues. It will focus on the unique qualities of the sports industry, which include service and product characteristics, individual and group behavior, and amateur and professional levels.

Prerequisites MGT 350

MKT100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

MKT285 - Social Media Marketing and Other Promotional Tools(3)

This course focuses on current and popular social media platforms and related marketing techniques, and also covers material on the new technologies for marketing which are currently shaping the world's economy and markets. The course includes practical, hands-on instruction in these technologies, readings on their potential impact, discussion of appropriate strategies for exploiting them, and projects that integrate multiple technologies in business settings.

Prerequisites Freshman or sophomore standing

MKT360 - Principles of Marketing(3)

An integrated study of the interrelationship of marketing to the other primary functions of business through an analytical survey of problems related to product planning, pricing, promotion, channels of distribution, and legislation affecting marketing activity encountered in distributing goods and services to markets. Emphasis is on the role of the consumer.

MKT362 - Food and Beverage Marketing(3)

Course will examine food and beverage marketing along with the food chain, focusing primarily on the producer—retailer—consumer portion of the food chain. We will consider the roles of consumers, scientists, policy makers and food marketers while exploring (1) the food-marketing environment, (2) techniques used by food and beverage marketers, and (3) social, health and ethical issues relevant to the food chain and food marketing.

MKT364 - Introduction to Hospitality and Tourism(3)

Course will provide an overview of the hospitality and tourism industry related to lodging/accommodation, food service, and travel sectors.

Prerequisites MGT 350 and MKT 360

MUS100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. The course is designed to provide information for the freshman music student about the academic and musical life of the music major. Emphasis will be placed upon university resources and services found on campus. Graded pass/fail.

MUS102 - School of Rock: History and Stylistic Development of Rock Music(3)

In this course, students will survey the evolution of musical practices in rock music from the early twentieth century through the present. Students will learn to distinguish the major eras of rock music and writers/composers, musicians, and musical styles. This course will develop critical listening and analytical skills in relation to rock music.

MUS103 - A Grand Ole Tour: History of Country Music(3)

A survey of the country music genre, including its major performers, songwriters, and songs from foundations to modern day. The course will examine the musical, cultural, and economic history of country music through aural presentation, readings, and discussion.

MUS104 - All that Jazz: Exploring Jazz History & Styles(3)

A survey of the many facets of jazz music. Designed to follow stylistic trends as jazz developed from nineteenth-century African and European influences to the modern forms of today. The study of significant composers, compositions, performers and terminology associated with this uniquely American musical form through listening assignments, reading and discussion activities.

MUS105 - Hooked on Classics: Exploring Composers and Masterpieces(3)

Understanding and appreciation of music for the beginner. Designed to acquaint the student with the place music holds in heritage through studying and listening to great musical works; to acquaint the student with composers and the influence of history on their compositions; and to create the ability to understand and enjoy music in the world around us. A student cannot have credit for both this course and HON 162. Students who have passed MUS 381 may not take this course for credit.

MUS106 - Cinemagic: Exploring Film Music(3)

In this course, students will survey the evolution of musical practices in film from the early twentieth century to the present. Students will learn to distinguish the major eras of film history and associated composers and musical styles. The course will develop critical listening, critical viewing, and analytical skills in relation to the function of music in film.

MUS107 - Broadway: Exploring American Musical Theatre(3)

An in-depth exploration of the development of American musical theatre through stylistic elements found in the standard repertoire. Representative works by individual and collaborative composers and librettists will be studied with special emphasis on innovative trends, perspectives, and genres.

MUS108 - Journeys of Sound: Introduction to World Music(3)

An introduction to selected musical styles outside the Western art music tradition and within cultural, social and/or political contexts. Students will acquire a basic knowledge about specific musical traditions from around the world, and how they shape and give shape to the cultural settings in which they are performed. The course aims to explore music as a form of human expression and as a meaningful aspect of daily life.

MUS120 - Beginning Guitar (1)

Instruction for those with limited or no musical background. Note reading, strumming, and theory fundamentals are stressed. Credit will be given for as many semesters as taken.

MUS121 - Intermediate Guitar (1)

Student must be able to read music and have had previous class or private instruction. Credit will be given for as many semesters as taken.

Prerequisites MUS 120

MUS230 - Introduction to the Music Industry(3)

A survey of the various aspects of the music industry with emphasis on professional careers in the field.

MUS232 - Survey of Record Company Operations(3)

Course will build on the core industry knowledge of MUS 230, with an in-depth view of record companies and the recording industry.

Prerequisites MUS 230

MUS243 - Making Music with Your Laptop (2)

In this course students will compose and improvise music on their laptop, creating ideas as an individual and in small groups.

MUS255 - Introduction to Music Therapy(3)

An introduction to the theory and practice of music therapy. The course includes an overview of several different approaches to music therapy with various clinical populations. Aspects of the dynamics between therapist, client, and music will be explored and experienced. Field experience required.

MUS256 - Psychology of Music(3)

Course focuses on the role of music in human life, issues and research findings regarding what makes music, and how human beings perceive and respond to musical sounds. Critical thinking and reflection on topics such as music preferences, musical performance, and listening to music are meant to encourage the student to identify the relationship between music and human behavior. This course is suitable for students who are curious about the influence of music on people. It is open to all students with or without musical training.

N Courses

NLS100T - Transitions (1)

Course designed to assist students in their transition to Murray State University. Content includes orientation to the specific areas, majors, and minors within academic programs. Other topics may include university procedures, policies, resources, strategies for success and extracurricular activities. Only one transition course will count toward graduation. Graded pass/fail.

NLS207 - Perspectives on Inclusion and Belonging in a Global Society(3)

The purpose of this course is to explore the meaning and impact of diversity for individuals and organizations in society. An overview of issues relating to diversity such as identity, difference, prejudice, privilege, and bias will be studied as they relate to patterns of discrimination based on certain criteria, such as race, color, religion or creed, national origin or ancestry, gender, age, physical or mental disability, genetic information, citizenship, sexual orientation, etc. Students will explore successful strategies and methods for achieving inclusive workplaces and interactions in society.

NLS300 - Introduction to Nonprofit Management(3)

Course introduces students to nonprofit management from the perspective of the various stakeholders of nonprofit organizations. The course helps students to develop management and problem-solving skills, and to become better-informed board members, volunteers, and donors if they do not intend to pursue a career in the nonprofit sector. It analyzes the roles and functions of nonprofit organizations, as well as

key questions in the research, theory, and practice of leading and managing nonprofit organizations and philanthropic institutions.

NTN100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

NTN200 - Introduction to the Profession (1)

Introduction to nutrition and dietetics including academic and professional preparation. Scope of practice, code of ethics, licensure, and credentialing will be explored. Employment opportunities for nutrition and dietetics professionals will be examined.

NTN220 - Food Safety and Sanitation (2)

This course will focus on foodservice sanitation and safety principles in foodservice and lodging operations. Topics include issues impacting consumers and operators, application of Hazard Analysis Critical Control Point (HACCP) and preparation for the national foodservice sanitation certification examination. Characteristics of food, supplies, and equipment as related to quality, sanitation, and safety will also be addressed.

NTN230 - Introductory Nutrition(3)

This course will provide students with the tools necessary to understand nutrition-related health matters, enabling students to develop lifestyle behaviors that will improve overall health. Students will learn basic information with regard to macronutrients and micronutrients, the relationship between diet and disease, how to navigate both a food label and a grocery store, and how to decipher information presented in popular and social media. Students will also learn how to individualize these nutrient needs based on weight and other appropriate measurements.

NTN231 - Principles of Food Science and Preparation (4)

Emphasis on understanding and applying the basic physical and chemical properties of foods. Development of skills in recipe interpretation, cooking methods, food safety, and sanitation. Lecture, two hours; laboratory, three hours.

NTN303 - Research Concepts in Food and Nutrition(3)

Introduction to quantitative and qualitative research in foods and nutrition focusing on methods for collecting and analyzing data as well as critiques of research reports and the development of research proposals.

Prerequisites NTN 230

NTN333 - Nutrition Throughout the Life Cycle(3)

Course examines the nutrient needs of individuals at various stages of the life cycle, including preconception, pregnancy, infancy, childhood, adolescence, and adulthood. Conditions and diseases commonly seen during the various life cycle states also explored.

Prerequisites NTN 230

NTN350 - Nutrition Counseling and Education(3)

Course is intended for students preparing to work in a health-related field. Students will gain competency to effectively translate nutrition science into plain language for patients and clients interested in improving their health. Emphasis will be placed on application of counseling and learning theories that pertain to individuals and groups in clinical and community settings. Students will engage in simulated interviewing and counseling sessions.

Prerequisites NTN 230

O Courses

OSH100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Meetings with advisors, department personnel, service areas, and campus field trips comprise the main involvement. Availability of university resources is stressed with emphasis on personal needs. Graded pass/fail.

OSH101 - Emergency Medical Training (6)

Designed to cover the overall role and responsibilities of the emergency medical technician - basic in performing both the emergency care and operational aspects of his/her job. Also covers diagnosis and all emergency treatment procedures short of those rendered by physicians. Successful completion of all required coursework and examinations will qualify the student to apply for state and national registry certification.

OSH192 - Introduction to Occupational Safety and Health(3)

Students will be introduced to OSHA standards in the 29 CFR 1910 for General Industry. Students will also be introduced to safety management principles and will apply hazard identification and injury prevention techniques.

OSH201 - Advanced Emergency Medical Technician Training (9)

Course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course introduces the theory and application of concepts related to the profession of the AEMT. Prepares students to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. Advanced Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system. Successful completion of the program allows the successful AEMT course participant to take the National Registry of Emergency Medical Technicians AEMT certification examination and apply for state licensure as an AEMT.

OSH310 - Fire and Emergency Preparedness Preplanning(3)

Analysis of the historical perspective of fire science and examination of the various fields of study that make up the fire science curriculum. Fire control through building construction, occupancy, occupancy hazard control, life-saving tactics and knowledge. Control of flammable gases, solids, liquids, dusts, chemicals and explosives. In addition, the course is designed to develop an awareness and comprehension of the disasters known to modern man, including a detailed description of their characteristics and physical destructive potential, and to develop student awareness of all agency, public and individual responsibilities prior to, during and after the occurrence of any type of disaster.

Prerequisites OSH 192

OSH320 - Environmental and Occupational Health Engineering Technology(3)

An environmental overview course that examines scientific causes and engineering solutions to water and air pollution problems. Focus is on adverse effects, generation sources, scientific principles, and EPA engineering control strategies. Solid and hazardous waste disposal methods are also covered.

OSH353 - Prevention of Musculoskeletal Disorders in the Workplace(3)

A course examining the occurrence and prevention of musculoskeletal disorders (MSDs) in the workplace. Emphasis is on recognizing and identifying MSD signs and symptoms, contributing risk factors, control methods, training and prevention program development and implementation, and management issues.

P Courses

PCH100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

PCH195 - First Aid and Safety (1-2)

The purpose of this course is to give the student knowledge of the practice of first aid including the performance of cardiopulmonary resuscitation. Emergency Cardiac Care and First Aid certifications may be earned. (Same as HPE 195.)

PCH201 - Introduction to Public and Community Health (3)

Course is designed to address aspects of public and community health, survey career opportunities for health professionals, and explore the public, community, and health care delivery systems. Legal, ethical, and philosophical foundations of public and community health will be explored. Topics include health through the lifespan, promoting public and community health, environmental health, and health resources and services.

PCH260 - Ethics of Healthcare Decision Making (3)

ngCourse will provide an introduction to basic ethical theory and various approaches to clinical ethical decision-making. This course will cover topics such as truth-telling, informed consent, disability and bioethics, conscientious objection, right-to-die, and responsible conduct of research. Clinical problems related to the practice of health professions will be examined contextually, with attention to institutional, cultural, discursive, and moral issues that undergird controversies in clinical ethics. The course aims to consider the defense of general views on the moral values involved in bioethics, as well as the complicated issues of applying this general knowledge to particular situations.

PCH330 - Death and Dying: Issues for Caregivers(3)

This course addresses concepts of cultural, social, and biological aspects for caregivers as they interact with persons in the final stages of life. Methods of assessment, attitudinal change, and skill development that enhance successful communication with families and patients will be included. Field trips will be required.

Prerequisites PCH 191 or 350

PHE101 - Introduction to Sport, Recreation, and Leisure Services(3)

An overview of the history, philosophy, aims, and objectives of the sport, recreation and leisure profession.

PHE102 - Camp Leadership and Campcraft(3)

Course for students interested in organized camp counseling and related leadership activities. Content will include a combination of theory and practice with emphasis on successful counseling skills, techniques, and camp activities. One-third of the course will be focused on campcraft and nature-oriented activities. The course will include a weekend field experience involving leadership of children in camp activities.

PHE129 - Basic Canoeing (1)

An introduction to tandem flat-water canoeing, including, but not limited to, equipment, paddle strokes and techniques, communication, environmental concerns and safety.

PHE161 - Outdoor Cooking and Menu Planning (1)

An introduction to basic outdoor cooking. The course will cover basic equipment, food preparation techniques, nutrition, and menu planning.

PHE162 - Backpacking and Outdoor Living (1)

An introduction to planning and enjoying backpacking and camping experiences. The course will provide information on gear selection, care and maintenance. In addition, the students will gain an understanding of the planning process involved in backcountry travel and the importance of Leave No Trace Principles.

PHE205 - Lifetime Activities(3)

At least four of the following sports will be taught: fitness, golf, tennis, bowling, badminton, archery and outdoor leisure activities.

Prerequisites Permission of program coordinator

PHE206 - Team Sports(3)

To provide the prospective physical education teacher with information and skill related to at least four team sports.

PHE285 - Football and Basketball Officiating (2)

Football and basketball rules and theories of officiating.

PHE289 - Officiating Soccer (1)

This course is intended to prepare students for a role as a certified soccer official. Certification is optional. The student will learn the laws of the game of soccer through a United States Soccer Federation certified instructor. The format of the class will be lecture and class participation. Each class will last four hours for four nights, one night per week.

PHE301 - Outdoor Adventure Activities(3)

An introduction to basic skills and concepts in a variety of outdoor adventure activities. Proficiency will be developed in hard skills (knots, belaying, paddle strokes, etc.) for various outdoor adventure activities including, but not limited to, rock climbing, backpacking, canoeing, kayaking, and caving. The course covers group dynamics, effective leadership, communication, and decision making in the backcountry. Weekend experiences required.

PHE302 - Special Event Management(3)

An overview of special event management with a focus on best practices for effective planning, implementation, and evaluation. Includes organizing and delivering a special event.

PHE303 - Introduction to Sport Officiating (2)

Designed to share effective communication techniques that one can use when officiating. This course will provide an overview of the techniques and skills needed to officiate sport contests. Additionally, information relating to areas such as structure of officiating and the official's duties will be discussed. Practicum hours are required.

PHE306 - Rhythmic Movement(3)

The course is designed to provide the prospective physical education teacher with the skills necessary to teach rhythmic movement at the elementary and secondary school level.

PHE310 - Fundamentals of Athletic Coaching (2)

This course is designed to introduce prospective athletic coaches and physical education teachers to the theory and applied practice of athletic coaching.

PHE312 - Coaching Football I (2)

Course will present the technique and strategy in the various styles of offense and defense. Laboratory experience will be provided.

PHE314 - Coaching Basketball I (2)

The various systems of defense and offense in basketball will be discussed and demonstrated. Laboratory experience will be provided.

PHE316 - Coaching Baseball I (2)

The strategy and fundamentals of baseball will be discussed and demonstrated. Laboratory experience will be provided.

PHE318 - Coaching Track and Field I (2)

The basic fundamentals of track and field will be presented and demonstrated. Laboratory experience will be provided.

PHE319 - Coaching Soccer (2)

This course is designed to introduce basic soccer coaching techniques. During the class students will learn various soccer practice drills, conditioning, and ball handling techniques through actual practice and lecture material. Students will have the opportunity to compare and contrast various styles of soccer, e.g. European, South American and American styles. This class will be taught once a week for two hours.

PHI100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

PHI103 - Critical Thinking(3)

Course provides an introduction to reasoning in everyday life. It focuses on recognizing and evaluating arguments in advertising, news, politics, and ordinary conversation. Students will learn how to recognize and avoid informal fallacies and other common errors in reasoning, including use of statistics and misuse of data or incomplete information.

PHI142 - Philosophy-The Big Questions(3)

Course will investigate the ways in which philosophers have examined the big questions such as the following: What is a good life? Are there universal truths? Are values absolute or relative? Why am I here? Does life have a purpose? Why do we suffer? Does God exist? What are my responsibilities to others? Who am I? What is consciousness?

PHI184 - Logic, Language, and Truth(3)

An introductory course in truth-functional and predicate logic, philosophy of language, and theories of truth. Students will be introduced to the concepts and methods made use of in formal reasoning, with emphasis on deduction and rules of inference. Students will also be introduced to theories of meaning and of truth. Logic games are included.

PHI201 - Introduction to Philosophy(3)

An introduction to fundamental questions in philosophy about self-knowledge, moral decision-making, knowledge about the world and others, the limits of knowing, and the perennial search for meaning. Emphasis will be given to the evaluation of arguments, philosophical inquiry, and reflection on the nature of human existence.

PHI202 - Ethics(3)

Introduction to classic and contemporary problems of personal and social morality and to the systems and methods proposed by philosophers, past and present, in response to questions of good and evil. PHI 202 will not fulfill the requirements of HON 212.

PHI203 - Symbolic Logic(3)

A systematic study of the fundamentals of logic, focusing on the concepts and methods of contemporary logics systems, which will include learning proofs of reasoning using mechanical decision procedures such as truth tables and truth trees.

PHI212 - Contemporary Ethical Problems(3)

An intermediate survey of contemporary ethical problems such as distributive justice, sexual morality, free speech, euthanasia, abortion, capital punishment, pornography, animal rights, and environmental issues. These issues will be philosophically examined using general ethical theories.

PHI215 - Ethical Issues in a Cybersociety (3)

This course will examine ethical issues in the design and use of technology, especially computers and the internet. Some of these ethical issues include free expression and the internet, bias in computational systems, machine learning, artificial intelligence, minority representation in computational systems, and human augmentation. Students will survey a number of different philosophical traditions, including utilitarianism, deontology, virtue ethics, theories of justice, and ethics of care. These traditions will be used to examine case studies of ethical dilemmas in technology.

PHI221 - Philosophy of Religion (3)

A study of the basic philosophical issues in the consideration of religion from a global perspective, such as the nature of religion, the basis for religious beliefs and practices, the cogency of talk about God and other sacred realities, the significance of religious and spiritual experiences, and the meaning of evil. (Same as RGS 221.)

PHI250 - Philosophy of Law (3)

Course examines the nature of law and its relationship to justice and morality. Possible topics include the ontology of human dignity; the relationship between law, democracy,

and human rights; the nature of law and legal reasoning; natural law theory and legal positivism; retributive justice versus rehabilitation; and law and changes in technology.

PHI255 - Philosophy of Race (3)

This course explores the nature of race and its intersection with other areas of philosophy: ontology, epistemology, ethics, and political philosophy. Possible topics include the ontology of race, race and epistemic justice, race and disability, race and religion, womanist philosophy, race and the State, race and gender, and racial virtues.

PHI260 - Death (3)

Course explores the nature and implications of human mortality. Ethical, metaphysical, and epistemological questions regarding death will be addressed. Possible topics include whether posthumous events should contribute to the assessment of a person's quality of life, whether we have moral obligations to those who have died, whether death is an evil, and whether any religious beliefs concerning a posthumous existence are cogent and/or appealing.

PHY100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one freshman orientation course will count toward graduation. Graded pass/fail. (Same as EGR 100T.)

PHY103 - Physics of Sports (4)

Fundamental principles involved in sports. This course considers the physical mechanisms that are involved in a variety of sports. This physics course is intended for non-physics major with a general interest in athletics and recreation. The lab provides students with tools and principles to analyze and measure the mechanics of motion and sports. Three hours of lecture and two hours in lab per week.

PHY105 - The Science of Sound (4)

Fundamental principles of acoustics and wave motion. This course considers the generation, transmission and perception of sound and vibration with an emphasis on musical acoustics. The course provides an examination of the physics of vibration and wave motion. It is intended for non-physics majors with an interest in science, music, education, speech, hearing, and acoustical or recording engineering. The lab provides student experience with the tools and principles used in the analysis, production and perception of sound. Three hours of lecture and two hours of lab per week.

PHY150 - Light and Lasers in Action (4)

A laboratory course in general physics intended for non-physics majors with an interest in scientific, medical, engineering or education-related fields. This course will use the visual appeal of light and lasers as vehicles for the introduction of fundamental physical principles including energy, waves and fields. It will rely heavily on demonstrations of optical effects with student participation and interaction. Practical applications of the use of light and lasers in cultural and technical aspects of society will be demonstrated and discussed.

POL100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Required from all entering freshmen and transfer students with less than 12 hours of earned credit prior to their first semester at Murray State University. Graded pass/fail.

POL140 - American National Government (3)

The American political system, its constitution, institutions and processes.

POL240 - State and Local Politics (3)

Study of the three branches of state government coupled with an examination of the politics, organizations and functions of counties, townships and special districts.

POL250 - Introduction International Relations (3)

The nature of international society and the forces affecting the behavior of states in their relations with one another. POL 250 will not fulfill the requirements of HON 270.

POL252 - Introduction to Comparative Politics (3)

This course provides the student with comparative and evaluative concepts and approaches necessary to developing an intelligent understanding and appreciation of the world's diverse political systems. POL 252 will not fulfill the requirements of HON 272.

POL261 - Introduction to Political Theory (3)

Introduction to the concepts, enduring questions, and significant thinkers associated with political philosophy. Specific attention will be given to differing conceptions of human nature, politics, the state, civic obligations and rights, freedom, justice, and democracy.

PSY100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

PSY180 - General Psychology (3)

A basic course introducing the student to psychology as a science that can be applied to practical problems and everyday issues by learning the methods, concepts, and terminology of the discipline. Note: This course is a prerequisite to all other courses in psychology.

PSY199 - Developing Psychological Skills (1)

An applied course for students interested in enhancing their psychological skills. This course is recommended for persons in performance fields (e.g., psychology, physical education, social work, nursing, performing arts, business, etc.) who wish to improve their mental skills such as emotional and attentional control. Letter-graded course.

PSY221 - Psychology of Human Sexuality (3)

A presentation of the psychological aspects of human sexuality as well as an exploration of contemporary psychological research and theory in the field. Topics are addressed from various perspectives (behavioral, social, cultural and biological) and include homosexuality, pornography, sexually transmitted disease, early sexual learning, adult sexual lifestyles and sexual dysfunction and treatment.

Prerequisites PSY 180

PSY222 - Sport Psychology (3)

This course is a survey of theory and research regarding the psychological aspects of sport and physical activity. Topics addressed include history of sport psychology, research methods and testing, learning, personality, attention, arousal, intervention, motivation, attribution, aggression, leadership, group dynamics, and audience effects as they relate to athletes, coaches and officials.

Prerequisites PSY 180

PSY223 - Psychology of Sport Fans (3)

This course will be a survey of theory and research regarding the psychological and sociological significance of sport fandom and spectating. Topics addressed will include the prevalence of sport fandom, factors affecting involvement in sport as a fan and spectator, spectator aggression, the psychological impact of spectating, and the societal impact of spectating.

Prerequisites PSY 180

PSY228 - Close Relationships (3)

A survey of the psychological constructs involved in close relationships using both classic and modern research. Students will examine the elements, processes, and phases of both intimate and non-intimate relationships.

Prerequisites PSY 180

PSY229 - Psychology of Social Influence (3)

A survey of the psychological constructs, historical and modern research, and applications associated with social influence. Topics include the power of relationships, persuasion, attitude, marketing, and the formation and maintenance of cult behaviors. Students will learn to apply influence techniques and strategies used in both social venues and advertising/marketing.

Prerequisites PSY 180

PSY245 - Law and Psychology (3)

An overview of the area of forensic psychology. Topics covered include aspects of criminal behavior, the insanity defense, competency, commitment of the mentally ill, and professional issues.

Prerequisites PSY 180

PSY260 - Lifespan Development (3)

A survey course of theory and research examining the changes and consistencies associated with human development from conception to death. Infancy, childhood, adolescence, and early, middle, and late adulthood will be examined.

Prerequisites PSY 180

PSY261 - Child Psychology (3)

A study of the biological, social, affective and cognitive aspects of the development of children from conception to adolescence. The implications of this development for present and future behaviors are presented. The research, principles, concepts and theories of child psychology are emphasized.

Prerequisites PSY 180

PSY262 - Adolescent Psychology (3)

A study of the biological, social, affective and cognitive aspects of the development of adolescents from puberty to young adulthood. The relationship of these developmental aspects to the individual's past, present and future behaviors are stressed. The research, theories, concepts and principles pertaining to adolescent psychology are presented.

Prerequisites PSY 180

PSY264 - Psychology of Aging (3)

The study of the biological, cognitive, affective and social aspects of the aging process. The normal and pathological conditions of aging are emphasized. The interaction of the aged and society is also considered. (Same as GTY 264.)

Prerequisites PSY 180

PSY265 - Psychology of Death (3)

A study of the place of death in the process of human development. Two viewpoints will be stressed: death of self and death of others. Emphasis will be given to the cultural, social, biological and affective aspects related to the final stage of life. Customs, medical practices, financial concerns, legal matters and scientific issues will be considered. (Same as GTY 265.)

Prerequisites PSY 180

PSY303 - Social Psychology (3)

A survey of current theory and research regarding social behavior. Topics addressed include person perception, self-perception, attitude change, influence, pro-social behavior, transgressive behavior and group phenomena.

Prerequisites PSY 180

PSY307 - Abnormal Psychology (3)

Introduction to the definition, classification, causes and treatment of abnormal behavior. Research methodologies and findings receive emphasis equal to that of "clinical" or applied considerations.

Prerequisites PSY 180

PSY310 - Health Psychology (3)

An exploration of theories, research, and interventions that emphasize interactions among biological, psychological, and social influences on physical health and health behavior. Topics include theories of health behavior, stress, coping, and psychology's role in medicine.

Prerequisites PSY 180

PSY321 - Sensation and Perception (3)

A study of the sensory systems, psychophysical methods, and principles of perception that contribute to conscious experience.

Prerequisites PSY 180

PSY322 - Motivation and Emotion (3)

Presentation of basic concepts of motivation and emotion.

Prerequisites PSY 180

PSY327 - Problem-Solving and Decision-Making (3)

An introduction to behavioral decision making theory, research. Topics include the roles of memory and knowledge organization in critical thinking, logic and reasoning in problem-solving, decision-making under uncertainty, heuristics and biases, and multidisciplinary applications.

Prerequisites PSY 180

R Courses

REC108 - Golf (1)

N/A

REC112 - Open Water Scuba Diving I (2)

N/A

REC113 - Yoga for Wellness (1)

Introductory level class teaching the basics of Hatha Yoga and how incorporating the practice of yoga with other healthy lifestyle choices can enhance wellness. Class will meet twice weekly for one hour. Graded pass/fail.

REC118 - Tai Chi Chuan (2)

N/A

REC130 - Foundations of Chess (1)

Introductory level class teaching the basic rules and strategies of chess, with discussion of the history of chess and its place in popular culture.

REC134 - Weight Training (1)

This course is designed to introduce students to the fundamental principles of weight training theory and practice, weight training terminology, the safe use of equipment and proper lifting techniques, warm-up and cool-down protocol, and knowledge of major muscles involved. Individualized weight training program goals will be developed and assessed. Course is repeatable for a maximum of three credits.

RES132 - Real Estate Principles I (3)

A study of the basic essentials involving real estate transaction, terms, law, financing, and the general operation of the numerous specialties of the real estate business. License law requirements and professional ethics are considered.

RES134 - Real Estate Marketing I (3)

An introduction to real estate market analysis and marketing techniques. Emphasizes the study of basic essentials of listing, prospecting, qualifying clients, showing of real estate, advertising and the organization of time.

RES136 - Real Estate Appraising (3)

Analyzes the basic principles of property use and value, and the locational factors affecting valuation. Treats the theory and practice of real estate appraisal, introduces the cost, market and income approaches, the appraisal process and the techniques of area and site analysis. Report writing and the appraisal report are covered as is the scope of real estate appraising and the ethics of the professional appraiser.

Prerequisites RES 132

RES226 - Real Estate Finance (3)

The study of the money and capital markets and institutions as they influence real estate finance, mortgage banking, government activity in the financing of real estate, interest rate changes and their influence, and the major real estate financing instruments.

Prerequisites RES 132

RES242 - Real Estate Law (3)

Comprehensive survey of the law of realty as it effects the real estate professional. A study which involves historical and recent developments in legislation and court precedent affecting real estate, with emphases in license law, real estate commission rules and regulations and professional ethics. (Same as LST 242.)

Prerequisites RES 132

RES246 - Advanced Appraising (3)

A continuation of RES 136, Real Estate Appraising.

Prerequisites RES 136

RES338 - Real Estate Brokerage Management (3)

A compilation of the planning, procedures and techniques needed to establish a successful real estate brokerage management system. This course is intended to meet brokers' licensing requirements pursuant to the Kentucky Real Estate Commission and Kentucky Administrative Regulations 201 KAR 11:450.

RES342 - Real Estate Law II (3)

This course is a comprehensive survey of the law of realty as it affects the real estate professional. A study which involves historical and recent developments in legislation and court precedent affecting real estate, which emphasis in license law, real estate commission rules and regulations and professional ethics.

Prerequisites RES 242

RGS100 - Comparative Mythology (3)

Introductory survey of approaches to the study of mythology, of common themes in mythology, and the analysis and exegesis of mythological texts from multiple regions, societies, religious groups, and time periods. Possible topics include the place of mythology in religion and the interaction between mythology and literature, art, and culture.

RGS209 - World Religions (3)

A study of the diverse histories, beliefs, and practices of the world's major religious traditions, including Judaism, Christianity, Islam, Hinduism and Buddhism. Emphasis will be placed upon developing cultural awareness of the uniqueness of these traditions and the people who adhere to them as participants in a global society. (Same as HIS 209.)

RGS221 - Philosophy of Religion (3)

A study of the basic philosophical issues in the consideration of religion from a global perspective, such as the nature of religion, the basis for religious beliefs and practices, the cogency of talk about God and other sacred realities, the significance of religious and spiritual experiences, and the meaning of evil. (Same as PHI 221.)

RGS300 - Foundations of Judaism and Christianity (3)

Introduction to the development of distinctive traits and traditions of Judaism and Christianity; cultures, beliefs, practices, institutions, and experience from biblical times to the present.

RGS301 - Western Religious Thought in the Modern World (3)

Response of Western religious thinkers to major challenges to traditional religious faith posed by the emergence of modern intellectual, social, political norms. This course may be repeated, subject to approval of religious studies coordinator.

RGS305 - Studying Religion (3)

An investigation of the major theoretical and methodological approaches to the academic study of religion, with special attention paid to the way scholars analyze and explain religion. This course also looks at major issues, topics, and concepts addressed in religious studies scholarship.

S Courses

SOC100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Graded pass/fail.

SOC133 - Introduction to Sociology (3)

This course will introduce students to sociology and the sociological perspective by focusing upon contemporary societies. Through a study of key concepts such as culture, society, group behavior, population, family, stratification, community, social institutions and change, students will be given the tools by which to understand better their society and others around the world. SOC 133 will not fulfill the requirements of HON 133.

SOC231 - Social Problems (3)

This course is intended to provide the student with a conceptual framework within which to examine social problems. The class will examine the links between technological development, population growth, environmental degradation, social change and disorganization, social inequality, deviance and crime.

SOC250 - Global Sociology (3)

This course will provide students with a better appreciation of the value of the sociological perspective in understanding different societies and cultures. The course will focus on demographic factors shaping societies, values and norms, social inequality, and agents of social changes such as globalization.

SOC269 - Popular Culture (3)

Course examines the production, effects, and meaning of popular television, movies, music, art, sports, and other cultural goods using sociological theory. Questions of how popular culture influences our perceptions of race, class, and gender are critically analyzed.

SOC300 - Social Theory (3)

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) such theorists as Weber, Marx, Durkheim, and Spencer.

SOC305 - Social Issues (3)

This seminar will cover an important topic or related topics. Both student and faculty interest will determine the topic. Students will both contribute and lead discussions of the readings. Research paper is required. May be repeated for a maximum of nine credit hours.

SOC325 - Sociology of Food (3)

This course will highlight the social and cultural dimensions of the human food system, from production to consumption. Topics include an examination of food production over time, analysis of food's role in religious observances, food taboos, food and social stratification, gender roles, food and body images.

SOC331 - The Family (3)

This course will examine the contemporary family system in America. To gain an understanding, an historical perspective on the family will be provided along with some cross-cultural data on other family systems. Contemporary research findings will be presented on such topics as subcultural variations, gender roles, power, romantic love and mate selection, marriage and divorce, and alternative family structures.

SOC332 - Sociology of Childhood (3)

Course places children at the center of inquiry, while recognizing that the meaning of childhood changes over time and place, and between social contexts and social groups. It examines how children are not just socialized by adults, but also shape their own (and adult) experiences. It will also examine various social problems as they relate to children and youth.

SOC333 - Sociology of Education (3)

This course examines educational institutions, practices, and social issues. It examines the ways in which schools are embedded within historical, political, economic, and cultural contexts; the complexity of relationships with families/communities that they serve; and the role that education plays in stratification, social mobility, and social reproduction.

SOC334 - Sociology of Migration (3)

Course uses a critical theoretical framework to examine migration, immigration, and emigration. Topics include: diverse factors and processes that influence crossing borders, immigration policies and rights, impact of migration on place of origin and destination, and mobility. Students also consider the impact of migration on transnational networks; intersections of race, class, gender, and sexuality with migration; and transcultural identities.

SOC335 - Sociology of Organizations (3)

Theories of formal and informal organizations, bureaucratic systems, alternative systems, and organizational change. Special emphasis will be placed on the relationship between the organization and its environment as well as potential solutions to organizational challenges.

SOC336 - Society and Individual (3)

Course provides an examination of the sociological perspective on the relationship between the individual and social institutions. In particular, the course focuses on collective influences on the person, and the role the person plays in sustaining collective conditions. Topics for study include aggression, altruism, attitude formation, conformity, intimacy and self-esteem. Recent research findings will be emphasized.

SPA105 - Introduction to Hispanic Culture (3)

A survey of the contemporary culture of Spain and Spanish America with emphasis on values, behavioral characteristics, and social and political structures and achievements. Conducted in English.

SWK100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introductory seminar for all first-semester social work majors. Graded pass/fail.

SWK102 - Introduction to the Human Services (3)

The course is designed to provide an overview of the human services field and to present similarities and differences between majors that prepare graduates for human services. Topics include education for the field, licensing requirements and practice settings. The course will help students explore social work and related fields in order to make the best choice of major. Open to all students who have not completed a social work course above the 200-level. This course will not take the place of SWK 190 for social work majors.

SWK103 - Life Skills Education (3)

This course is designed to teach social work students and students in related fields life skills that will both assist them in their own lives and that they can utilize while working with clients. Topics covered include self-exploration; critical and creative thinking; living independently; managing time, money, and relationships; and emotional regulation.

SWK120 - Building Foundations for Successful Parenting (1)

Course designed to give students an understanding of the skills necessary for a successful experience in the area of foster care and adoption services. The course includes content on Kentucky's standards of practice as well as federal legislation with regard to the safety, well-being and permanency of children in and out of home care; strengths and needs; grieving; the cycle of need; and, partnership efforts necessary between birth parents, foster parents, adoptive parents, social workers, therapists and others involved in the support and care of a child. Graded pass/fail.

SWK121 - Child Sexual Abuse Issues for Foster and Adoptive Parents (2)

Course designed to give students an understanding of the specialized insights and skills necessary for working with children and birth families where there has been sexual abuse. Graded pass/fail.

Prerequisites SWK 120

SWK201 - Social Work and Social Welfare (3)

An introduction to the institution of social welfare and the profession of social work; includes the historical development of conflicting social philosophies and modern social welfare programs, as well as the historical development of the profession of social work.

SWK206 - Substance Abuse Prevention for Communities and Schools (3)

This course is designed to provide entry-level knowledge about substance abuse and methods of prevention, including community education in churches, community agencies, schools, sports programs, and county and city government. An explanation of the various kinds of treatment and community programs is included.

SWK218 - Financial Literacy for Social Workers (3)

This class will present the knowledge and skills to prospective social workers so that they are able to assist clients with basic financial skills and will also provide social workers with the ability to assess client financial skills. Many client issues are rooted in client lack of financial literacy, including child neglect and abuse, domestic violence and some mental health problems. The ability of the social worker to address this issue with the client is critical in professional BSW level practice.

SWK220 - Health Care in Generalist Social Work Practice (3)

Social workers often must assist clients and their families with health care issues in the context of generalist social work practice. This course is designed to provide basic knowledge and skills for generalist social work practice with clients and families who have health care related issues.

SWK225 - Human Diversity (3)

This course is designed to give students an understanding of the concept of human diversity. It includes content on race, ethnicity, culture, class, gender, sexual orientation, religion, physical and mental ability, age and national origin.

Pre/Co-requisites ANT 140 or SOC 133

SWK230 - Social Work in a Multicultural Society (3)

Course focuses on racial and ethnic minorities such as the African American and Hispanic experience in the United States viewed specifically through the lens of the Kentucky experience. Oppression, economic and social class, education and family life will be emphasized, as will societal barriers to success. This course is designed to help students be successful in an increasingly diverse society.

SWK275 - Environmental Issues in Social Work Practice (3)

The course focuses on the natural world and its impact on social work clients at the micro, mezzo and macro levels and on the ethical issues implicit in environmental justice. Because of social work's dual focus on the person and on the environment, social workers are in a unique position to mediate human experiences in the natural world. Because the profession is focused on justice and because societal transgressions against economic justice often impact individuals negatively, a focus on environmental justice is a natural extension of social work practice.

T Courses

THD100T - Transitions (1)

Course is designed to assist students in their transition to Murray State University. Content includes orientation to the specific area or major(s) and minor(s) within the academic program; university procedures, policies, and resources; strategies for personal and academic success, and extracurricular opportunities. Only one transitions course will count toward graduation. Introduction to policies and guidelines for the department. Transfer students to the theatre program are encouraged to participate. Graded pass/fail.

THD101 - Dance Appreciation (3)

Orientation to dance as an art form: historical and aesthetic perspectives, basic dance elements, and the relationship to other arts and to the culture. Lectures, films, demonstrations and practical dance experience.

THD103 - Theatre Foundations (1)

Preparation in audition techniques, resume, and portfolio presentation.

THD104 - The Theatrical Experience (3)

Critical analysis of the theatre as an art form. Emphasis is on the play in production, not the play as literature. A student cannot have credit for both this course and HON 163.

THD105 - Introduction to Acting (3)

The fundamentals of the craft of acting for the beginning/amateur adult actor will be taught. The course highlights introductory techniques to make a non-theatre major's performance more natural and spontaneous. Students will be required to see the productions presented by the Department of Theatre during the semester they are enrolled in the course. This course will not fulfill any requirements for a theatre major, but can be used in both theatre and musical theatre minors.

THD110 - Movement for the Actor (3)

Introduction to basic physical skills needed for acting: relaxation, flexibility, manipulation of the body at rest and in motion.

THD111 - Acting I (3)

An introduction to a Stanislavski-based approach to relaxation, concentration, script analysis, scoring techniques, and character development.

THD118 - World Theatre (3)

Introduction to the development, expansion, and adaptation of theatre around the world and how it has derived out of varying global religious, political, and social contexts globally. Understanding of the world's artistic elements, and cultural requirements that have made certain forms of theatre successful through the ages. Students will be required to attend MSU Department of Global Languages and Theatre Arts' main stage productions.

THD120 - Play Analysis (3)

Study and application of the basic concepts and skills needed to successfully comprehend and approach a play in production.

THD140 - Stagecraft (3)

Course will be an introduction to the basic techniques of scenic construction and backstage procedures. Practical work on productions is required outside of lecture.

THD142 - Costume Construction (3)

An introduction to the techniques employed in costume construction. The class focus is on building costumes and sewing projects.

THD151 - Mind, Body and Voice in Communication (3)

Organization and presentation of ideas through participation in frequent public speaking opportunities using experiential performance activities. Students present themselves as individuals and in group settings to communicate using voice (paralinguistics) body language (kinesics) and tools of rhetoric.

THD210 - Voice and Diction (3)

Introduction to an organic and healthful approach to relaxation, breath support, vocal projection, and clarity of diction. (Same as MUS 212)

THD220 - Creative Drama (3)

Theatre games, group expression, improvisation, and storytelling will be examined. Using drama to educate children will be the emphasis for the class.

THD221 - Performance Theory (3)

A study of acting, directing, and design theorists from ancient times to the contemporary era. This is a lecture/discussion course that is team-taught by faculty in the disciplines of acting, directing, and design. Students will be required to attend all productions offered by the department during the semester the course is taught.

Prerequisites THD 120

THD230 - Stage Management (3)

Examination of theoretical and practical aspects of working as a stage manager.

THD250 - Basic Theatre Design (3)

Fundamental techniques and theories of design for the stage in the areas of scenery, costuming, lighting, and sound will be introduced. This course is a lecture/discussion-based course. It will be team-taught by faculty in the theatre discipline of design. Students will be expected to attend all productions offered by the department each semester the course is taught and will respond to the productions in writing.

Prerequisites THD 120

THD251 - Computer Aided Drafting for the Stage (3)

Introduction to using Computer Aided Drafting (CAD) common in technical theatre and design. The class will learn the requirements of, and how to create ground plans, scenic elevations, technical drawings, light plots and three dimensional models. The class will also provide a unit on hand sketching using traditional media.

THD275 - Acting for Film, Television, and Commercials (3)

An introductory course focused specifically on acting for film, television, and commercials. The course is focused on auditioning and acting techniques for the camera, as well as standard terminology and jargon actors need to know when working in film, television, and commercials.

Prerequisites THD 111 and 120

THD310 - Acting II (3)

A continuation of a Stanislavski-based approach to acting including in-depth scene work in modern are introduced and utilized along with formal script analysis and scoring techniques as they relate to the actor-audience relationship.

Prerequisites THD 111

THD321 - Entertainment Makeup (3)

The principles of stage, TV, and Film makeup are explored through lecture, demonstration, and application. Must be clean-shaven to take this course.