

COURSE DESCRIPTIONS

Accounting

ACC211 Financial Accounting I (3 credits)

A beginning course in accounting. Course covers the accounting cycle and preparation of financial statements. Course emphasizes the application of accounting statements required to make informed decisions. General Accepted Accounting Principles and ethics are examined throughout the course as they relate to each area. The course will introduce the use of microcomputers in accounting, and selected problems will be solved by using the general ledger software.

Instructional Hours: 3

Prerequisite: ENG092c, MAT095c

ACC212 Financial Accounting II (3 credits)

A continuation of Financial Accounting I. Includes corporations, corporate owner's equity, bonds, investment, international operations, financial statement analysis and other topics. Course emphasizes accounting theory, the application of accounting principles, and the analysis of business decisions. Generally Accepted Accounting Principles and ethics are examined throughout the course as they relate to each area. The course will introduce the use of microcomputers, and selected accounting problems will be solved by using the general ledger package.

Instructional Hours: 3

Prerequisite: ACC211

ACC213 Managerial Accounting (3 credits)

The course will examine the accounting concepts used for internal decision making. Topics will include job order cost and process cost, budgeting, cost-behavior, differential analysis, and cost-volume-profit analysis.

Instructional Hours: 3

Prerequisite: ACC211

ACC290 Special Topics in Accounting (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: ACC211

ACC291 Special Topics in Accounting (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: ACC211

ACC292-299 Special Topics in Accounting (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: ACC211

Adventure Sports

ASI101 Introduction to Recreation, Parks and Adventure Sports (3 credits)

An overview of the recreation and adventure sports industries, including an analysis of the parks systems in various states and the nation.

Instructional Hours: 3

Prerequisite: ENG092c

ASI104 Adventure Sports Colloquium I (0.25 credits)

Students meet on the second Thursday of each month during the semester, from 11:50 AM until 1:10 PM to share information with speakers from the field of adventure sports. Typically, the speakers are small business owners within the field of adventure or work for agencies that offer adventure as a product. Students are presented with information from these speakers and have the opportunity to ask questions about the field. (CR/NC grade)

ASI105 Adventure Sports Colloquium II (0.25 credits)

A continuation of ASI 104. (CR/NC grade)

ASI109 Introduction to Therapeutic Recreation in the Adventure Setting (3 credits)

This course presents an overview of services, agencies, and programs designed to meet the developmental, psychological, recreational, and therapeutic needs of special populations. Adventure Sports majors must co-enroll in ASI 194, Adventure Programming for Special Populations.

Instructional Hours: 3

Prerequisite: ENG092

ASI110 Back Country Living Skills (3 credits)

A course designed to introduce students to the basic skills and practices necessary to successfully and safely exist in the backcountry setting. Topics include proper dress, nutrition, backcountry navigation, personal hygiene, and shelter systems employing leave no trace (LNT) and low impact techniques. (Intro)

Instructional Hours: 4

Prerequisite: None

ASI111 Beginning Orienteering (1 credit)

A course involved with the use of special maps (orienteering maps) and magnetic compass in an effort to traverse a preset course, usually in a forested area. Students will learn basic map and compass skills and develop good technique of the sport of orienteering. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI113 GPS Navigation in Adventure Sports (1 credit)

(Course description will be forthcoming.) (CR/NC grade)

ASI115 Wilderness Survival Skills (1 credit)

An introductory course teaching the theory and skills associated with surviving in wilderness locations. Course addresses survival preparation, survival first aid, water and food procurement, survival clothing and equipment, fire craft, emergency signals, individual and group survival shelters, nighttime survival, and nighttime direction finding. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI117 Cold Weather Outdoor Living Skills (1 credit)

A course dealing with the special problems and considerations of outdoor living skills in temperatures below 50 degrees Fahrenheit. Typically, the course is offered during the month of January and thus the temperatures could range well below 0 degrees Fahrenheit. Students learn how to dress, travel with equipment, prepare food, construct shelters, and maintain a healthy spirit in the adverse conditions of cold, wet environs. (CR/NC grade) (Intermediate)

Instructional Hours: 2

Prerequisite: ASI110 or Consent of Instructor

ASI120 Introduction to Traditional Rock Climbing (1 credit)

The purpose of this course is for the individual to learn the basic skills of top rope rock climbing. Included in this course will be: the responsibilities of the climber, relationship between the climber and belayer, belaying and rappelling procedures, nature and care of equipment, natural anchor building techniques, and use of cordelette. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: ASI110/PI

ASI121 Rock Craft 1 (1 credit)

This course is designed to introduce new and continuing climbing students to the details of multi-pitch climbing, as well as introducing gear placement, anchor building, and self-rescue techniques. (CR/NC grade)

Instructional Hours: 2

Prerequisite: ASI120c

ASI130 Introduction to Whitewater Kayaking (1 credit)

A course concerned with fundamental knowledge and skills needed to safely paddle a kayak in moving water through class II whitewater. Course contains information on and/or skill development in the areas of equipment, clothing, safety in and around moving water, paddling theory, strokes, maneuvers, rescue, group organization, reading and running rivers. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI131 Introduction to Whitewater Paddlesports (1 credit)

This course is designed to introduce individuals to the fundamentals of whitewater paddlesports. Participants will maneuver a variety of whitewater crafts, both individually and in groups, through class I - IV whitewater. Topics include: Individual and group responsibilities and safety, the nature and care of equipment, the relationship between paddlesports and the natural environment, trends and issues in paddlesports, and river dynamics.

Instructional Hours: 2

ASI133 Introduction to Whitewater Canoeing (1 credit)

An introductory course in the skill of paddling an open canoe in mild whitewater conditions (class III and less). Topics include: paddling strokes, the dynamics of moving water, equipment, and safety/rescue in moving water. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI136 Introduction to Rafting and River Guiding (1 credit)

An introductory course designed to instruct the fundamentals of the sport of whitewater paddle rafting. Students are presented information about rafting equipment, proper preparation for a river trip, paddling strokes, control of a raft, river dynamics, maneuvering in whitewater, reading the river, proper commands to give for safely descending and controlling a raft in rapids, river safety and rescue, and care for and minor repair of a raft. This course uses the American Canoe Association's whitewater rafting curriculum. Course meets requirements for the ACA paddle rafting curriculum. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI138 Introduction to Sea Kayaking (1 credit)

A course concerned with the development of knowledge and skills necessary to safely operate an ocean/sea kayak in calm water, surf, and open sea environments. Material covered includes an introduction to equipment and history of the sport, kayak strokes, considering environmental factors such as wind, waves, and surf, self rescue, assisted rescues, and navigation. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI140 Introduction to Cross Country Mountain Biking (1 credit)

A course designed to develop in students the necessary skills for cross country mountain bike riding. Students will be introduced to trail riding on woods roads and single track trails over moderate terrain in whatever weather prevails. Topics include: basic bike maintenance and repair, bike riding technique for downhill and climbing techniques, clothing, risk management, nutrition, and hydration. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: Consent of Instructor

ASI145 Mountain Bike Mechanics I (1 credit)

This course is designed to develop in students the skills and competencies needed to become a bike assembler/entry-level mechanic at a professionally managed bike shop. Emphasis will be given to knowledge and utilization of specific tools and timely assembly of a mountain bike. (CR/NC grade) (Intro)

Instructional Hours: 2

ASI150 Beginning Alpine Skiing (1 credit)

Students will acquire basic skiing techniques through instruction from Professional Ski Instructors of America (PSIA) teachers. Levels 1, 2, 3, and 4 will be presented to the students, thus taking them from walking on flat ground with skis, through skidding turns, and ending with wide track parallel skiing. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI154 Beginning Snowboarding (1 credit)

A course designed to introduce students to the methods of alpine snowboarding. Topics include equipment selection and basic snowboarding techniques. Students will descend green circle (beginner) and some blue square (intermediate) slopes at a local ski area. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI158 Cross Country Skiing (1 credit)

A beginning course in the basics of Nordic/cross country skiing. Topics include: proper dress for Nordic skiing, standing and moving on flat terrain, kick and glide techniques, snow plow stops, snow plow turns, step turns, kick turns, and basic downhill technique. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI159 Introduction to Telemark Skiing (1 credit)

A course designed to develop the technique necessary to safely and properly practice the sport of Back country or telemark skiing. Topics include free heel equipment, wedge turns, basic telemark turning, basic alpine turning, and some advanced telemark technique tips. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI160 Swift Water Rescue (1 credit)

A course in the methods of rescuing persons in swift water conditions. Students study the dynamics of moving water, natural and man made hazards, swimming the rapids to assist in a rescue, how to deal with strainers, use of throw rope, rope rescue techniques, and the use of a rescue vest. Special topics are added as appropriate by the instructor. (CR/NC grade) (Rescue)

Instructional Hours: 2

Prerequisite: None

ASI162 Fundamentals of Search and Rescue (NASAR Certification) (1 credit)

A course to instruct individuals in the methods of searching for lost persons. Topics include search and rescue (SAR) hierarchy, personal preparedness, rescue, search, and preventative search and rescue. Course is hands-on oriented and includes one overnight experience. SARTEC II certification offered. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI164 Advanced Level First Aid & CPR (3 credits)

An advanced level first aid and CPR course for individuals having professional responsibilities in the adventure industry. The certification awarded with this course depends upon the availability of instructional staff. Examples of certifications include the American Red Cross Emergency Response, the National Ski Patrol Outdoor Emergency Care, or a Wilderness First Responder course. In any case, a professional level CPR would be awarded.

Instructional Hours: 3

Prerequisite: None

ASI180 Introduction to New Games-Initiatives/Low Ropes Challenge Course (1 credit)

A course designed to build interaction within a group by use of relating games and the low (approximately 3 feet or lower) ropes course. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI190 Beginning Open Water SCUBA (1 credit)

A first course in open water SCUBA leading to the certification necessary in order to fill ones SCUBA tanks with air. Beginning Open Water SCUBA certification offered. (CR/NC grade) (Intro)

Instructional Hours: 2

Prerequisite: None

ASI247 Mountain Bike Mechanics Certification (1 credit)

This course is designed to test and certify bike mechanic competencies. Emphasis will be given to timely evaluation and trouble shooting of any part of a mountain bike, including bike assembly, timely overhauling and tuning, wheel building and truing, suspension assembly, maintenance and repair, and proper customer interaction and focus. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI245 or Consent of Instructor

ASI250 Alpine Skiing Techniques I (1 credit)

A continuation of ASI 150, students will be presented levels 5, 6, and 7 from PSIA teachers. Content will begin with wide track parallel skiing and advance to parallel skiing, carved turns, and an introduction to steeper slope skiing with moguls. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI150 or Consent of Instructor

ASI251 Alpine Skiing Techniques II (1 credit)

A continuation of ASI 250, students will be presented levels 8, 9 and 10 from PSIA teachers. Content focuses on steep slope skiing with moguls and covers diverging and converging step turns. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI110 & ASI250 or Consent of Instructor

ASI252 Slalom/Giant Slalom Alpine Ski Racing (1 credit)

Instruction in alpine ski racing technique in both slalom and giant slalom formats. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI110 & ASI250 or Consent of Instructor

ASI254 Snowboarding Techniques I (1 credit)

A continuation of ASI 154. Students learn more advanced snowboarding techniques. Students will descend green, blue, and some black diamond (advanced) slopes at a local ski area. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI154 or Consent of Instructor

ASI255 Snowboarding Techniques II (1 credit)

A continuation of ASI 254. Students learn more advanced snowboarding techniques, particularly on intermediate and advanced slopes at a local ski area. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI110 & ASI254 or Consent of Instructor

ASI258 Cross Country Skiing Techniques I (1 credit)

Builds on basic skills introduced in ASI 158, Introduction to Cross Country Skiing. New techniques introduced are skating, off trail or backcountry skiing, and higher efficiency track skating.

Instructional Hours: 2

Prerequisite: ASI158

ASI272 High Ropes Course Instructor Development (1 credit)
(Maryland Certification Course)

A course designed to meet Maryland Department of Health and Human Hygiene regulations for the safe and proper offering of high ropes (3 feet above ground and higher) course activities in residential camp settings. The course is divided into two days of review and preparation for a third day of examination by the method of scenarios and written test. (Instructor)

Instructional Hours: 2

Prerequisite: ASI280

ASI273 Mountain Bike Guide Development and Certification (1 credit)

A course designed to develop in students the necessary skills for leading mountain bike tours. Students will be introduced to the skills needed to manage mountain bike tours. Topics include: managing biking groups in the back country, teaching Leave No Trace Principles, managing risk for group mountain bike riders, site selection for teaching mountain biking, and all other topics covered in Introduction to Mountain Biking. Students will be required to teach a minimum of 1/2 day biking curriculum to novice riders. (Instructor)

Instructional Hours: 2

Prerequisite: ASI170, ASI240c or Consent of Instructor

ASI274 Ski School Instructor Training (1 credit)

Students clinic under PSIA instructors for the purpose of developing techniques needed to become a Level I PSIA Instructor in either Alpine skiing or snowboarding. Enrollees must qualify by demonstrating abilities. (Instructor)

Instructional Hours: 2

Prerequisite: Appropriate demonstrated ability

ASI275 Whitewater Canoe Instructor Training (1 credit)

Modeled after the American Canoeing Association instructor program, students enrolled must meet the ACA requirements for the passing of the Whitewater Certification portion of their program. For more information, contact the Adventure Sports program director. (Instructor)

Instructional Hours: 2

Prerequisite: ASI233

ASI276 Whitewater Kayak Instructor Training (1 credit)

Modeled after the American Canoeing Association instructor program, students enrolled must meet the ACA requirements for passing the Whitewater Certification portion of their program. For more information, contact the Adventure Sports program director. (Instructor)

Instructional Hours: 2

Prerequisite: ASI170, ASI231 or Permission of Instructor

ASI277 Whitewater Rafting Instructor Training (1 credit)

A course designed to test whitewater rafting techniques in class III/IV whitewater. American Canoe Association whitewater rafting certification offered. (Instructor)

Instructional Hours: 2

Prerequisite: ASI170, ASI236 or Permission of Instructor

ASI279 Challenge Course Facilitation (1 credit)

Course description is forthcoming.

ASI280 Intermediate Ropes Course (1 credit)

A course designed to build self confidence and self reliance as well as group interaction and support through the use of a high ropes course. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI110 & ASI180 or Consent of Instructor

ASI290 Intermediate Open Water SCUBA (1 credit)

A continuation of ASI 190 with certification allowing the diver to descend to greater depths. Advanced Open Water SCUBA certification offered. (Intermediate)

Instructional Hours: 2

Prerequisite: ASI190 & ASI110 or Consent of Instructor

ASI291 Special Topics in Adventuresports (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

ASI292-298 Special Topics in Adventuresports (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Prerequisite: Consent of Instructor

Agricultural Management

AGM101 Introduction to Animal Science (4 credits)

This course serves as an introduction to the livestock industry. Topics include an overview of the major disciplines within animal science, characteristics and identification of various livestock breeds, nutrition, physiology, reproduction, hygiene, production practices, diseases, products (meat, milk, eggs, and wool), marketing and distribution, and economics.

Instructional Hours: 3

Prerequisite: None

Laboratory Hours: 2

AGM102 Introduction to Plant Science (4 credits)

General introduction to plant growth and development. Emphasis is on the physiology, morphology, genetics and ecology of higher plants. The course will also examine identification, use, adaptation and cultural and management practices of grain and forage crops.

Instructional Hours: 3

Prerequisite: None

Laboratory Hours: 2

AGM105 Seminar in Agricultural Management (1 credit)

Students enrolling in the Agriculture Seminar will participate in at least 14 hours of workshops or other educational programming offered by the University of Maryland Cooperative Extension Service. The Cooperative Extension Service conducts workshops and other programs which focus on a wide variety of agricultural topics.

Instructional Hours: 1

AGM110 Agricultural Practicum (1 credit)

This course is designed to allow students the opportunity to examine practical management practices involved in agriculture. Each student will design, implement, and evaluate a demonstrational research activity in some area of agriculture.

Instructional Hours: 1

AGM115 Supervised Work Experience (1 credit)

On-the-job training in the farm production or agribusiness industry of the student's choice. At least 320 working hours must be accumulated for one credit hour. A written report detailing what the student has learned from the work experience is normally required.

AGM230 Agribusiness (4 credits)

This course introduces the principles and practices involved in operating and/or managing an agribusiness. Topics include basic agricultural and agribusiness economic concepts; principles involved in maintaining, analyzing, and using records; cost analysis; the decision making process, procedures for profit maximization; the use of budgeting in evaluating alternatives; agricultural finance; and solving production, marketing, financial and management problems.

Instructional Hours: 3

Prerequisite: MAT095, RS1

Laboratory Hours: 2

Art

ART101 Basic Design I (3 credits)

A fundamental course in the art of two-dimensional design, including freehand drawing and various media in the study of the elements and principles of design. Prerequisite to 2-D studio courses.

Instructional Hours: 2

Prerequisite: None

Laboratory Hours: 2

ART102 Basic Design II (3 credits)

A fundamental course in the art of three-dimensional design, including sculptural processes with various media in the study of the elements and principles of design. Prerequisite to 3-D studio courses.

Instructional Hours: 2

Prerequisite: None

Laboratory Hours: 2

ART103 Art Appreciation (3 credits)

A course that introduces a student to art in its various forms and develops an appreciation of the visual arts. The study includes a survey of media, styles and structures, theories and criticism of art.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

ART108 Introduction to Graphic Design (3 credits)

A course in the development of techniques and skills used in the production of visual material for the printed media. The study includes the relationships between visual imagery and letter forms and solutions to various problems in graphic communications.

Instructional Hours: 2

Prerequisite: ART101 or Consent of Instructor

Laboratory Hours: 2

ART115 Visual Imagery (3 credits)

A course designed to provide experience and theory in art techniques, media, ideas, and teaching methods for Early Childhood and Elementary Education majors.

Instructional Hours: 3

Prerequisite: None

ART120 Art Workshop (3 credits)

A course that introduces a student to the media, techniques, and basic concepts of a particular form of art. The specific focus of the course, such as fibre arts, stained glass, puppetry, or film making will be determined each semester.

Instructional Hours: 2

Prerequisite: None

Laboratory Hours: 2

ART201 Drawing I (3 credits)

A course in freehand drawing that explores various media approaches and concepts with an emphasis on visualization and composition. The study involves the creative rendering of natural objects and the human figure, and includes the development of personal expression with an individual project in drawing.

Instructional Hours: 2

Prerequisite: None

Laboratory Hours: 2

ART205 Sculpture I (3 credits)

A studio course that explores the possibilities of various materials and methods of sculpture. An investigation of form and space through the techniques of modeling, carving, casting and assemblage, with an emphasis on the relationships of concept, structure and the nature of materials.

Instructional Hours: 2

Prerequisite: None

Laboratory Hours: 2

ART206 Painting I (3 credits)

A studio course that includes instruction and experimentation in various stylistic approaches to oil painting. The emphasis of the course is the development of painting skills and a creative understanding of color and composition. The history of painting, individual painters, and concepts of art are studied.

Instructional Hours: 2

Prerequisite: None

Laboratory Hours: 2

ART292-299 Special Topics in Art (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

Laboratory Hours: 2

Biology

BIO101 General Biology I (4 credits)

The first course of a two-course sequence in basic biology. This course covers the scientific method, cell biology, biochemistry, photosynthesis and respiration, genetics, evolutionary theory, and an introduction to the classification of organisms. It is strongly suggested that students have a solid background in high school biology, or have taken BIO 104.

Instructional Hours: 3

Prerequisite: ENG092c

Laboratory Hours: 2

BIO102 General Biology II (4 credits)

The second course of a two-course sequence in basic biology for majors. This course covers the classification, structures, and function of the kingdoms of life (bacteria, protist, fungi, plants, and animals) with emphasis placed on the human body systems.

Instructional Hours: 3

Prerequisite: BIO101/104 or Consent of

Laboratory Hours: 2

Instructor

BIO104 Principles of Biology (4 credits)

A course designed to acquaint non-biology students with the general aspects of biology. Topics covered include biochemistry, cytology, physiology, genetics, ecology, relation to both plants and animals. Special emphasis is placed on human biology. Laboratory exercises demonstrate basic biological principles.

Instructional Hours: 3

Prerequisite: ENG092c

Laboratory Hours: 2

BIO110 Natural History (4 credits)

A course in the basic principles of natural history including ecosystem structure and function, plant and animal identification, and geology. Field trips to local ecosystems exemplify those principles.

Instructional Hours: 2

Prerequisite: ENG101/103/111c

Laboratory Hours: 4

BIO111 Wild Flowers of Garrett County (1 credit)

A course in the field identification of wild flowers found in Garrett County. Emphasis is on the use of identification keys, flower structure, and relationships with various habitats.

Laboratory Hours: 2

Prerequisite: None

BIO120 Dendrology (3 credits)

Classification, distribution, and identification of gymnosperm and angiosperm trees. Laboratory emphasis is placed on the use of dichotomous keys on leaves and twigs for summer and winter identification of timber trees.

Laboratory Hours: 6

Prerequisite: None

BIO130 Principles of Nutrition (3 credits)

This course is designed to develop an understanding of the essentials of nutrition in regard to general health, prevention of disease, and the functions of nutrients in body building. Emphasis will be placed on nutritional requirements for individuals in different stages of development, proper food selection, preparation, and specific nutritional problems of our times.

Instructional Hours: 3

Prerequisite: ENG092c

BIO141 General Microbiology (4 credits)

An introductory course in basic microbiology with selected applied techniques in the areas of culture, identification, limited physiology of normal flora and well-known pathogens. Host responses to disease, organism transmission, and the relationship of organisms to man, animals, and environment will be examined.

Instructional Hours: 3

Prerequisite: BIO101/104; ENG092c or

Laboratory Hours: 3

Permission of Instructor

BIO150 General Ecology (3 credits)

Basic principles of ecology. Interrelationships between animals and plants and their natural environments. Special emphasis is placed on the structure and composition of terrestrial and aquatic communities and population dynamics. The course is designed to provide the basic knowledge necessary for further studies in Wildlife Management.

Instructional Hours: 2

Prerequisite: BIO101/104c

Laboratory Hours: 4

BIO151 Field Ecology (1 credit)

A course designed to provide the student with skill and knowledge in collecting and analyzing ecological information from local natural areas in support of concepts covered in General Ecology.

Laboratory Hours: 3

Prerequisite: ENG101/103/111c

BIO200 Human Anatomy and Physiology I (4 credits)

A study of human structure and function with major emphasis on the basis of structure and function, body organization, tissues, body fluids and their regulation, and selected systems, including the integumentary, articular, skeletal, muscular, and circulatory.

Instructional Hours: 3

Prerequisite: BIO101 or 104, ENG092 or

Laboratory Hours: 3

Consent of Instructor

BIO201 Human Anatomy and Physiology II (4 credits)

Second course in a sequence examining the structure and function of the circulatory, reproductive, urinary, digestive endocrine systems, nervous systems and the special senses. This course will emphasize normal human anatomy and physiology and common pathologic conditions.

Instructional Hours: 3

Prerequisite: BIO200 or Consent of Instructor

Laboratory Hours: 3

BIO210 Plant Systematics (4 credits)

Classification, identification, and ecology of local vascular plants. Laboratory topics include the use of dichotomous keys, identification, collection, and preservation of plant specimens.

Instructional Hours: 3

Prerequisite: BIO120 or Consent of Instructor

Laboratory Hours: 2

BIO222 Herpetology (3 credits)

A course covering the identification, classification, biology, habitat requirements, and conservation of amphibians and reptiles. Species found in the central Appalachian/mid-Atlantic region are emphasized.

Instructional Hours: 2

Prerequisite: NRW181 or Permission of

Laboratory Hours: 3

Instructor

BIO290 Special Problems in Biology (1 credit)

Designed to permit a student to undertake special individual work in a biological science area. Study projects are under the direct supervision of the instructor.

Instructional Hours: Variable

Prerequisite: BIO101/102 and Consent of

Instructor

BIO291 Special Problems in Biology (2 credits)

Designed to permit a student to undertake special individual work in a biological science area. Study projects are under the direct supervision of the instructor.

Instructional Hours: Variable

Prerequisite: BIO101/102 and Consent of

Instructor

BIO292-299 Special Problems in Biology (3 credits)

Designed to permit a student to undertake special individual work in a biological science area. Study projects are under the direct supervision of the instructor.

Instructional Hours: Variable

Prerequisite: BIO101/102 and Consent of

Instructor

Business

BUS101 Introduction to Business (3 credits)

An introductory course that surveys the nature of business, its opportunities, and its environment. Topics covered include various types of ownership, organization, management, marketing, human resources, accounting, and finance.

Instructional Hours: 3

Prerequisite: LGA091, MAT095c

BUS105 Personal Finance (1 credit)

Practical guidance in analyzing and making personal financial decisions. Areas covered will include budgeting, credit, savings, investments, and personal insurance.

Instructional Hours: 1

Prerequisite: LGA091, MAT095

BUS130 Medical Terminology (3 credits)

A course designed to provide a clear understanding of medical terms with emphasis on building a professional vocabulary required of the beginning medical office worker. Lab exercises will emphasize the study of body systems.

Instructional Hours: 3

Prerequisite: LGA091

BUS150 Personal and Consumer Finance (3 credits)

This course examines technology and its impact, real-world decision making, and provides the student with a strong foundation for current and future personal economic activities.

Instructional Hours: 3

Prerequisite: LGA091; MAT095

BUS160 Introduction to Small Business (3 credits)

The organization and operation of small enterprises in retailing, wholesaling, manufacturing and service trades. Deals with practical, everyday problems of an independent entrepreneur.

Instructional Hours: 3

Prerequisite: BUS101

BUS170 Introduction to Management (3 credits)

This course examines in depth the principles and responsibilities of managers. Theories of management as well as practical applications of management techniques are emphasized.

Instructional Hours: 3

Prerequisite: BUS101, ENG101/103/111c

BUS201 Principles of Marketing (3 credits)

An analysis of the principles of marketing and emphasizing managerial efficiency in the marketing process. The student is encouraged to apply analysis to marketing problems.

Instructional Hours: 3

Prerequisite: BUS101, ENG101/103/111c

BUS203 Business Law (3 credits)

Basic principles and application of business law in society. Topics include introduction to law, court procedure, contracts, sales, commercial paper, real and personal property, agency partnerships, corporations and related areas.

Instructional Hours: 3

Prerequisite: BUS101c, ENG101/103/111c

BUS214 Introduction to Business Ethics (3 credits)

This course will explore such problem areas as the morality of capitalism, the social responsibility of business, the concept of corporate responsibility, business and the environment, the rights and responsibilities of employees, whistle blowing, the ethics of advertising, and ethics in multinational corporations. Interesting current events in the news relating to ethical business decision-making will be addressed.

Instructional Hours: 3

Prerequisite: BUS101

BUS225 Introduction to Financial Management (3 credits)

This course is designed to give students a background in the field of financial management. Topics studied will include financial statements and analysis, cash flow and financial planning, cost of capital, stock valuation, liabilities management, and dividend policy.

Instructional Hours: 3

Prerequisite: BUS101; ACC211/PI

BUS230 Human Resource Management (3 credits)

This course will give an overview of the practical and theoretical considerations concerning the management of personnel. Covers all aspects of staffing including recruiting, interviewing, selection, and placement. This course will examine a human resource manager's role regarding training and development, performance appraisal, labor relations and compensation. Also includes laws affecting employee rights and management responsibility (Americans with Disabilities Act, Civil Rights Act, Equal Pay Act, and Sexual Harassment).

Instructional Hours: 3

Prerequisite: BUS101; ENG101/103

BUS282 Practicum in Business (3 credits)

Students are involved in a field experience related to business. Career-related activities are supervised within the participating organization. Students record their activities, projects, and assignments for discussion and evaluation. Students complete a 90-hour (minimum) internship under the guidance of a business professional.

Laboratory Hours: 6.5

Prerequisite: BUS101, 170c, 201c, 203c;
ACC211, 213c

BUS285 Business Development Project (3 credits)

This is the capstone course in the Associate in Applied Science (A.A.S.) In the business Management degree program. This course emphasizes the development of strategy formulation and policy development as it relates to the operation of a business. The focus of the course is the analysis of business and industry problems utilizing a computer simulation. Students are given practice in analyzing companies, discovering problems and developing solutions in the areas of marketing, research and development (R&D), production, finance and total quality management (TQM).

Instructional Hours: 3

Prerequisite: 30 hours in program of which 12
hours in Business

Consult with Advisor.

BUS289 Entrepreneurship (3 credits)

This course is intended to provide understanding of the complexities of launching a new business. Topics for investigation include developing a business plan, identifying and marketing to potential customers, financial planning, and legal risks and benefits.

Instructional Hours: 3

BUS290 Special Topics in Business (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: Consent of Instructor

BUS291 Special Topics in Business (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

BUS294 Field Experience in Business (3 credits)

Students are involved in a field experience related to business. Career-related activities are supervised within the participating organization. Students record their activities, projects, and assignments for discussion and evaluation. Emphasis will be given to defining an appropriate internship site, resume development, interviewing, and gaining job experience to bolster the learner's ability for post graduation employment.

Instructional Hours: 3

Prerequisite: Minimum 30 credit hours, 12 of which in discipline

Preferably a student will have completed or be enrolled in: ACC211, ACC213, BUS101, BUS170, BUS201, BUS203, and ECN104.

BUS292-299 Special Topics in Business (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Chemistry

CHE100 Introduction to College Chemistry (4 credits)

An introductory course in the fundamentals of chemistry. Some topics to be included are atomic theory, bonding, periodicity, stoichiometry, solutions, ionizations, acids-bases, and equilibrium. Also, selected topics will be chosen from organic and biochemistry.

Instructional Hours: 3

Prerequisite: ENG092c; MAT098c

Laboratory Hours: 2

CHE101 General Chemistry I (4 credits)

A course intended for students whose curricula require a year or more of chemistry. The general theories and principles of chemistry are introduced and emphasized in the lecture and reinforced in the laboratory work. Some topics included are atomic and molecular structure, periodicity, chemical bonding and structure, stoichiometry, kinetic molecular theory, solution chemistry, and redox reactions.

Instructional Hours: 3

Prerequisite: ENG092; MAT105c

Laboratory Hours: 3

CHE102 General Chemistry II (4 credits)

A continuation of CHE 101 with topics that include equilibrium, kinetics, electrochemistry, coordination chemistry, descriptive chemistry, thermochemistry, and organic chemistry.

Instructional Hours: 3

Prerequisite: CHE101

Laboratory Hours: 3

CHE201 Organic Chemistry I (4 credits)

This is a first semester course of a two-semester organic sequence with corresponding laboratory. The course will investigate the nomenclature, reactions, and stereochemistry of hydrocarbons, halides, alcohols, ethers, aldehydes, ketones, and carboxylic acids. Aromatic compounds will be studied along with natural products.

Instructional Hours: 3

Prerequisite: CHE102

Laboratory Hours: 3

CHE202 Organic Chemistry II (4 credits)

This is a continuation of Organic Chemistry I. The theoretical explanation of organic reactions with the use of mechanisms will be explored along with kinetics.

Instructional Hours: 3

Prerequisite: CHE201

Laboratory Hours: 3

CHE290 Special Topics in Chemistry (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: CHE102

CHE291 Special Topics in Chemistry (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: CHE102

CHE292-299 Special Topics in Chemistry (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: CHE102

Commercial Vehicle Transportation Specialist

CVS101 Introduction to Commercial Vehicle Transportation (3 credits)

Career opportunities in the profession will be explored. The physical, mental and psychological challenges of the career will be discussed. The basic principles and practices of the commercial vehicle transportation industry are introduced to students. Students will study state laws and regulations governing safety in the commercial transportation industry. The various types of tractors, trailers and other specialized rigs will be examined and discussed. The unique features and driving challenges associated with each type of commercial vehicle will be reviewed. Students will be shown the following procedures on the driving range: introduction to pre-trip inspection, coupling and uncoupling a tractor and trailer, proper use of mirrors, putting the vehicle in motion, proper braking practices along with completing a visual search and hazard perception.

Instructional Hours: 9

Prerequisite: None

CVS102 Operation of The Commercial Transportation Vehicle (4 credits)

Students will study basic functions and operations of the commercial transportation vehicle, including the dashboard and gauges, transmission, air systems and air brakes, engines, tires, steering apparatus, suspension components, and Department of Transportation (DOT) regulations. In addition, load securement, proper loading and unloading, as well as types of dunnage used to secure loads will be discussed along with pre-trip inspections, cargo documentation, log books and regulations, map reading, hazardous materials, accidents and fires. Students will be shown the following procedures on the driving range: straight line backing, serpentine backing, and proper use of mirrors for turning while backing. Students will also refine their skills learned in the prior course.

Instructional Hours: 15

Prerequisite: CVS101

CAP196 Computerized Presentations: Power Point for Microsoft Office Specialist Certification (3 credits)

This course is a course targeting certification in presentation software using Microsoft PowerPoint. Students will learn the basics of creating computerized presentations. Also included will be converting existing information into a presentation, embellishing a presentation with text effects, illustrating a presentation, and communicating with graphs. The basic and advanced features of Microsoft PowerPoint will be explored. This course will help to prepare the student for Microsoft Office Specialist certification.

Instructional Hours: 3

Prerequisite: CSC105/PI

CAP223 Desktop Publishing (3 credits)

This course is designed to provide students with hands-on experience with the basics of desktop publishing. Students will work with the tools used to layout pages for publications.

Instructional Hours: 3

Prerequisite: CSC105/PI

CAP224 Word Processing Applications: Microsoft Word for Microsoft Office Specialist Certification (3 credits)

This course is an introduction to word processing using Microsoft Windows interface with Word. Students will create, edit, and print various types of documents. The basic Microsoft Word features will be explored.

Instructional Hours: 3

Prerequisite: CSC105 or Permission of Instructor

CAP230 Image Editing: Adobe Photoshop (3 credits)

This course is designed to provide students with hands-on experience with basic to advanced image editing and manipulation. Students will work with the tools used to edit images in a variety of creative ways. This course prepares the student for electronic design and exposes them to the solutions to digital artistic expression.

Instructional Hours: 3

Prerequisite: CSC105 or Permission of Instructor

CAP234 Introduction to Animation (3 credits)

This course is designed to provide students with an introduction to animation for the web.

Instructional Hours: 3

Prerequisite: CSC105/PI

CAP290 Special Topics in Computer Applications (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: Consent of Instructor

CAP291 Special Topics in Computer Applications (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

CAP292-299 Special Topics in Computer Applications (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

CIT283 Internet Security (3 credits)

This course is designed to educate students in the technologies, terms, and processes related to Internet security. The course will teach students about the concepts and techniques related to general security, network security, operating system security, and methods for testing security. Both UNIX and Microsoft Windows operating systems will be discussed. This course will prepare students for the CIW Security Professional exam.

Instructional Hours: 3

CITCIT240C Microsoft ASP.NET (3 credits)

Course description is forthcoming.

CIW101 Internet Foundations (2.5 credits)

This introductory course will guide students through Internet fundamentals, Web Page authoring, and the fundamental principles of networking. Topics include overview of the Internet, Internet services, search engines, e-commerce, HTML, image techniques, HTML tables and HTML editors. Students will also study network architecture and standards, networking protocols, TCP/IP, Internet servers, server-side scripting, database connectivity, and network security essentials.

Instructional Hours: None

CIW102 Design Methodology and Technology (2.5 credits)

This course focuses on creating and managing Web sites with tools such as Macromedia Dreamweaver 3.0 and Flash 5.0, FrontPage 2000, Dynamic HTML, and various multimedia and CSS standards. Students will implement the latest strategies to develop third-generation Web sites, evaluate design tools, discuss future technology standards, and explore the incompatibility issues surrounding current browsers. The course focuses on theory, design and Web construction, along with information architecture concepts, Web project management, scenario development and performance evaluations.

Prerequisite: CIW101

CIW103 E-Commerce Strategies and Practices (2.5 credits)

Students will learn how to conduct business online and explore the technological issues associated with constructing and electronic-commerce Web site. Students will implement a genuine transaction-enabled business-to-consumer Web site, examine strategies and products available for building electronic-commerce sites, examine how such sites are managed, and explore how they can complement an existing business infrastructure. Students get hands-on experience implementing the technology to engage cardholders, merchants, issuers, payment gateways and other parties in electronic transactions.

Prerequisite: CIW102

MCS101 Updating Support Skills From MS Windows NT 4.0 To Windows 2000 (2.5 credits)

The goal of this course is to provide Microsoft Windows NT 4.0 support professionals with the knowledge and skills necessary to support Microsoft Windows 2000-based networks. This is a performance-based course, designed upon the job-related tasks a support professional must perform using new or modified features in the Windows 2000 operating system.

Instructional Hours: 7

Prerequisite: Students must be a current Microsoft Certified Sys

MCS102 Designing a MS Windows 2000 Directory Services Infrastructure (1.5 credits)

This course provides students with the knowledge and skills necessary to design a Microsoft Windows 2000 directory services infrastructure in an enterprise network.

Instructional Hours: 7

Prerequisite: Students must be a current Microsoft Certified Sys

MCS103 MS Windows 2000 Network and Operating System Essentials (1.5 credits)

This course is to provide individuals who are new to Microsoft Windows 2000 with the knowledge necessary to understand and identify the tasks involved in supporting Windows 2000 networks. This is an introductory course designed to provide an overview of networking concepts and how they are implemented in Windows 2000.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS104 Supporting Microsoft Windows 2000 Professional and Server (2.5 credits)

This course provides students with the knowledge and skills necessary to install and configure Microsoft Windows 2000 Professional on stand-alone computers and on client computers that are part of a workgroup or a domain. In addition, the course provides the skills and knowledge necessary to install and configure Windows 2000 Server to create file, print, and Terminal servers.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS105 Supporting a Microsoft Windows 2000 Network Infrastructure (2.5 credits)

This course is for new-to-product support professionals who will be responsible for installing, configuring, managing, and supporting a network infrastructure that uses the Microsoft Windows 2000 Server products.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS106 Implementing and Administering MS Windows 2000 Directory (2.5 credits)

This course is designed to provide students with the knowledge and skills necessary to install, configure, and administer Microsoft Windows 2000 Active Directory services. The course also focuses on implementing Group Policy and understanding the Group Policy tasks required to centrally manage users and computers.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS109 Designing A Microsoft Windows 2000 Migration Strategy (1 credit)

This course provides students with the knowledge and skills necessary to select and design a strategy to migrate from a Microsoft Windows NT Server 4.0 directory services infrastructure to a Microsoft Windows 2000 Active Directory service by describing the planning processes and implications involved.

Prerequisite: Consent of Instructor

MCS110 Designing A Microsoft Windows 2000 Networking Services Infrastructure (2 credits)

This course provides senior support professionals with the information and skills needed to create a networking services infrastructure design that supports the required network applications. Each module provides a solution based on the needs of the organization.

Prerequisite: Consent of Instructor

MCS111 Managing a Microsoft Windows 2000 Network Environment (2.5 credits)

The goal of this course is to provide knowledge required by System Administrators, Network Administrators, and IT professionals who implement, manage, and troubleshoot existing network and server environments based on the Microsoft Windows 2000 platform. The course focuses on developing the skills for performing desktop and server installation and configuration tasks, as well as network and operating system management tasks in a Microsoft Windows environment.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS112 Microsoft Windows XP Professional (2.5 credits)

This course will introduce students to Microsoft Windows XP Professional through lectures, demonstrations, discussions, and hands-on lab exercises. Students work through the lesson modules and hands-on labs for practical experience installing, administering, and troubleshooting this next-generation desktop environment. As you build these real-world system support skills, you're also preparing for MCP Exam 70-270, a core requirement on the new MCSE track for Windows Server 2003.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS113 Managing A Microsoft Windows Server 2003 Environment (2.5 credits credits)

Students will be introduced to Microsoft Windows Server 2003 through lectures, demonstrations, discussions, and hands-on labs. Windows Server 2003 course shows you how to set up and support the Windows Server 2003 operating system. As students build these real-world system support skills, they are also preparing for MCP Exam 70-290, a core requirement on the new MCSA/MCSE tracks for Windows Server 2003.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS114 Managing a Microsoft Windows Network Environment (2.5 credits)

This course teaches students, through lectures, discussions, demonstrations, and lab exercises, the skills and knowledge necessary to administer and support a Microsoft Windows Server 2003 network and to prepare for Microsoft Certified Systems Administrator (MCSA/MCSE) certification. It is a comprehensive course that begins with an introduction to the Windows Server 2003 networking architecture and covers a broad spectrum of essential topics. This course provides students with the skills necessary to complete Exam No. 70-291, one of the Core requirements of the new Windows Server 2003 MCSA/MCSE certification.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS115 Microsoft Windows Server 2003 Network Infrastructure (2.5 credits)

The Microsoft Windows Server 2003 Network Infrastructure course delivers the extensive technical knowledge required to provide secure and reliable networking services to your organization. Learn how to install, manage, and troubleshoot the network protocols and services in the Windows Server 2003 operating system. Our Windows Server 2003 Network Infrastructure course provides students with the skills necessary to complete Exam No. 70-293, one of the Core requirements of the new Windows Server 2003 MCSA/MCSE certification.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS116 Microsoft Windows Server 2003 Active Directory Services (2.5 credits)

This course will introduce you to Microsoft Windows Server 2003 Active Directory and prepare you to plan, configure, and administer your Active Directory infrastructure. Microsoft's Active Directory service, a key component of the Windows Server 2003 operating system, automatically manages Windows users, computers, applications, and network resources to keep your company's directories in sync. As students build these real-world system support skills, they are also preparing for MCP Exam 70-294, a core requirement on the MCSE track for Windows Server 2003.

Instructional Hours: 7

Prerequisite: Consent of Instructor

**MCS117 Designing a MS Windows Server 2003 Active Directory and (1.5 credits)
Network Infrastructure**

This course will teach students, through lectures, discussions, paper exercises, and projects, how to design a Microsoft Windows Server 2003 Directory Services Infrastructure. Students will learn how to assemble a design team and how to analyze current business and technical environments. They will also learn that one of the best ways to gather information is to develop worksheets that outline what they need to know about each environment. The course is appropriate for students who want to become a network designer or who plan to take the MCP Exam 70-297: Designing a Microsoft Windows Server 2003 Active Directory Services Infrastructure.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS118 Designing Microsoft Windows Server 2003 Network Security (2.5 credits)

This course will teach students how to design security for a Microsoft Windows Server 2003 network through lectures, discussions, paper exercises, and lab projects. Students will learn how to assemble a design team and how to analyze current business and technical environments. After completing the business and technical analyses, the students will learn how to design a security solution, a Public Key Infrastructure (PKI), and Windows Server 2003 network services security. The course prepares the student for exam 70-298, one of the Core-Elective exams offered by Microsoft for Windows Server 2003 MCSE certification.

Instructional Hours: 7

Prerequisite: Consent of Instructor

MCS125 Networking Fundamentals (6 credits)

This course teaches students the fundamentals and basics of networking. Through hands-on training, students learn the vendor-independent networking skills and concepts that affect all aspects of networking, such as installing and configuring the TCP/IP client. The course helps prepare students for CompTIA's Network+ Examination.

Instructional Hours: 6

Prerequisite: CIT 264 or Consent of Instructor

Computer Science

CSC105 Introduction to Computers (3 credits)

This introductory course is designed to familiarize students with the general concepts of computers and information sciences. The course will introduce students to the features and uses of common applications software such as word processing, spreadsheet, database, and operating systems such as Windows. Students will also learn about the various hardware components and basic computer terminology.

Instructional Hours: 3

Prerequisite: MAT090c; LGA091; ENG090

CSC123 Computer Logic (4 credits)

This is the first course in the study of computer programming languages. Topics covered will include details of computer logic, data storage concepts, computer arithmetic, control structures and file processing concepts. Major emphasis is given to computer programming problem analysis and planning with structured flowcharting techniques. The student will also be exposed to several common programming languages.

Instructional Hours: 4

CSC180 Introduction to Geographic Information Systems (2 credits)

Geographic Information Systems (GIS) combines spatial data (maps) with tabular data (databases) for the purpose of analyzing the environment. This course will introduce students to the principles and practice of GIS while providing experience using ArcView and the ArcView extension Spatial Analyst. This course will develop both a theoretical understanding of GIS and experience in accessing GIS data sets. Students will be exposed to raster and vector GIS.

Instructional Hours: 2

Prerequisite: MAT105

Laboratory Hours: 2

CSC290 Special Topics in Computer Science (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: Consent of Instructor

CSC291 Special Topics in Computer Science (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 2 Prerequisite: Consent of Instructor

CSC292-299 Special Topics in Computer Science (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: Consent of Instructor

Directed Studies

DST140-199 Directed Studies (1-4 credits)

A special option open to students who desire to study and could profit by studying subject matter or issues not found in the current curriculum. One to four credit hours will be given upon the successful completion of a designed course of study providing a Directed Studies Course Form is filed with the Office of the Dean of Academic Affairs with appropriate approvals before registration. Students who plan to transfer may wish to ascertain how this course will transfer.

DST250-289 Directed Topics (1-4 credits)

Study or research under the direction of one or more faculty members of a selected topic. Students with advanced standing will complete and execute an in-depth study of special topics, issues, laboratory, library or field research. One to four credit hours will be given upon completion providing a Directed Topics Form is filed with the Office of the Dean of Academic Affairs with appropriate approvals before registration. Students who plan to transfer may wish to ascertain how this course will transfer.

DST250-289 Directed Topics (1-4 credits)

Study or research under the direction of one or more faculty members of a selected topic. Students with advanced standing will complete and execute an in-depth study of special topics, issues, laboratory, library or field research. One to four credit hours will be given upon completion providing a Directed Topics Form is filed with the Office of the Dean of Academic Affairs with appropriate approvals before registration. Students who plan to transfer may wish to ascertain how this course will transfer.

Earth Science

ESC101 Physical Geology (4 credits)

A study of the physical and structural features of the earth and of the physical, chemical, and biological processes that produced them. Topics included are earth materials, erosion, mountain building, origin of the earth, and some recent geological theories. Interpretation of geologic features and identification of common rocks and minerals will be emphasized in the laboratory.

Instructional Hours: 3 Prerequisite: ENG092c
Laboratory Hours: 2

ESC121 Physical Geography (4 credits)

This course introduces the student to the basic concepts and principles of physical geography. Topics include earth-sun relations, map reading and interpretation, elements of weather, climate and climatic regions, fundamental geologic processes, land forms, soils, and biogeography.

Instructional Hours: 3

Prerequisite: ENG092c; MAT095

Laboratory Hours: 2

ESC210 Soils (3 credits)

An introduction to the physical and chemical properties of soils, their classification and identification, and their important management characteristics. Discussion and investigation of methods for improving the chemical, physical and biological characteristics of soils to give better plant growth are provided.

Instructional Hours: 2

Prerequisite: ENT201c or Consent of Instructor

Laboratory Hours: 2

ESC265 Soil and Water Conservation (4 credits)

This course addresses the principles of meteorology and hydrology affecting soil and water conservation practices and the fundamentals of water resources management. The planning, design, and application of various soil and water conservation measures will be covered, with particular emphasis given to sediment and erosion control practices. Wetlands identification and delineation will also be covered.

Instructional Hours: 2

Prerequisite: ESC210; Permission of Instructor

Laboratory Hours: 4

ESC290 Special Topics in Earth Science (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: Consent of Instructor

ESC291 Special Topics in Earth Science (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

ESC292-299 Special Topics in Earth Science (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Economics

ECN104 Introduction to Economics (3 credits)

This is a survey course covering basic economic concepts. Price, market structure, the business enterprise, labor, monetary systems and national income are some of the topics covered. The course will include basic principles of both microeconomics and macroeconomics.

Instructional Hours: 3

Prerequisite: MAT095, ENG092c

ECN201 Principles of Economics I (MACRO) (3 credits)

An introduction to the analysis of economic principles and problems, prices, the determination and distribution of income, business organization, money and banking, public finance, international trade, business cycles, government economic policies, and various macroeconomic problems.

Instructional Hours: 3

Prerequisite: ENG101/103/111c, MAT098

ECN202 Principles of Economics II (MICRO) (3 credits)

An introduction to the analysis of price theory, cost and production, market structure, consumer behavior, firm decision making, and government regulation. International trade and economic development concepts found under various market conditions are covered.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

ECN290 Special Topics in Economics (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: ECN201

ECN291 Special Topics in Economics (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: ECN201

ECN292-299 Special Topics in Economics (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: ECN201

Education

EDU101 Early Childhood Education I (3 credits)

This course presents an introduction to the profession of early childhood education. Historic, theoretical, and philosophical considerations are examined as well as early childhood growth and development. Curriculum in early childhood programs is studied, and the role of the family and community is discussed.

Instructional Hours: 3

Prerequisite: ENG092c

EDU102 Early Childhood Education II (3 credits)

Early Childhood II is designed to provide students with the knowledge, skills, and disposition to effectively assess needs as well as to establish and maintain instructional environments appropriate for infant, toddler, preschool, and primary school aged children. Practical work will include creating materials and practicing methods for organizing physically and mentally healthy classroom settings. Students will also study the influences on the development and learning of young children. This course encourages reflection about, as well as dedication and advocacy for young children.

Instructional Hours: 3

Prerequisite: EDU101

EDU104 Movement Experiences with Children (3 credits)

This course will survey the basic aspects of movement education focusing on the structure and foundation knowledge of movement, the identification of the process of becoming physically educated. Emphasis will be on movement experiences at the preschool and elementary school level.

Instructional Hours: 3

Prerequisite: ENG092c

EDU105 Career Analysis in Education (1 credit)

This course provides a preliminary self-assessment of how the students' interests and abilities match the demands of the education profession. Students will be introduced to an analysis of education and teachers' roles in both schools and the community.

Instructional Hours: 1

Prerequisite: None

EDU190 Special Topics in Education: Creative Storytelling (1 credit)

A course designed for educators, but open to others who wish to develop their presentations involving visual, auditory and kinesthetic strategies. Students will develop creative storytelling skills to improve their presentation and writing skills.

Instructional Hours: 1

Prerequisite: None

EDU193 Creative Storytelling (3 credits)

A course designed for educators, but open to others who wish to develop their presentations involving visual, auditory and kinesthetic strategies. Students will develop creative storytelling skills to improve their presentation and writing skills.

Instructional Hours: 3

Prerequisite: None

EDU200 Teaching Laboratory (1 credit)

Students develop teaching activities which are video-taped and critiqued in preparation for entry into baccalaureate Teacher Education programs.

Laboratory Hours: 14

Prerequisite: PSY211

EDU201 Foundations of Education (3 credits)

This course surveys the field of Education and the profession of teaching. Emphasis will be placed on understanding the structure of the educational system including governance, finances, curriculum and instruction. Contemporary issues in education will be discussed. Students will be required to do a classroom project in a public school classroom.

Instructional Hours: 3

Prerequisite: ENG101/103/111

EDU210 Introduction to the Exceptional Individual (3 credits)

The etiology, diagnosis, physical, mental, emotional and social characteristics of exceptional individuals are studied in this course. Topics included in this course are mental retardation, learning disabilities, orthopedic handicaps, emotional and behavior disorders, speech and communication disorders, and giftedness. This course will stress the educational needs of exceptional individuals including preventive and remedial education.

Instructional Hours: 3

Prerequisite: ENG092

EDU220 Children's Literature (3 credits)

A survey of the history of varied types of children's literature and criteria for evaluating them. The course presents techniques for determining and guiding children's reading interests toward an appreciation of good literature. Students read anthologies and outstanding children's books, as well as sources of literary criticism.

Instructional Hours: 3

Prerequisite: ENG092c

EDU270 Process and Acquisition of Reading (3 credits)

The process of language development, including the impact of phonetic awareness, and how the brain responds to reading acquisition is studied. Practical applications of research on language acquisition and use are discussed. Understanding the role of experiential background, prior knowledge, and motivation to beginning readers is emphasized.

Instructional Hours: 3

Prerequisite: None

EDU280 Seminar and Practicum in Education (3 credits)

This course provides the students with a 90 hour field experience in an educational agency related to the student's vocational goals. Activities include supervised practice in the field and lecture-seminar discussions. Written reports of the student's training experience are prepared for class discussion. (CR/NC grade)

Prerequisite: 15 credit hours in Human Services,
ENG101/103/111

EDU293-299 Special Topics in Education (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Electrical and Electronics Technology

EET101 Electronic Circuit Analysis I* (3 credits)

EET145 Residential Wiring I (3 credits)

An introductory course focusing on fundamentals of DC and AC circuits; effects of resistors, capacitors, and inductors in circuits; and interpretation of wiring schematics. Students will be introduced to the tools and instruments used by electricians and to the fundamentals of house wiring.

Instructional Hours: 2

Prerequisite: None

Laboratory Hours: 2

EET146 Residential Wiring II (3 credits)

This course builds on the theory and concepts covered in EET 145, Residential Wiring I. All aspects of house wiring are covered with respect to local and national codes. Practical wiring applications are emphasized. Cost analysis is also introduced.

Instructional Hours: 2

Prerequisite: EET145 or Consent of Instructor

Laboratory Hours: 2

EET201 Electronic Circuit Analysis II* (3 credits)

EET210 Electronics Shop Practices* (3 credits)

EET230 Digital Electronics* (3 credits)

*Fairmont State University's course descriptions and syllabi will be used for these courses.

English Pre-College Sequence

ENG090 Basic Writing I (3 credits)

This course focuses on teaching students to write well-constructed sentences leading to effective topic sentences and well-developed paragraphs. This course is not transferable and does not count towards graduation requirements.

Instructional Hours: 3

Prerequisite: College Placement Indicator

ENG091 Basic Writing II (3 credits)

This course is a paragraph and essay writing course, especially emphasizing short essay organization and development. Methods of developing essays, from narrating an event to arguing for or against a particular point of view, are explored. Common errors in grammar and mechanics are also covered at length. This course is not transferable and does not count towards graduation requirements.

Instructional Hours: 3

Prerequisite: College Placement Indicator

ENG092 Preparation for College Writing (3 credits)

English 92 offers students further instruction in developing, revising, and polishing multi-paragraph essays; it particularly emphasizes essay organization, development, and focus in the context of subject, audience, and purpose. Methods of developing essays, from narrating an event to arguing for or against a particular point of view, are explored. Integrated language arts (i.e., the integration of reading and writing) is emphasized as students work towards implementing basic research and demonstrating information literacy in assignments. Common errors in grammar and mechanics are also covered at length as are methods for achieving sentence variety and diverse writing styles dependent upon subject, audience, and purpose.

Instructional Hours: 3

Prerequisite: ES1, RS1 or College Placement Indicator

ENG098 Fundamentals of Writing (2 credits)

This course builds on skills learned in previous English courses and complements freshman writing courses. English 98 provides students with workshop opportunities; additionally, the class gives students a solid foundation in the mechanics of writing, including review of grammar, sentence structure, and punctuation. This course is not transferable and does not count towards graduation requirements.

Instructional Hours: 2

Prerequisite: ES1, RS1 or College Placement Indicator

College-Level Sequence

ENG101 Composition I -- Expository Writing (3 credits)

A course in writing expository and research-based essays that emphasize the development of clear theses through various rhetorical modes including description, narration, comparison-contrast, analogy, definition, analysis, classification, argumentation, and persuasion. Students will write and extensively revise before submitting for a grade a minimum of five expository papers, four-to-six typed, double-spaced pages. Additionally, students are strongly encouraged to visit the Writing Center for help on papers prior to turning in work to be graded. As writer voices develop, students use print and non-print sources to help support theses, leading to writing adhering to MLA guidelines. All students must earn a minimal grade of C- in English 101 or repeat the course.

Instructional Hours: 3

Prerequisite: ES1, RS1, or College Placement Indicator

ENG102 Composition II -- Introduction to Literature (3 credits)

This course emphasizes critical writing about literature, including interpretation, analysis, and evaluation, as well as a critical review of issues common to the human experience. Students will become familiar with analytical approaches to writing about literature and will write a minimum of four essays using multiple print and non-print sources to support arguable thesis statements. To better understand writer, text, and audience, students will explore the social, historical, and cultural contexts within which works are created.

Instructional Hours: 3

Prerequisite: ENG101/103/111 with C- or better

ENG103 Technical Writing (3 credits)

A course designed to develop practical skills in the writing and interpretation of technical reports, memoranda, progress reports, media charts and graphs, technical journal articles, and oral presentation of reports. Some students are required to enroll concurrently in English 98, Fundamentals of Writing. Students are expected to achieve at least a C- on a grammar/punctuation test and to successfully complete in-class writing assignments that achieve at least a grade of C-. Students taking this course to fulfill their GER writing requirement must earn a minimal grade of C- or repeat the course. Students will be expected to complete extended documented reports illustrating competency in technical writing and standard English skills. Students will write and extensively revise a series of assignments designed to help them achieve proficiency in a variety of writing skills.

Instructional Hours: 3

Prerequisite: ES1, RS1, or College Placement Indicator

ENG104 Argumentation and Persuasive Research Writing (3 credits)

A course designed to prepare students for advanced composition at transfer institutions. Students will write and extensively revise several essays incorporating multiple print and non-print sources to substantiate arguable thesis statements. The course includes an introduction to classical rhetoric and arguing to inquire, to convince, to persuade, and to negotiate. Research skills, organization, and style are emphasized.

Instructional Hours: 3

Prerequisite: ENG101/103/111 with a grade of C- or better

ENG111 Honors: Composition I (3 credits)

A college transfer course designed specifically for students demonstrating superior writing abilities who plan to pursue a bachelor's degree at a four-year college. Students will write responses to nonfiction essays on a variety of topics important to our society. A research paper and impromptu essays are also required.

Instructional Hours: 3

Prerequisite: Admission to College Honors Program

ENG112 Honors: Literature, Composition, and Research (3 credits)

Designed for students who have demonstrated superior writing, reading, and thinking abilities and who plan to pursue a degree at a four-year college, this course should be taken after successful completion of English 111, Honors Composition I. Students will complete, at an accelerated pace, all assignments given to English 102 students and will critically read and write about social and multicultural issues impacting literary texts' composition. Additionally, students will skillfully employ multiple theoretical approaches to analyzing literature, integrating analysis of writers, texts, and readers. Researching and writing research papers will be important components of the class, as will be revising all writing assignments. Students write and extensively revise a series of assignments designed to help them achieve proficiency in a variety of writing skills.

Instructional Hours: 3

Prerequisite: ENG111 with a grade of "B" or better

ENG133 Images of Women in Literature (3 credits)

A course that considers images of women in literature has both reflected them and helped to create them. Through an historical approach, students will see how women's role in literature has changed as it has in life.

Instructional Hours: 3

Prerequisite: ENG101/103/111

ENG163 African-American Literature (3 credits)

African-American Literature is a survey of nonfiction, fiction, poetry, and drama designed to present an insight into the richness of the African-American culture. The course begins with a historical overview of African-American literature and presents a variety of selections written by black American authors, covering a wide range of themes.

Instructional Hours: 3

Prerequisite: ENG101/103/111

ENG208 Creative Writing (3 credits)

A course in the writing of imaginative literature, particularly the short story and poetry. It combines lecture, reading, and discussion of professional models of writing with workshop sessions in the classrooms.

Instructional Hours: 3

Prerequisite: Consent of Instructor

ENG209 Special Topics in Creative Writing (3 credits)

Special Topics in Creative Writing is designed for students who desire to perfect their skills and to refine their style in one particular kind of writing: short story, novella, children's stories, poetry, or magazine articles; it is also designed for a student who desires to complete a specialized writing project. Students will learn fundamental concepts and techniques of writing as they work in their chosen genre. Course content will be determined by the instructor in accordance with group or individual interests and needs. The course may be offered in a traditional classroom format or as an individualized program of study.

Instructional Hours: 3

Prerequisite: Consent of Instructor

ENG210 Fiction Writing (3 credits)

Fiction Writing is directed at writing the short story. The course combines lectures, workshops, readings and discussions; these activities lead to each student's producing two or more viable stories.

Instructional Hours: 3

Prerequisite: ENG101/103/111 or Consent of Instructor

ENG222 Children's Literature (3 credits)

A survey of the history of varied types of children's literature and criteria for evaluating them. The course presents techniques for determining and guiding children's reading interests toward an appreciation of good literature. Students read anthologies and outstanding children's books, as well as sources of literary criticism.

Instructional Hours: 3

Prerequisite: ENG092c

ENG250 Survey of World Literature (3 credits)

World Literature (World Masterpieces) is the study of a selection of Western literature containing works written originally in ancient and modern foreign languages. The literatures represented include Greek, Latin, Hebrew, Icelandic, Irish, Norse, French, Italian, German, Spanish, Russian, Norwegian, and Nigerian. Selections stretch in time from 800 BC to the twentieth century.

Instructional Hours: 3

Prerequisite: ENG101; RS1

ENG251 Survey of British Literature (3 credits)

A survey of British literature from Beowulf to the present. Includes major works from the Middle Ages the Sixteenth Century, the Early Seventeenth Century, the Restoration and Eighteenth Century, the Romantic Period, the Victorian Age, and the Twentieth Century.

Instructional Hours: 3

Prerequisite: ENG250

ENG252 Survey of American Literature (3 credits)

A survey of American literature from the colonial period to the present. Includes major works from Early America, the Revolution, the Civil War Era, World War I, and World War II. Examines the historical, cultural, economic, political, and religious events that influenced the development of American literature.

Instructional Hours: 3

Prerequisite: ENG101/103/111

ENG290 Special Topics in English (1 credit)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: ENG101/103/111

ENG291 Special Topics in English (2 credits)
Students will study a topic of special interest under supervision of a College faculty member.
Instructional Hours: 2 Prerequisite: ENG101/103/111

ENG292-299 Special Topics in Literature (3 credits)
Students will study a topic of special interest under supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: ENG101/103/111

Environmental Technology

ENT170 Geospatial Data Collection and Analysis (4 credits)
This course combines material formerly covered in ENT 160, Surveying and Map Interpretation, with new material relating to the theory and application of Global Positioning Systems (GPS) technology. The course covers the basic concepts that are fundamental to the collection and use of any spatial information: coordinate systems, geodesy, datums, scale, and projections; sources and applications of various types of geospatial information including maps, aerial photographs, and remote sensing images; basic [land] surveying techniques including distance measurement, differential and profile leveling, [compass] traversing, and topographic mapping; and the theory of operation and use of GPS technology for surveying, mapping, and navigation.
Instructional Hours: 2 Prerequisite: MAT105; CSC180c
Laboratory Hours: 4

ENT201 Chemistry and Quantitative Methods for Agriculture and Natural Resources (2 credits)
Taken concurrently with AGM 210 and NRW 270, and as a prerequisite for ENT 225, this course serves as a lab to help students master the essential calculations and chemistry principles necessary for successful completion of the Agricultural Management and Natural Resources and Wildlife Technology programs.
Instructional Hours: 1 Prerequisite: AGM210c, NRW270c
Laboratory Hours: 2

ENT225 Water Quality Assessment (3 credits)
A course covering the chemical and biological assessment of water quality. Topics include the physical and chemical characteristics of water, basic stream and lake biology, the use of water quality testing kits, and rapid biological assessment techniques. Field experience is stressed.
Instructional Hours: 1 Prerequisite: CHE100/ENT201/Permission of Instructor
Laboratory Hours: 4

ENT290 Special Topics in Environmental Technology (1 credit)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 1 Prerequisite: Consent of Instructor

ENT291 Special Topics in Environmental Technology (2 credits)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 2 Prerequisite: Consent of Instructor

ENT292-299 Special Topics in Environmental Technology (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: Consent of Instructor

French

FRN101 Elementary French I (3 credits)

A course designed primarily for rapid oral communication in French. Students will learn to carry on short dialogues with adequate oral comprehension, and to use bilingual dictionary for vocabulary development and reading comprehension. Fundamental grammatical constructions and basic verb conjugation will be taught through supplementary written exercises.

Instructional Hours: 3 Prerequisite: ENG101/103/111c

FRN102 Elementary French II (3 credits)

A course that continues the study of French vocabulary and grammar as it develops fundamental skills of speaking, reading, and writing.

Instructional Hours: 3 Prerequisite: FRN101

Geography

GEO201 Cultural Geography (3 credits)

A study of man's distribution in regional settings with emphasis on interrelationships of cultural diversity, economic development, and patterns of living.

Instructional Hours: 3 Prerequisite: ENG092c

GEO281 Travel Study in Geography (1 credit)

This course provides students with the opportunity to learn about geographical concepts and cultures through travel and experience. Specific course objectives and content are coordinated with each travel program.

Instructional Hours: N/A Prerequisite: None

GEO282 Travel Study in Geography (2 credits)

This course provides students with the opportunity to learn about geographical concepts and cultures through travel experience. Specific course objectives and content are coordinated with each travel program.

Instructional Hours: N/A Prerequisite: None

GEO283 Travel Study in Geography (3 credits)

This course provides students with the opportunity to learn geographical concepts and cultures through travel experience. Specific course objectives and content are coordinated with each travel program.

Instructional Hours: N/A Prerequisite: None

GEO290 Special Topics in Geography (1 credit)

Students will study a topic of special interest under supervision of a College faculty member.
Instructional Hours: 1 Prerequisite: Consent of Instructor

GEO291 Special Topics in Geography (2 credits)
Students will study a topic of special interest under supervision of a College faculty member.
Instructional Hours: 2 Prerequisite: Consent of Instructor

GEO292 Special Topics in Geography (3 credits)
Students will study a topic of special interest under supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: Consent of Instructor

Health

HEA151 Personal Health (3 credits)
A basic course designed to study the positive aspects of mental and physical health and interpersonal relationships. Emphasis is placed on self evaluation and self actualization. Topics such as drugs, alcohol, disease, sex education, and human physiology will be discussed.
Instructional Hours: 3 Prerequisite: ENG092c

HEA290 Special Topics in Health (1 credit)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 1 Prerequisite: Consent of Instructor

HEA291 Special Topics in Health (2 credits)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 2 Prerequisite: Consent of Instructor

HEA292-299 Special Topics in Health (3 credits)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: Consent of Instructor

History

HIS101 History of Western Civilization to 1500 (3 credits)
This is a 3-credit-hour college-level history course. In this course you will be covering the development of Western Society from the beginning of civilization to approximately 1550 and the Voyages of Discovery. While the student should obviously make note of important factual information, special emphasis will be on the major "ideas or themes" of western history.
Instructional Hours: 3 Prerequisite: ENG092 to have included documented research essay

HIS102 History of Western Civilization Since 1500 (3 credits)
This is a survey course that highlights the important political, economic, and social events that have shaped Western Civilization from the Age of Constitutionalism and Absolutism to the present.
Instructional Hours: 3 Prerequisite: ENG092 to have included documented research essay

Humanities

HUM100 Introduction to Humanities (3 credits)

A course that introduces the student to the broad concept of humanities through experiences in literature, philosophy, music, and art. Works from these disciplines will be studied as they reflect humanity's values and attempts to express meaning in a changing world. Elective credit only.

Instructional Hours: 3

Prerequisite: ENG092c

HUM210 Society and The Environment (3 credits)

This course focuses on the ethical, moral, social, and aesthetic issues surrounding the preservation, conservation, and management of the environment. Sources include art, philosophy, and literature by a variety of figures who have heightened environmental awareness, including the historical and contemporary writings of Thoreau, Muir, Carson, Dillard and others. Continued work in writing expository prose with an emphasis on interpretation, analysis, and evaluation is an important component of the class.

Instructional Hours: 3

Prerequisite: ENG101/103/111 with a grade of C- or better

HUM290 Special Topics in Humanities (1 credit)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: Consent of Instructor

HUM291 Special Topics in Humanities (2 credits)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

HUM292-299 Special Topics in Humanities (3 credits)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Journalism

JRN101 Journalism (3 credits)

Primarily a print journalism reporting course teaching professional skills: writing style, interviewing, and editing. Freedom of the press, objective reporting, broadcast journalism, the student press, and reporter's ethics are among the topics discussed. Students write, edit and lay out the school newspaper.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

JRN111-114 Applied Journalism (1 credit)

An opportunity for students to design and pursue an independent course of study in journalism. Students may work on the student newspaper, write freelance feature articles for publications, shoot and lay out photo essays, or research an historical or current journalism topic. A contract between students and instructor for credit work is signed at the start of the semester. The student's work is reviewed through the semester. Students may enroll in only one applied journalism class per term.

Instructional Hours: Arrange

JRN101-113 sequentially

JRN290 Special Topics in Journalism (1 credit)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 1 Prerequisite: Consent of Instructor

JRN291 Special Topics in Journalism (2 credits)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 2 Prerequisite: Consent of Instructor

JRN292-299 Special Topics in Journalism (3 credits)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: Consent of Instructor

Juvenile Justice

JUV120 Principles and Practices of Juvenile Justice (3 credits)
This course introduces students to the various aspects of and current practices in the juvenile justice system. Topics include accountability issues, safety and security demands, standards and rules, movements toward diversion and deinstitutionalization, police interaction, court process, due process, and community intervention.
Instructional Hours: 3 Prerequisite: ENG092c

JUV210 Introduction to Therapeutic Recreation in the Adventure Setting (3 credits)
This course presents an overview of services, agencies, and programs designed to meet the developmental, psychological, recreational, and therapeutic needs of special populations.
Instructional Hours: 3 Prerequisite: ENG092

JUV220 Juvenile Delinquency (3 credits)
This course introduces students to the concept of juvenile delinquency and examines its causes and consequences. Topics include individual, sociological, and developmental views of delinquency; substance abuse and delinquency; gangs; police involvement; and trends in juvenile delinquency and delinquency prevention.
Instructional Hours: 3 Prerequisite: ENG092c

JUV230 Leadership Development (3 credits)
This course is designed to provide emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve skills. Approaches to leadership are explored as well as the moral and ethical responsibilities of leaders.
Instructional Hours: 3 Prerequisite: ENG092c; Consent of Instructor

JUV240 Models of Intervention (3 credits)
This course provides an overview of six major models of Juvenile Justice intervention. Topics include safety and security, indications and counter-indications for specific interventions, settings, efficacy of interventions, interactions of related systems, and future trends.
Instructional Hours: 3 Prerequisite: JUV120/220

LGA095 Creating Connections: Reading, Writing and Thinking Critically (6 credits)
About Issues

This course prepares students for the demands of college reading and writing through an integrated approach to language arts development. Students will develop reading and writing strategies through exploration and discussion of a variety of topics including current social, political, and economic issues. Instruction will emphasize critical thinking, reading, and writing and the integration of these processes to maximize learning. This course is not transferable and does not count toward meeting graduation requirements.

Instructional Hours: 6

Prerequisite: College Placement Indicator

LGA100 Applying Language Arts (3 credits)

This course provides students with the opportunity to apply critical thinking, reading, and writing skills as they explore specific contemporary topics, to be determined each semester by the instructor. This course is designed for students who have completed developmental studies, and enrollment is by recommendation and/or permission of the instructor. Elective credit only.

Instructional Hours: 3

Prerequisite: LGA091 and/or ENG091

Law Enforcement

LAW101 Introduction to Law Enforcement (3 credits)

This introductory course describes the role of law enforcement in a democratic society. The history and philosophy of law enforcement are studied in relationship to current practices in law enforcement. Problems and solutions in reducing crime are discussed.

Instructional Hours: 3

Prerequisite: ENG092c

LAW110 Introduction to Criminal Justice (3 credits)

This course focuses on the purposes and functions of the criminal justice system and how it serves society. Course content covers the philosophy and development of law enforcement, corrections, and the courts. The organization of federal, state, and local agencies and institutions with staff functions are examined.

Instructional Hours: 3

Prerequisite: ENG092c

LAW205 Ethics in Criminal Justice (3 credits)

This course will provide the student with a historical perspective of the moral and ethical issues encountered in the criminal justice system and examines the consequences of ethical and legal transgressions by criminal justice practitioners. Topics include police misconduct, attorney/client relationships, prosecutorial misconduct, and sentencing behavior.

Instructional Hours: 3

Prerequisite: LAW110

LAW207 Inside-Out Exchange: Exploring Issues of Crime and Justice (3 credits)

This course is an opportunity for a small group of students from Garrett College and a small group of residents of a correctional facility to exchange ideas and perceptions about crime and justice, the justice system, corrections and imprisonment. It is a chance for all participants to gain a deeper understanding of the justice system through the marriage of theoretical knowledge and the practical experience achieved by weekly meetings extended throughout the semester. Topics include motivation for committing crime, analysis of the criminal justice system, punishment and rehabilitation, victim impact, and restorative justice.

Instructional Hours: 3

Prerequisite: Permission of Instructor

LAW210 Criminal Law (3 credits)

Basic principles of criminal law are studied with emphasis on statutes pertaining to search, seizure, arrest, and rules of evidence. Major classifications of crimes are covered as well as recent Supreme Court decisions related to law enforcement and the criminal code of Maryland.

Instructional Hours: 3

Prerequisite: ENG092c; LAW110

Learning Skills

LRN101 College Seminar (1 credit)

Designed to aid students in the transition from high school to college level course work and for students who have been away from the educational system for an extended period, this course will emphasize skills essential for academic survival. It will include techniques for student success, college resources, study skills, note-taking, test preparation techniques, computer utilization, motivational factors and academic honesty. This course is open to students enrolled at the ENG 92 level or above. It is not open to students tracked in English developmental studies. May be used as an elective credit only. May not be taken subsequent to successful completion of LS 106.

Instructional Hours: 1

Prerequisite: ENG092c

LRN106 Introduction to College (3 credits)

A comprehensive introductory course designed to aid students in the transition to college level courses. Skills essential for academic success and college survival will be emphasized. Students will engage in a comprehensive review of application skills necessary for success through study skills, note-taking, critical thinking, problem solving, time management, test preparation, computer utilization, diversity, health issues, and academic honesty. Students in developmental English and reading are required to enroll in this course. Recommended for students who desire a comprehensive review of the skills necessary for success in college level courses. Elective credit only. May not be taken subsequent to successful completion of LS 101.

Instructional Hours: 3

Prerequisite: College Placement Indicator

Mathematics Pre-College Sequence

MAT080-088 Individualized Learning in Mathematics* (4 credits)

A series of courses designed for the individual needing special arithmetic learning assistance. Individual learning plans are written and students progress through the program by demonstrating mastery of concepts with technological and manipulative support activities. Progress through the series is handled by the Mathematics Department.

Instructional Hours: 4

Prerequisite: College Placement Indicator

MAT089 Basic Mathematics I--Preparatory Mathematics* (4 credits)

A preparatory course designed for the individual needing the opportunity to practice arithmetic skills to include: whole numbers, fractions and decimals, per cents, ratio and proportion, and basic geometric formulas. Students demonstrate mastery of concepts with technological and manipulative support activities to encourage problem solving, communication and reasoning and connections. (Graphing calculator required.)

Instructional Hours: 4

Prerequisite: College Placement Indicator

MAT090 Basic Mathematics II with Emphasis on Pre-Algebra* (6 credits)

A preparatory course designed for the individual needing to develop pre-algebra skills including measurement, the real number system, integer arithmetic operations with positive and negative exponents, number concepts and relationships, patterns, linear equations and graphing. (Graphing calculator required.)

Instructional Hours: 6

Prerequisite: College Placement Indicator

MAT095 Introduction to Algebra* (3 credits)

A preparatory activity course designed for the individual needing the opportunity to develop basic algebra skills including the understanding of the number system, operations with positive and negative exponents, variable and linear equations, graphing, second degree equations, factoring, fractional exponents and quadratic equations using problem solving and communication techniques. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT090 or equivalent competencies

MAT097 Geometry* (3 credits)

A course that deals with the essentials of geometry, developing the basic concepts of congruence, similarity, measure, symmetry, theorems, etc. This includes a study of lines, planes, triangles, polygons and circles. Areas and volumes are investigated. The Geometer's Sketchpad software is used for visualization purposes. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT095 or equivalent competencies

MAT098 Intermediate Algebra* (3 credits)

A preparatory course designed to extend understanding of basic algebra concepts, including use of the graphing calculator. Students will use problem solving techniques to develop cognitive thinking skills. The course will focus on sets, relations and functions (both linear and quadratic), elementary number theory, and matrices. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT095 or equivalent competencies

MAT099 Algebra II with College Geometry* (4 credits)

A preparatory course designed for students who took algebra II and geometry in high school but are in need of a review of core concepts and exposure to graphing calculator and computer skills prior to entering college algebra. (Graphing calculator required.)

Instructional Hours: 4

Prerequisite: Departmental Approval

*These courses are not transferable and do not count toward graduation requirements.

College Level Sequence

MAT105 College Algebra (3 credits)

A course offered in a multimedia classroom. Topics include algebra operations, base conversion, exponents and radicals, factoring, functions, systems of equations and inequalities, the number system, complex numbers, absolute values, binomial theorem, basic matrix operations, polynomials and graphing calculator problems. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT097 and 098 or equivalent competencies

Laboratory Hours: As Assigned

MAT107 Trigonometry (3 credits)

A course offered in a multimedia classroom. Definitions of the functions and variations, degree and radian measure, inverse functions and graphs, polar coordinates, complex numbers and applications of plane trigonometry. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT105 or equivalent competencies

Laboratory Hours: As Assigned

MAT110 Pre-Calculus (4 credits)

A course offered in a multimedia classroom. A treatment of the fundamental notations of algebra, trigonometry, and analytic geometry to be successful in calculus I is offered. Topics include elementary conics, polar coordinates, identities, complex numbers, logarithms, elementary transcendental functions, their graphs, their inverses, and systems of equations using computers and graphing calculators. Derive is used as the computer software package. (Graphing calculator required.)

Instructional Hours: 4

Prerequisite: MAT105 or equivalent competencies

Laboratory Hours: As Assigned

MAT116 Graphing Calculator (1 credit)

This course, which features detailed exploration of graphing calculators and their functions, leads students to develop an understanding of logical thinking skills and mathematical relationships as well as emphasizing problem-solving abilities. Gaining proficiency in operating a Casio FX 2.0, students will learn multiple uses of the instrument. The purpose of this course is to prepare the student for success in math courses; the course will also benefit students enrolled in science courses.

Instructional Hours: 1

Prerequisite: MAT105

MAT121 Elementary Mathematics I (3 credits)

A course offered in a multimedia classroom. It is designed for students majoring in elementary education. The course content includes problem solving in set theory, logic, and mathematical reasoning. Sets, cardinal numbers, operational algorithms, topics from number theory, rational numbers, real numbers, and geometry are instructed using cooperative group techniques. The Geometer's Sketchpad and Derive software are used for visualization purposes. The class is open to majors in Elementary Education ONLY. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT105 or equivalent competencies

Laboratory Hours: As Assigned

MAT122 Elementary Mathematics II (3 credits)

A course offered in a multimedia classroom. Topics include graphing calculator use, understanding geometry coordinates and mathematical systems. The relation between algebra and geometry is established with an emphasis on probability and statistics. Students continue to use Geometer's Sketchpad and Derive software for visualization purposes. The class is open to majors in Elementary Education ONLY. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT121

Laboratory Hours: As Assigned

MAT190 Calculus I (4 credits)

A course offered in a multimedia classroom. Topics include graphing calculator use, introduction to analytic geometry, and a review of absolute values and inequalities. Computers are used to study limits and continuity of functions, derivatives of algebraic and transcendental functions, applications of the derivative, and implicit differentiation, and an introduction to vector calculus. (Graphing calculator required.)

Instructional Hours: 4

Prerequisite: MAT110 or its equivalent

Laboratory Hours: As Assigned

MAT191 Calculus II (4 credits)

A course offered in a multimedia classroom. Topics include graphing calculator use, techniques of integration, applications of integration, improper integrals, infinite series, polar coordinates and rotation of axes. (Graphing calculator required.)

Instructional Hours: 4

Prerequisite: MAT190 or its equivalent

Laboratory Hours: As Assigned

MAT192 Calculus III (4 credits)

A course offered in a multimedia classroom. Topics include, but are not limited to, the study of infinite series and sequences, indeterminate forms and improper integrals, parametrized curves, polar coordinates and conic sections, partial derivatives, multiple integrals and vector analysis. Mathcad is used as the computer software package. (Graphing calculator required.)

Instructional Hours: 4

Prerequisite: MAT191

Laboratory Hours: As Assigned

MAT210 Introductory Statistics (3 credits)

A course offered in a multimedia classroom for students whose field of study requires knowledge of the methods of statistical inference. Topics include organization of data, elementary probability, the binomial distribution, the normal distribution, hypothesis testing, and confidence intervals. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT098

Laboratory Hours: As Assigned

MAT211 Mathematical Logic - Honors (3 credits)

A course which includes all standard topics through relational predicate logic with identity and requires no prior acquaintance with logic. Students work in groups and participate in activities to master course objectives. One variable predicate logic is developed independently of relational predicate logic and identity is presented in two separate units. Students read and interpret alternative methods of logic. A project and written report is also required. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT105

Laboratory Hours: As Assigned

MAT250 Differential Equations (3 credits)

Solutions to ordinary differential equations. Methods of solution include exact differentials and integrating factors. The method of undetermined coefficients series, the LaPlace Transform. A major part of the course will be devoted to applications. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT191; MAT210

MAT280 Matrix Algebra (3 credits)

A course offered in a multi-media classroom to introduce students to the study of matrix algebra. Topics include the study of systems of linear equations and matrices, determinants, vectors and vector spaces, and linear transformations. Mathcad is used as the computer software package. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT190; MAT191

Laboratory Hours: As Assigned

MAT289 Research in Mathematics (3 credits)

This mathematics course is designed to introduce students to research in the area of mathematics education. Topics include cognitive aspects of Algebra learning, technological considerations, curriculum development, and the future of mathematics education. Students practice effective teaching, data gathering and report generation on a regular basis. Word processing and spreadsheeting software use is required (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT105; MAT210

Laboratory Hours: As Assigned

MAT290 Special Topics in Math (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member. (Graphing calculator required.)

Instructional Hours: 1

Prerequisite: MAT105

MAT291 Special Topics in Math (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member. (Graphing calculator required.)

Instructional Hours: 2

Prerequisite: MAT105

MAT292-299 Special Topics in Math (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member. (Graphing calculator required.)

Instructional Hours: 3

Prerequisite: MAT105

Music

MUS110 Music Appreciation (3 credits)

A course designed to widen the student's horizon of musical awareness with emphasis upon stimulating the enjoyment of music. It includes the study of musical elements and guides the student toward intelligent and discriminating listening. Designed for both majors and non-majors.

Instructional Hours: 3

Prerequisite: ENG092c

MUS111-114 Chorus (1 credit)

Public performances of acapella and accompanied choral works, includes sacred and secular music, as well as popular music. No previous choral experience necessary.

Instructional Hours: 2

Prerequisite: None

MUS115 The Musical Encounter (3 credits)

The Musical Encounter focuses upon three fundamental concepts: diversity, change and developing listening techniques and attitudes necessary to accommodate a modern, eclectic musical taste. An interdisciplinary approach to the artistic nature of musical expression, the course introduces special topics with guest lecturers in the areas of performance, composition, art and drama. The overall mission is to both introduce the student to a comprehensive study of the musical art, while also broadening the listening experience and appreciation of contrasting genres of music.

Instructional Hours: 3

Prerequisite: ENG092c

MUS116 Music in Religious Thought and Practice (3 credits)

A course designed to heighten the student's knowledge and interest in the development of sacred music. In discovering the various forms and styles of sacred music, the art would be presented in conjunction with its theological and sociological background. Assignments would include attendance of one formally scheduled concert of sacred music of the student's choice, a written critique of that concert, as well as listening, reading and written assignments.

Instructional Hours: 3

Prerequisite: None

MUS119-122 Instrumental Music (Pipes and Drums) (1 credit)

Study and performance of ensemble literature. Open to qualified students of band and orchestra instruments or piano.

Instructional Hours: 2

Prerequisite: None

MUS129 Applied Music (Voice) (1 credit)

An examination of breathing techniques, tone projection, diction, phrasing, and vocal control relative to voice. An introduction to all musical concepts, techniques, and interpretive skills which follow relative to voice.

Instructional Hours: 3.5

Prerequisite: Consent of Instructor

MUS130-132 Applied Music (Voice) (1 credit)
Continuation of skills mastered in MUS 129 with addition of Art Songs and German Lieder.
Instructional Hours: 3.5 Prerequisite: Consent of Instructor

NOTE: MUS130, 131, and 132 are not for "pop" singers. Students in MUS131 and 132 must have a Level II knowledge of piano.

MUS139 Applied Instrumental (Private Instruction) (1 credit)
A study of tone quality, pitches, articulation, scales, arpeggios and phrasing with a goal toward standardized capabilities. It is intended that this course introduce all musical concepts, techniques and proficiencies which follow. (Beginning students are accepted.)
Instructional Hours: 3.5 Prerequisite: Permission of Instructor

MUS140-142 Applied Instrumental (1 credit)
A continuation of skills mastered in MUS 139.
Instructional Hours: 3.5 Prerequisite: MUS139

MUS149 Applied Piano (Class Piano/Organ) (1 credit)
An introduction to keyboard nomenclature, fingering, hand positions, chords, articulation, pedaling, scales, arpeggios and phrasing. The course is foundational to all piano/keyboard concepts which follow.
Instructional Hours: 3.5 Prerequisite: Permission of Instructor

MUS150-152 Applied Piano (1 credit)
A continuation of mastered skills with the addition of those improvisational techniques and chord notations relative to classroom use.
Instructional Hours: 3.5 Prerequisite: Consent of Instructor

NOTE: The Music Department reserves the right to drop from advanced applied courses any student whose proficiency is not commensurate with course standards. Evaluation juries are held at the end of each semester. There is a laboratory fee for each applied course. Each applied course requires 7 contact sessions with the instructor and approximately 39 hours practice time.

MUS119A- Instrumental Music (Community Band) (1 credit)
122A
Study and performance of ensemble literature. Open to qualified students of band and orchestra instruments or piano.
Instructional Hours: 2 Prerequisite: None

MUS290 Music Special Topics (1 credit)
An opportunity to provide to the student credit offerings in specific ensembles such as woodwind quartet, brass quintet, select chorus, etc. Opportunity is also provided for special music symposiums and seminars. Actual courses vary and are submitted by syllabi to the Dean of Academic Affairs for each offering.
Instructional Hours: 1 Prerequisite: Consent of Instructor

MUS291 Music Special Topics (2 credits)

Larger applied and special project offerings in music under the direction of music faculty are approved for study.

Instructional Hours: 2

Prerequisite: Consent of Instructor

MUS292 Music Special Topics (3 credits)

An opportunity to present students with full lecture courses in specific study areas in music such as "Theory for Non-Majors," "Synthesizer Operation and Program Writing," "Music in The Romantic Era," etc. This section is reserved for lecture offerings, and syllabi are approved by the Dean of Academic Affairs for each offering.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Natural Resources and Wildlife Technology

NRW101 Natural Resources & Wildlife Technology Seminar I (0.5 credits)

A seminar/discussion course introducing students to the Natural Resources & Wildlife Technology Program. Topics will include an overview of the natural resource conservation and environmental protection field, career opportunities, overview of the NRWT program, expectations of NRWT students, and strategies for success in the program. Speakers from various employment areas in natural resources and wildlife technology will supplement class discussions. Open to NRWT students or those exploring the NRWT major.

Instructional Hours: .5

Prerequisite: None

NRW103 Agricultural and Natural Resources Practical Skills I (1 credit)

The first course of a two-semester sequence exposing students to the basic practical skills required for technicians in agriculture and natural resources. Topics include hunter and firearm safety, boat operation and maintenance, small engine maintenance, chain saw operation, and tractor and farm machinery operation. Safety is emphasized.

Laboratory Hours: 3

Prerequisite: None

NRW104 Agricultural and Natural Resources Practical Skills II (1 credit)

The second course of a two-semester sequence exposing students to the basic practical skills required for technicians in agriculture and natural resources. Topics include principles of building construction, basic carpentry, basic electrical wiring, plumbing, masonry, and welding. Safety is emphasized

Laboratory Hours: 3

Prerequisite: None

NRW105 Environmental Science and Contemporary Natural Resource Issues (2 credits)

NRW 105 is a two credit hour course designed to provide those students seeking only a technical degree in natural resource management and wildlife technology with a basic overview of the fundamentals of environmental science. This course focuses on the environment and many of the external conditions that influence the life, development, and future of humankind. Discussion of various environmental factors, in a scientific context, will be a regular part of this course. Outside of the scientific context, discussions will also deal with ethical, socioeconomic, and political factors that affect environmental protection and natural resource management, including environmental law and regulation.

Laboratory Hours: 4

Prerequisite: ENG101/103/111c

NRW106 Environmental Science and Contemporary Natural Resource Issues (3 credits)

An overview of the natural environment; that is, all the external conditions and influences that affect the life, development and, ultimately, the survival of humankind. Discussion of various environmental factors, especially in their scientific context. Ethical, socioeconomic, and political concerns that affect environmental management and protection. A survey of environmental laws and regulations.

Laboratory Hours: 4

Prerequisite: ENG101/103/111c

NRW180 Herbaceous Plant Identification (2 credits)

An intensive, field-oriented course instructing students in the identification of herbaceous vascular plants of the mid-Atlantic and central Appalachians regions. Wetland plants will be emphasized. The use of taxonomic keys to identify plants, and the terminology associated with the use of such keys, will be covered.

Laboratory Hours: 4

Prerequisite: BIO120 or Consent of Instructor

NRW181 Wildlife Biology (3 credits)

A course familiarizing students with important North American game and nongame wildlife species, with emphasis on species of the mid-Atlantic and central Appalachians regions. Students will learn the identification and life histories of these species. Two field trips to the Delmarva peninsula will be included.

Laboratory Hours: 6

Prerequisite: ENG092c or Consent of Instructor

NRW199 Natural Resources & Wildlife Technology Practicum (1 credit)

A semester- or summer-long field experience (exact dates to be determined by the College in cooperation with the employer) involving supervised, voluntary or compensated employment in some area of natural resources and wildlife technology. The student and the College will work together to arrange the practicum. Grading will be based on supervisor evaluations.

Prerequisite: None

NRW270 Forest Measurements (2 credits)

A course covering the basics of timber surveying and measurement of forest products. Topics include timber cruising and other field procedures, map use and interpretation techniques in forestry, grading and scaling techniques, and use of log rules and volume tables. The course will involve classroom instruction and significant field experience.

Instructional Hours: 2

Prerequisite: BIO120, ENT201c

Laboratory Hours: 2

NRW275 Forest Management (3 credits)

A course covering the basic principles and procedures involved in managing forest resources. Topics include principles of forestry science, silvicultural systems and practices, harvesting practices, forest economics, multiple use in forestry, and preparation of a forest management plan. Field experience will be stressed. Students will develop a forest management plan for a chosen portion of land during the semester.

Instructional Hours: 2

Prerequisite: NRW270 or Consent of Instructor

Laboratory Hours: 4

NRW283 Fisheries Biology and Management (3 credits)

The principles of fisheries science with emphasis on the fundamentals of fisheries biology and management. Includes study of fish identification, food habits, age and growth, population dynamics, stream and lake surveys, and management of natural populations.

Instructional Hours: 2

Prerequisite: BIO150c or Consent of Instructor

Laboratory Hours: 4

NRW286 Wildlife Techniques and Habitat Management I (3 credits)

The first course in a two-semester sequence covering basic principles of wildlife management and hands-on techniques and habitat management practices employed by wildlife managers. Hands-on techniques covered include: trapping and marking animals; monitoring wildlife movements, including through the use of radiotelemetry; population size estimation; determining wildlife food habits; determining age and sex of wildlife species; necropsy procedures; and crop damage surveys. Habitat management topics include: assessment of available food, water, cover, and space for wildlife, habitat manipulation techniques used in forested, wetland, agricultural, and urban/suburban environments; and preparation of habitat management plans. Field experience is stressed.

Instructional Hours: 2

Prerequisite: BIO150c, NRW181 or Consent of

Laboratory Hours: 4

Instructor

NRW287 Wildlife Techniques and Habitat Management II (3 credits)

Second course in a two-semester sequence covering basic principles of wildlife management and hands-on techniques and habitat management practices employed by wildlife managers. Hands-on techniques covered include: trapping and marking animals; monitoring wildlife movements, including through the use of radiotelemetry; population size estimation; determining wildlife food habits; determining age and sex of wildlife species; necropsy procedures; and crop damage surveys. Habitat management topics include: assessment of available food, water, cover, and space for wildlife; habitat manipulation techniques used in forested, wetland, agricultural, and urban/suburban environments; and preparation of habitat management plans. Field experience is stressed.

Instructional Hours: 2

Prerequisite: NRW286 or Consent of Instructor

Laboratory Hours: 4

NRW289 Natural Resources & Wildlife Technology Seminar II (0.5 credits)

A seminar/discussion course preparing the graduating Natural Resources & Wildlife Technology student for entrance into the job market. Topics will include a review of job opportunities, job search strategies, resume preparation, state and federal government job application, interviewing skills, and professional appearance and behavior appropriate for NRWT program graduates. Speakers and videos will supplement class discussion. Open to NRWT students only.

Instructional Hours: 1.5

Students must be in the last or next to last semester of study.

NRW290 Special Topics in Natural Resources & Wildlife Technology (1 credit)

Students with advanced standing having completed the basic courses may undertake special or individual work in their major area with the consent of the instructor.

Instructional Hours: 1

Prerequisite: Consent of Instructor

NRW291 Special Topics in Natural Resources & Wildlife Technology (2 credits)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

NRW292-299 Special Topics in Natural Resources & Wildlife Technology (3 credits)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Office Technology

OFT107 Basic Keyboarding (1 credit)

Through computer-based instruction, students will learn to key the alphabetic, numeric and symbol keys by touch to develop a foundation keyboarding skill. This individualized approach to learning allows for more student/teacher interaction.

Instructional Hours: 1

Philosophy

PHL101 Introduction to Philosophy (3 credits)

This course introduces the beginning philosophy student to seven foundational questions that have inspired the western philosophic enterprise for two-and-one-half millennia: Am I both a body and a mind? Do I have free will? Does God exist? What is knowledge, and how is it acquired? How can I distinguish right from wrong? Am I immortal? What is the meaning of life? To give a balanced perspective on these controversial issues, students study representative philosophers primarily drawn from the modern and twentieth century periods including such luminaries as Socrates, St. Augustine, St. Thomas Aquinas, Rene Descartes, Blaise Pascal, David Hume, Immanuel Kant, John Stuart Mill, Friedrich Nietzsche, William James, Soren Kierkegaard, John Dewey, and Jean-Paul Sartre.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

PHL103 Comparative Religion (3 credits)

A course designed to extend to the students an opportunity to trace certain ideals and principles in religion from their ancient route to their manifestations in the world's major religion. It deals with questions concerning the cosmos, deity, humanity, and humanity's plight, salvation, conduct and destiny.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

PHL110 Introduction To Logical Reasoning (3 credits)

A practical course designed to introduce the student to elementary logic and methods of logical thinking as encountered in the sciences, social sciences, business, and humanities. Content will focus on the nature of reasoning, argument analysis, informal and common fallacies of reasoning, and language skills. This course is recommended as a valuable supplemental course in any academic curriculum.

Instructional Hours: 3

PHL111 Introduction to Philosophy: Honors (3 credits)

This history of Philosophy exposes honors students to seminal philosophers whose works have helped shape the development of western intellectual history: Socrates, Plato, Aristotle, Descartes, Locke, Berkeley, Hume, and Kant. Although the approach is historical, students will discuss problems in metaphysics, epistemology, and ethics. A main purpose of the course is to give students a framework for understanding major intellectual movements not only in philosophy but in the physical and behavioral sciences and the arts. Students will be expected to read and interpret primary as well as secondary texts.

Instructional Hours: 3

Prerequisite: ENG111c

PHL112 Philosophy of Religion (3 credits)

This introduction to the Philosophy of Religion is to be distinguished from a course in Comparative Religion. In this course students examine and discuss perennial problems that have persisted throughout the development of religious thought primarily in the western world but also in non-western traditions. Among the main questions to be considered are the following: What is God's nature? Does God exist? How is evil possible in God's creation? How can God foretell the future? Is God's existence compatible with human free will? How is it possible for the individual personality to survive death? Through assigned readings and classroom presentations, students will also become exposed to luminaries in the history of philosophic thought such as Plato, Aristotle, St. Anselm, St. Augustine, St. Thomas Aquinas, Rene Descartes, David Hume, Immanuel Kant, Soren Kierkegaard, and Jean-Paul Sartre.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

PHL113 Symbolic Logic (3 credits)

Symbolic logic is a tool of thought developed to make reasoning more exact. It is especially useful for disciplines requiring precision of thought such as the sciences. In this course students are introduced to symbolic languages which allow them to translate sentences of natural languages like English into an unambiguous symbolic notation. Students also learn how to deploy logical systems in order to determine the validity of reasoning. Students are presented with problems requiring them to develop strategies for problem resolution, the validity of reasoning. They learn how to analyze problems and develop strategies for resolution. The course follows a developmental sequence of study starting with the propositional calculus and proceeding through quantification theory, the logic of relations, and the predicate calculus with identity. These studies acquaint students with the languages underlying computer programs and help them understand how formal systems such as mathematical languages function. The course will be useful to students preparing for careers in engineering, science, technology, computer science, and artificial intelligence.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

PHL201 Classical and Medieval Philosophy (3 credits)

This course is a survey of leading philosophical figures in the classical and medieval periods in western philosophy. Beginning with the Milesians in the Sixth Century BC, the course will concentrate primarily on the works of Plato and Aristotle in the Classical period and Augustine, Anselm, and Aquinas in the Medieval period.

Instructional Hours: 3

Prerequisite: ENG101/103/111

PHL210 Modern Philosophy (3 credits)

An introductory course designed to acquaint the student with leading European philosophers from Hobbes to Kant. The course gives the student the historical background needed for an enriched understanding of philosophic movements in the twentieth century.

Instructional Hours: 3

Prerequisite: ENG101/103/111

PHL220 Twentieth Century Philosophy (3 credits)

This course will trace the development of three major philosophic movements in twentieth century western philosophy -- logical empiricism, existentialism, and pragmatism. Students will become familiar with leading philosophers in each school including Charles Pierce, William James, John Dewey, G. E. Moore, Bertrand Russell, Ludwig Wittgenstein, Edmund Husserl, Martin Heidegger, and Jean Paul Sartre.

Instructional Hours: 3

Prerequisite: ENG101/103/111

PHL290 Special Topics in Philosophy (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: Consent of Instructor

PHL291 Special Topics in Philosophy (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

PHL292-299 Special Topics in Philosophy (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Physical Education

PED101 Beginning Bowling (1 credit)

Instruction in the fundamentals of bowling with emphasis on individual techniques and rules. Class competition in the form of league play.

Instructional Hours: 2

Prerequisite: None

PED102 Advanced Bowling (1 credit)

Advanced techniques will be emphasized with competition in the form of league play.

Instructional Hours: 2

Prerequisite: PED101 or Consent of Instructor

PED103 Beginning Swimming (1 credit)

Beginning techniques in water skills for the non-swimmer. Emphasis on basic strokes.

Instructional Hours: 2

Prerequisite: None

PED104 Advanced Swimming (1 credit)

Instruction for students who have previous swimming experience. Emphasis will be placed on the advanced techniques in water skills.

Instructional Hours: 2

Prerequisite: PED103 or Consent of Instructor

PED110 Golf (1 credit)

A course designed to develop the student's skills and strategy related to golf as a lifetime sport. The course will also concentrate on terminology and etiquette. History of the sport will be discussed. Student participation will be emphasized.

Instructional Hours: 2

Prerequisite: None

PED111 Badminton and Volleyball (1 credit)
In both badminton and volleyball, emphasis is placed on individual skills, team play and rules.
Instructional Hours: 2 Prerequisite: None

PED112 Basketball (1 credit)
Emphasis is placed on individual skills, team play and rules.
Instructional Hours: 2 Prerequisite: None

PED115 Basic Tennis (1 credit)
Instruction in the fundamentals of tennis with emphasis on individual techniques, strategy and rules.
Instructional Hours: 2 Prerequisite: None

PED117 Personalized Health & Fitness (2 credits)
This course is concerned with present and future fitness, including facts and fallacies related to cardiovascular efficiency, strength, flexibility, weight control, motivation, and self-assessment methods. The course is designed to give students an opportunity to assess their current physical and mental status as well as prepare a personalized fitness profile which can be utilized as a guide for future fitness participation.
Instructional Hours: 1 Prerequisite: ENG092c
Laboratory Hours: 2

PED118 Weight Training (1 credit)
Instruction in fundamentals of body building and fitness. Each student is given an individual workout routine with emphasis on conditioning and safety.
Instructional Hours: 2 Prerequisite: None

PED119 Aerobic Exercise (1 credit)
Introduces the student to a program of exercise and movement to music. Emphasis will be given to movement which increases heart and lung efficiency and to exercise which strengthens and tones muscles.
Instructional Hours: 2 Prerequisite: None

PED150 First Aid (3 credits)
Standard procedures of first aid. Emphasis given to circumstances and practices requiring immediate care relevant to those in more remote areas where professional medical assistance may not be available in a short time.
Instructional Hours: 3 Prerequisite: RS1

PED210 Physical Education Practicum (1 credit)
A field experience involving voluntary or compensated supervised employment in some area of physical education. The student and instructor will work together to arrange the practicum. Grading will be based on supervisor evaluations. The course will be taken after completion of the student's freshman year and consist of thirty hours of work assignment.
Laboratory Hours: 30 Prerequisite: Consent of Instructor

PED222 Theory of Baseball (2 credits)

A study of the fundamentals, advanced techniques, methods, strategy, rules, methods of officiating and practice drills basic to baseball.

Instructional Hours: 2

Prerequisite: ENG092c

PED224 Theory of Basketball (2 credits)

A study of the fundamentals, advanced techniques, methods of officiating, strategy, rules, methods and practice drills basic to basketball.

Instructional Hours: 2

Prerequisite: ENG092c

PED240 Sports Officiating (3 credits)

A study of the art of officiating through lectures, films, discussions, and practical applications. Rules for basketball, baseball, football and volleyball will be covered.

Instructional Hours: 2

Prerequisite: PED111 & PED112, ENG092c

Laboratory Hours: 2

PED246 Jazz Dance (1 credit)

This course concerns itself with the study of basic jazz techniques: level change, weight shift, dynamic alignment, breath support and expression, and application of jazz dance vocabulary.

Instructional Hours: 2

Prerequisite: None

PED250 Care and Prevention of Athletic Injuries (3 credits)

This course encompasses the general knowledge and concepts underlying athletic training and the application of these concepts in recognizing, treating and rehabilitating those injuries resulting from athletic participation.

Instructional Hours: 3

Prerequisite: BIO200, ENG092c

PED252 Camp Administration (3 credits)

A course designed to challenge and prepare students interested in designing and implementing a sports camp. Areas covered will include teaching skills, counseling, budget considerations, staffing, officiating and basic CPR skills. A project notebook outlining all teaching skills and requirements will be required of all students. Instruction could include residence hall and night activities counseling. Students complete a 90-hour (minimum) camp internship under the guidance of a camp director.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Laboratory Hours: 2

PED260 Lifeguard Training - Pool and Waterfront (1 credit)

This course teaches the participants to lifeguard swimming pools and open water facilities (camps, rivers, bays) and to provide emergency medical care as needed. It provides all candidates with an expertise in water safety. Students passing the skills and written tests at the conclusion of the course will receive certifications that are valid for three years in lifeguard training, waterfront lifeguarding, CPR for the Professional Rescuer and First Aid. These lifeguards will be qualified to work at any water facility and may continue on to more advanced courses or become instructors.

Instructional Hours: 2

Prerequisite: Pass entrance exam on about a

Laboratory Hours: 28

Level V ability

PED290 Special Topics in Health and Physical Education (1 credit)

Faculty-directed research on selected topics in health/physical education.

Instructional Hours: N/A

Prerequisite: None

PED291 Special Topics in Health and Physical Education (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

PED292-299 Special Topics in Health and Physical Education (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Physics

PHY100 Introduction to College Physics (4 credits)

A course concerned with Newtonian mechanics, energy, heat, wave motion, electricity, and optics. Topics include forces, motion, torque, energy, heat, wave motion, electrostatics, electric currents, and optical phenomena.

Instructional Hours: 3

Prerequisite: MAT095, ENG092c

Laboratory Hours: 2

PHY101 General Physics I (4 credits)

A study of the general principles of physics. Topics included are force and motion, gravitation, energy and momentum, rigid body motion, fluids, vibrations and waves, heat, the structure of matter, and acoustics. Lab and lecture are taught consecutively.

Instructional Hours: 3

Prerequisite: ENG101/103/111c; MAT110

Laboratory Hours: 3

PHY102 General Physics II (4 credits)

A continuation of PHY 101. Topics included are electricity, magnetism, electromagnetic induction, waves, and light. Lab and lecture are taught consecutively.

Instructional Hours: 3

Prerequisite: PHY101

Laboratory Hours: 3

PHY111 General Physics I (Calculus Based) (5 credits)

A calculus based introduction to general physics concepts primarily for those students who plan to enroll in science, technology, and engineering programs. The course topics will include mechanics, kinematics, dynamics, energy, and momentum. Lab and lecture are taught consecutively.

Instructional Hours: 4

Prerequisite: MAT190c; ENG101/103/111c

Laboratory Hours: 3

PHY112 General Physics II (Calculus Based) (5 credits)

A continuation of calculus based physics concepts primarily for those students who plan to enroll in science and engineering programs. The course topics focus on the theoretical and experimental foundation of physics including, but not limited to, electricity and magnetism, thermodynamics, Colomb's law, and Gauss' law. Lab and lecture are taught consecutively.

Instructional Hours: 4

Prerequisite: MAT190; PHY111

Laboratory Hours: 3

PHY130 Physical Science (4 credits)

A general study of physical phenomena and their role in modern society. Topics of study include basic concepts of physics, chemistry and astronomy, with emphasis given to conceptual understanding and the development of calculation skills. The process of scientific inquiry, investigating the properties of material substances, and developing scientific representation will be emphasized in the laboratory.

Instructional Hours: 3

Prerequisite: MAT095, ENG092c

Laboratory Hours: 2

PHY145 Meteorology (4 credits)

This 4-credit course is offered in conjunction with the American Meteorological Society (AMS). Emphasis is placed on movements and processes of the atmosphere, radiation and atmospheric heating, global circulation, weather systems, fronts and air masses, cloud physics, severe weather, and basic forecasting skills. Included are two laboratory activities each week based on current weather data provided by the AMS.

Instructional Hours: 4

Prerequisite: None

PHY147 Astronomy (3 credits)

An introductory course describing the history of astronomy, the solar system, coordinate systems, time, constellations and stars.

Instructional Hours: 3

Prerequisite: None

PHY290 Special Topics in Physics (1 credit)

Designed to permit a student of advanced standing to undertake special or individual work in a physical science area with consent of the instructor.

Instructional Hours: 1

Prerequisite: PHY100

PHY291 Special Topics in Physics (2 credits)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: PHY100

PHY292-299 Special Topics in Physics (3 credits)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: PHY100

Political Science

POL 90 Special Topics in Political Science (1 credit)

Current selected topics designed to permit the student to undertake special studies in Political Science.

Instructional Hours: 1

Prerequisite: None

POL101 Government in Modern Society (3 credits)

An introduction to the basic concepts of political science. The acquisition and maintenance of political power, the varieties of political ideologies and institutions, and the prospects for democratic government are examined.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

POL140 American National Government (3 credits)

A detailed study of the Constitution, the legislature, executive and judicial branches, political parties, and policy-making at the national level. The development of the student's judgment of U.S. domestic and foreign policies is fostered.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

POL141 State and Local Government (3 credits)

Major forms of local, state and regional governments in the United States, with special emphasis on those of the State of Maryland. Problems of federalism, including revenue sharing, are reviewed.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

POL291 Special Topics in Political Science (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

POL292-299 Special Topics in Political Science (3 credits)

Students will study a topic of special interest under supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Psychology

PSY101 General Psychology (3 credits)

Deals with the psychologist's attempt to understand humanity. Topics include psychological and physiological processes; biological foundations of behavior; biological base for integrated behavior; methods of psychology, tests and measurements, experimental design; intelligence; segments of the psychological process including motives, emotions, sensation and perception, processes of learning; personality and adjustment; and neurosis, psychosis, and psychotherapy.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

PSY102 Human Growth and Development (3 credits)

This course emphasizes principles underlying human behavior and development. Primary attention is given to understanding school-age children, but overall human development from conception to death is explored. Students get the opportunity to develop proficiency in observing, recording and analyzing behavior through actual observation of children in classroom and other situations.

Instructional Hours: 3

Prerequisite: ENG101/103/111

PSY121 General Psychology: Honors (3 credits)

This course is designed to introduce the student to the scientific study of human and animal behavior. Basic research findings, methodology, and theoretical, social, and ethical issues will be explored. Honor students will be actively involved in developing their critical thinking skills by analyzing and synthesizing supplemental readings, course work and life experiences to reach personally relevant and meaningful conclusions regarding the material provided. Participating in debates on controversial topics, designing a psychology research project, writing reports and giving oral presentations on the diversity of human behavior is required.

Instructional Hours: 3

Prerequisite: ENG111c

PSY140 Psychology of Women (3 credits)

This course is designed to investigate the physical, mental, social, and emotional development of women from a psychological perspective. Emphasis will be given to examining the popular but unfounded negative stereotypes of women as well as determining the more realistic aspect of the psychological development of women and the subsequent effect it has on adjustment, life-style and emotional problems.

Instructional Hours: 3

Prerequisite: PSY101

PSY150 Psychology of Human Relations (3 credits)

Psychology of Human Relations will explore the fundamental principles underlying human interactions in the work place. Students will develop their knowledge base in the field of human relations and organizational behavior. Students will explore, acquire and apply communication skills necessary to effectively function interpersonally and in organizational structures. The course is designed to be highly interactive.

Instructional Hours: 3

Prerequisite: ENG092

PSY211 Educational Psychology (3 credits)

This course presents an examination of the dynamics of learning processes in human behavior. The relationships among psychological theories, principles of learning, aptitudes, and abilities are studied. Testing and special learners are also discussed.

Instructional Hours: 3

Prerequisite: PSY101

PSY220 Child Psychology (3 credits)

A systematic, integrated, and interpretative study of the growth and development of the child from conception to puberty. Attention is focused on physical growth, influences of environment, behavioral development, play and activities, an overview of preschool years, the child's relationships with family, peers and society. Problems of mental health, parent-child, peer-child, and school-child are examined through the use of research and case material.

Instructional Hours: 3

Prerequisite: PSY101/102, ENG101/103/111

PSY221 Adolescent Psychology (3 credits)

Special attention is given to developmental tasks and problems of adolescence--particularly to concept of self. Course includes the view of the adolescent as a product of heredity and environment; the influence of physiological, social, emotional and intellectual changes on the adolescent personality and adjustment; and social forces affecting him or her.

Instructional Hours: 3

Prerequisite: PSY101

PSY230 Psychology of Adjustment (3 credits)

This course examines the adjustment process in normal individuals. The course combines lecture, discussion and small group interaction. Students will be expected to participate in self-exploration through the use of verbal and nonverbal interpersonal techniques.

Instructional Hours: 3

Prerequisite: PSY101, ENG101/103/111

PSY240 Introduction to Abnormal Psychology (3 credits)

History of the study of psychopathology; concepts of models of positive mental health; major syndromes of deviant behavior, including psychoneurosis, psychosis, personality disorders and affective disorders; theories of deviant behavior and community mental health are studied.

Instructional Hours: 3

Prerequisite: PSY101, ENG101/103/111

PSY290 Special Topics in Psychology (1 credit)

A topic of special interest may be offered as a special topics course. Faculty-directed research may also be offered as a special topics course.

Instructional Hours: 1

Prerequisite: PSY101 or Consent of Instructor

PSY291 Special Topics in Psychology (2 credits)

A topic of special interest may be offered as a special topics course. Faculty-directed research may also be offered as a special topics course.

Instructional Hours: 2

Prerequisite: PSY101 or Consent of Instructor

PSY292-299 Special Topics in Psychology (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: PSY101/102

SOC211 Social Problems (3 credits)

This course examines the cause of social disorganization in modern society. Included are the concerns of personal deviation and the value conflict as well as such contemporary concerns as drugs, alcohol abuse, mental illness, family conflict and crime.

Instructional Hours: 3

Prerequisite: SOC101

SOC212 Social Problems in Adolescence (3 credits)

This course examines the social problems confronting adolescents and young adults in society today. Family conflict, peer groups, drugs, alcohol abuse, the educational milieu, and personal values are studied and discussed.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

SOC215 Deviant Behavior (3 credits)

This course will analyze the various forms of deviant behavior in contemporary society. Consideration will be given to theories of deviance, behavioral manifestations and treatment of deviant behavior.

Instructional Hours: 3

Prerequisite: PSY101

SOC230 Principles of Anthropology (3 credits)

A general introduction to cultural anthropology covering basic theories, research methods and a variety of topical areas including language, religion, gender, ethnicity, kinship, family, economic life, political organization and culture change.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

SOC231 Leadership Development (3 credits)

This course is designed to provide emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve skills. Approaches to leadership are explored as well as the moral and ethical responsibilities of leaders.

Instructional Hours: 3

Prerequisite: ENG092c; Consent of Instructor

SOC260 Gender Roles (3 credits)

An introduction to a contemporary scholarship on gender. Primary concepts, terminology, and methods of investigation employed in the analysis of gender roles will be examined. Topics include the biology and cultural construction of gender, stereotypes, identity development, sexuality, social behavior, cognition and education, the paradox of relationships, reconceptualizing the family, social institutions, health, mental health and psychopathology.

Instructional Hours: 3

Prerequisite: ENG101/103/111c

SOC290 Special Topics in Sociology (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: SOC101

SOC291 Special Topics in Sociology (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: SOC101

SOC292-299 Special Topics in Sociology (3 credits)
Students will study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: SOC101

Spanish

SPN101 Elementary Spanish I (3 credits)
A course designed primarily for rapid oral communication in Spanish. Students will learn to carry on short dialogues with adequate oral comprehension, and to use a bilingual dictionary for vocabulary development and reading comprehension. Fundamental grammatical constructions and basic verb conjunctions will be taught through supplementary written exercises.
Instructional Hours: 3 Prerequisite: ENG101c

SPN102 Elementary Spanish II (3 credits)
The development of basic language skills is continued as students expand vocabulary and grammar and gain oral, aural, and reading proficiencies in Spanish.
Instructional Hours: 3 Prerequisite: SPN101

Speech

SPC101 Introduction to Communication (3 credits)
This course is designed to introduce the student to the fundamentals of human communication and public address. Students will study the basic elements of the communication process; basic techniques of interpersonal communication; elements of speech composition and speech presentation skills applied to informative and persuasive speaking.
Instructional Hours: 3 Prerequisite: ENG092c

SPC270 Maryland Student Legislature I (1 credit)
This course is designed to enable each student delegate the opportunity to develop his or her public speaking skills; the ability to effectively engage in debate; and to actively participate in the process of government.
Instructional Hours: 1 Prerequisite: ENG101/103/111, SPC101

SPC271 Maryland Student Legislature II (1 credit)
This course is designed to enable each student delegate the opportunity to develop his or her public speaking skills; the ability to effectively engage in debate; to actively participate in the process of government.
Instructional Hours: 1 Prerequisite: SPC270

SPC290 Special Topics in Speech (1 credit)
Students study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 1 Prerequisite: SPC101

SPC291 Special Topics in Speech (2 credits)
Students study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 2 Prerequisite: SPC101

SPC292-299 Special Topics in Speech (3 credits)
Students study a topic of special interest under the supervision of a College faculty member.
Instructional Hours: 3 Prerequisite: SPC101

Theatre

THE101 Introduction to The Theatre (3 credits)
An introduction to the theatre arts with emphasis on history, theatrical forms, plays and playwrights, play analysis; and theatre arts and crafts.
Instructional Hours: 3 Prerequisite: ENG101/103/111c

THE104 Fundamentals of Technical Theatre: Stagecraft (3 credits)
Introduction to stagecraft through lecture and practical experience. Concentration on production organization and theatre space, tools and materials, scenery construction, basic scene painting, and stage properties.
Instructional Hours: 1.5 Prerequisite: ENG090c
Laboratory Hours: 1.5

THE105 Fundamentals of Acting I (3 credits)
Introduction to the basic principles of acting with emphasis on relaxation and concentration; movement and mime; imagination and improvisation; dramatic action; and knowledge of theatrical space.
Instructional Hours: 3 Prerequisite: RS1

THE106 Fundamentals of Technical Theatre: Lighting, Costume, Sound (3 credits)
Introduction to lighting, costuming, and sound technology through lecture and practical experience. Concentration on lighting equipment and procedures; tools, techniques and materials of costume construction; sound equipment and application.
Instructional Hours: 1.5 Prerequisite: ENG090c
Laboratory Hours: 1.5

THE107 Fundamentals of Acting II (3 credits)
Continuation of THE 105 with emphasis on character analysis and creation, voice development, and movement. Empathic and comic techniques will be developed through scene study and performance.
Instructional Hours: 3 Prerequisite: THE105 or Consent of Instructor

THE111-114 Theatre Workshop (1 credit)
Practical experience in the various aspects of technical production: acting, directing, design; technical theatre, publicity; and box-office.
Instructional Hours: Arrange Prerequisite: None

THE204 Introduction to Stage Design (3 credits)
Exploration and application of two- and three-dimensional design principles to scenery, costuming, and lighting. Concentration on script analysis, design development, and color theory.
Instructional Hours: 3 Prerequisite: THE104/106; ART101/102 or
Consent of Instructor

THE210 Introduction to Directing (3 credits)

Introduction to the theory and practice of directing live theatre with emphasis on script analysis, director-actor-designer communication, ground plan development, and composition.

Instructional Hours: 3

Prerequisite: THE104; THE105

THE211-214 Theatre Performance Skills (1 credit)

Studies in theatre performance skills, Subject matter and number of sections varies from semester to semester.

Instructional Hours: 1

Prerequisite: None

THE290 Special Topics in Theatre (1 credit)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 1

Prerequisite: Consent of Instructor

THE291 Special Topics in Theatre (2 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 2

Prerequisite: Consent of Instructor

THE292-299 Special Topics in Theatre (3 credits)

Students will study a topic of special interest under the supervision of a College faculty member.

Instructional Hours: 3

Prerequisite: Consent of Instructor

Welding Technology

WLD135 Fundamentals of Welding (2 credits)

Lectures, demonstrations and laboratory work relating to methods and types of equipment used in the welding process with special emphasis on maintenance. The fundamentals of arc- and oxyacetylene will be studied in detail as well as properties of metals in relation to maintenance welding.

Instructional Hours: 1

Prerequisite: None

Laboratory Hours: 3

WLD136 Intermediate Welding I (2 credits)

This course is designed for students who wish to pursue additional knowledge and skills in the welding trade. Topics to be covered include: lap, tee and fillet welds on light steel; beads and manipulation of welding rod on heavy steel plate; butt and lap welds on heavy steel plate; brazing and running beads with bronze rod; building up on cast iron; silver soldering ferrous and nonferrous metals; and introduction to vertical welding.

Laboratory Hours: 4

Prerequisite: WLD135 or Consent of Instructor

WLD137 Intermediate Welding II (2 credits)

This course is designed for the student who wishes to gain additional knowledge and welding skills in the areas of gas metal arc processes, welding of carbon and low-alloy steels, stainless steel, cast iron, cast steel and metal surfacing processes.

Laboratory Hours: 4

Prerequisite: WLD136 or Consent of Instructor

WLD138 Advanced Welding**(2 credits)**

The Advanced Welding course is designed for those students who wish to develop additional skill in MIG and TIG welding. In this course students will learn and employ the welding procedures and practices required for passing the American Welding Society (AWS) MIG/TIG certification test for both mild steel pipe and mild steel up to one inch in thickness. (This certification is the standard D1.1 2000 SMAW/GTAW.) AWS certification is recognized throughout the United States and Puerto Rico. Students who wish to take the AWS certification test at the conclusion of the course may do so for an additional fee.

Prerequisite: WLD137 or Permission of
Instructor

