

# Description of Courses

**ABAC 1000 FRESHMAN SEMINAR.** 1 hour. Two hours of lecture each week for the first half of the semester. This course is designed to provide orientation to the institution and to college living that will aid the student in transition to the college environment. Fall, Spring, Summer.

**ACCT 2101 PRINCIPLES OF ACCOUNTING I.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A study of the underlying theory and application of financial accounting concepts. Fall, Spring, Summer.

**ACCT 2102 PRINCIPLES OF ACCOUNTING II.** 3 hours. Prerequisite: ACCT 2101 with a "C" or better. A study of the underlying theory and application of managerial accounting concepts. Fall, Spring, Summer.

**AECO 1150 FARM ORGANIZATION AND MANAGEMENT.** 3 hours. A study of farm management with major emphasis upon decision-making and efficient use of farm resources. Fall.

**AECO 2258 AGRICULTURAL ECONOMICS.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A study of the economic principles of Agricultural Economics and the application of these principles to the solution of agricultural and farm business problems. Fall, Spring.

**AECO 2260 AGRICULTURAL MARKETING.** 3 hours. A technical course of marketing methods, practices and policies in agriculture. The course emphasizes the management applications of marketing techniques in an agricultural environment. Spring.

**AENG 1109 ENGINEERING GRAPHICS.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A course designed to teach the use of computer aided drafting for lettering, detailing, orthographic and pictorial methods of presentations; and the representation of geometrical magnitudes by means of points, lines, planes and solids and their application in the solution of problems is also covered. Fall.

**AENG 1121 ENGINEERING MEASUREMENTS.** 3 hours. A course teaching surveying methods, instruments and computations related to field problems in taping, leveling, directions, curves and land surveying. As needed.

**AENG 2207 INTRODUCTORY METAL AND WOOD TECHNOLOGY.** 3 hours. A course designed to develop the basic understanding and skills in metal work; selection, care and use of materials, hand tools, and power equipment. Emphasis will be made in cold and hot metal work, gas and arc welding, plumbing, soldering, and surface finishing. Fall, Spring, Summer.

**AENG 2210 SURVEYING.** 3 hours. A course designed to teach surveying methods, instruments, and computations related to field problems in taping, leveling, directions, curves, and level surveying. Fall, Spring.

**AENT 1110 FARM MACHINERY AND EQUIPMENT.** 3 hours. The study of basic farm machinery including the assembly, operation, repair and care of machinery used on the farm. Fall.

**AENT 1113 POWER EQUIPMENT.** 3 hours. A course designed to teach the operation and maintenance of various equipment used in agricultural and forest production. Fall, Spring, Summer.

**AENT 1114 TURFGRASS EQUIPMENT.** 3 hours. A study of the operation and maintenance of power equipment used in golf course and recreational park construction and maintenance. Topics include assembling, operating, servicing, welding, hydraulics, lapping and grinding, and small engine management. Fall.

**AENT 1120 PRINCIPLES OF ENGINES.** 3 hours. A course designed to teach the theory of engines along with practical application of power units and the associated components. Fall.

**AENT 2200 AGRICULTURAL EQUIPMENT PROJECTS.** 3 hours. A conference and practical experience course directed toward the Agricultural Equipment Technology student. A project selected by the student and his advisor will form the basis for the course. Fall, Spring, Summer.

**AENT 2213 PRINCIPLES OF HYDRAULICS.** 3 hours. A course designed to teach the hydraulic theory of transmission of power: Analysis of hydraulic systems by mathematical means and testing are covered. Spring.

**AENT 2220 DRAINAGE, IRRIGATION AND EROSION CONTROL.** 3 hours. This course includes many of the

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practical aspects and field techniques of soil and water conservation with emphasis in those aspects important to the Southeast. A study is made of the nature of the erosion processes and the need for conservation practices. The design and construction of terraces, waterways, drainage systems, irrigating systems and farm ponds are covered. Spring, Summer.

**AENT 2269 INTERNSHIP.** 12 hours. An internship for students in Agricultural Equipment Technology should have completed 27 semester hours prior to enrolling. Fall, Spring, Summer.

**AENT 2280 FARM ELECTRIFICATION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A basic course in electrification designed to cover AC and DC electrical principles. Electrical wiring, load capacity, and current carrying capability will be stressed. Spring.

**AGRI 2100 LIVESTOCK COMPUTER SOFTWARE APPLICATION.** 1 hour. The student will be introduced to software programs that will assist in record keeping of daily activities and financial transactions in a livestock operation. Spring.

**AGRI 2200 AGRICULTURAL PROJECTS.** 3 hours. A conference and practical-experience course directed to the technology student. A project selected by the student and advisor will form the basis of this course. Individual and group problems related to projects will be discussed. Fall, Spring, Summer.

**AGRI 2201 SPECIAL PROBLEMS IN AGRICULTURE.** 3 hours. The course will be conducted in an informal manner with no regularly scheduled classes. Assignments and work will depend upon project and staff member involved. A written report will be required. Objectives are to provide the student an opportunity to become acquainted with research and problem solving in all areas of agriculture. Fall, Spring, Summer.

**AGRI 2202, 2203, 2204 INTERNSHIP.** 3 hours each. An internship for students in Agriculture and Horticulture Technology desiring to enroll in multiple non-full time internship experiences. Fall, Spring, Summer.

**AGRI 2205 INTERNSHIP.** 6 hours. An internship for students in Agriculture and Horticulture Technology desiring to enroll for 6 credit hours in one semester. Fall, Spring.

**AGRI 2206 INTERNSHIP.** 12 hours. An internship for students in the Agricultural Business Technology program. Fall, Spring, Summer.

**AGRI 2207 INTERNSHIP.** 12 hours. An internship for students in the Plant Sciences Option of the Agricultural Technology program. Fall, Spring, Summer.

**AGRI 2208 INTERNSHIP.** 12 hours. An internship for students in the Livestock Production Technology program. Fall, Spring, Summer.

**AGRI 2209 AGRICULTURAL SEMINAR.** 1 hour. Prerequisite: Exemption from or successful completion of READ 0099. An industry-awareness and exploration course consisting of various topics associated with the agricultural industry. Fall, Spring.

**AGRP 1125 FUNDAMENTALS OF PLANT PROTECTION.** 3 hours. A combined lecture and laboratory course embracing the basic principles of insects, disease and weed control in field crops and turfgrass. Emphasis is given to widely applicable control principles and the practical application of control methods. Fall, Spring.

**AGRP 1126 PESTICIDE APPLICATION.** 1 hour. Discussions and practicums offered over an 8-week session. Focus will include interpreting pesticide labels, pesticide selection and calibrations, safe mixing practices and equipment calibrations. A basic understanding of mathematics will be needed to successfully complete mathematical problems associated with calibrations. Fall and Spring.

**AGRY 1110 FORAGE CROPS AND PASTURES.** 3 hours. A combined lecture and laboratory course designed to study in greater detail the crops pertaining to livestock farming. Emphasis is placed on the grasses, legumes and grain crops produced in the area. Topics include assessment, crop production, grazing schedules, pasture renovation and basic plant biology. Fall.

**AGRY 2020 SOILS AND FERTILIZERS.** 4 hours. Prerequisite: Exemption from or successful completion of MATH 0099. A lecture course with a laboratory component designed to complement and support course work in the division's various agricultural programs. Emphasis is placed on the more important soil properties, the nutrient requirements of plants, and fertilizers. Fall, Spring.

**AGRY 2030 FIELD CROP PRODUCTION.** 3 hours. Prerequisite: Exemption from or successful completion of MATH 0099. A lecture course with a laboratory component designed to familiarize students with the basic principles and theories for modern field crop production. Emphasis is placed on the major field crops of Georgia and the Southeast. All aspects of production are covered from initial planning to market. Spring.

**ARTS 1010 DRAWING.** 3 hours. 6 hours lab per week. An introduction to the techniques, principles and materials of drawing. A foundation course in which concepts of composition, figure/ground, line, and value plus the techniques of contour and gesture drawing and the conventions of linear and aerial perspective are studied using a variety of traditional and non-traditional drawing techniques. Fall.

**ARTS 1020 TWO DIMENSIONAL DESIGN.** 3 hours. 6 hours lab per week. An elementary course in formal elements of art and principles of two-dimensional design and an introduction to color theory. Fall.

**ARTS 1030 THREE DIMENSIONAL DESIGN.** 3 hours. 6 hours lab per week. A course in principles of three-dimensional design. An introduction to the methods, materials, tools and safety-procedures of sculpture. Spring.

**ARTS 1040 INTRODUCTION TO CAREERS IN VISUAL ART.** 1 hour. An introduction to the options for professional training and careers in the visual arts. Fall.

**ARTS 2030 COMPUTER ARTS.** 3 hours. 6 hours lab per week. An introductory course to develop basic skills in computer applications used in the visual arts. Students explore the computer and digital technologies as tools to produce digital images for commercial and fine art. Spring.

**ARTS 2211 ART HISTORY I.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. A survey of Western art from prehistoric through medieval times. The formal characteristics of the painting, sculpture, architecture, and some of the minor arts will be analyzed. An introduction to the basic knowledge necessary for painting, sculpture, and the related arts. A study of outstanding examples of painting, sculpture, and the related arts. Spring, even years.

**ARTS 2212 ART HISTORY II.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. A survey of Western art from the early Renaissance to the present. The formal characteristics of the painting, sculpture, architecture, and some of the minor arts will be analyzed. An introduction to the basic knowledge necessary for the understanding and appreciation of the visual arts. A study of outstanding examples of painting, sculpture, and the related arts. Spring, odd years.

**ARTS 2213 ART APPRECIATION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. An introduction to the basic knowledge necessary for the understanding and appreciation of the visual arts. A study of outstanding examples of painting, sculpture, and the related arts. Fall, Spring.

**ARTS 2216 INTRODUCTION TO PAINTING.** 1 hour. 2 hours lab per week. An introduction to the techniques, principles and materials of painting. This course is intended for non-art majors. Fall.

**ARTS 2217 PAINTING.** 3 hour. 6 hours lab per week. An introduction to the techniques, principles and materials of painting. Fall.

**ARTS 2240 CERAMICS.** 3 hours. 6 hours lab per week. An introduction to basic clay hand building techniques, glazing processes, kiln firing methods and hand-building techniques, including pinch, coil, and slab construction. Spring.

**ARTS 2241 CERAMICS II.** 3 hours. 6 hours lab per week. Advanced study in ceramics. A continuation of Art 2240. Spring.

**ARTS 2242 CERAMICS III.** 3 hours. 6 hours lab per week. Advanced study in ceramics. A continuation of Art 2241. Spring.

**ASLH 1000 CAREERS IN THE LIVESTOCK INDUSTRY.** 3 hours. This course introduces students to the diverse options of careers related to the United States beef, swine, poultry and equine industries. Students will learn the principles of and demonstrate their ability to create a career exploration system that results in career planning, preparation and placement. Students will create a resume', career plan, internship plan and career shadowing plan. Guest speakers representing career areas will be used extensively. Fall.

**ASLH 1110 FOOD ANIMAL EVALUATION AND SELECTION.** 3 hours. Prerequisite: A grade of "C" or better in ASLH 2010. Evaluation of livestock for carcass composition and selection for the breeding herd. Beef cattle, swine and sheep are emphasized. Fall.

**ASLH 1120 HERD HEALTH.** 3 hours. Prerequisite: A grade of "C" or better in ASLH 2010. An introductory course of the more common infectious and non-infectious diseases affecting farm livestock. Emphasis is upon disease, disease prevention and development of herd health programs. Spring.

**ASLH 1125 INTRODUCTION TO POULTRY SCIENCE.** 3 hours. An introductory course designed to cover the basics of the poultry industry including breeds, basic nutrition, and the biology of the domestic fowl and the application of the factors to the poultry industry. Fall.

**ASLH 2000 PRACTICUM IN ANIMAL SCIENCE.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. Care and techniques of farm animal management, handling, movement, restraint and facilities needed for efficient and profitable animal production. Fall, Spring.

**ASLH 2010 INTRODUCTION TO ANIMAL SCIENCE.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. Co-requisite: ASLH 2010L. A study of basic principles of animal genetics, selection, nutrition, growth, reproduction and lactation. Economic importance of livestock and poultry are emphasized. Fall, Spring.

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**ASLH 2010L INTRODUCTION TO ANIMAL SCIENCE LAB.** 1 hour. One two-hour laboratory period each week to accompany ASLH 2010. Fall, Spring.

**ASLH 2203 ELEMENTS OF DAIRYING.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A grade of "C" or better in ASLH 2010. An elementary course dealing with dairying and its relationship to agriculture. Includes the areas of breeding, nutrition, marketing of milk, facilities, and the management of the dairy herd. Spring.

**ASLH 2205 BEEF PRODUCTION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A grade of "C" or better in ASLH 2010. A study in breeding, feeding, and managing of beef cattle. Emphasis on the cow-calf segment of the industry. Spring.

**ASLH 2210 SWINE PRODUCTION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A grade of "C" or better in ASLH 2010. A study of the breeding, feeding and managing of swine. Course will cover farrowing to finishing of swine. Fall.

**ASLH 2211 SWINE PRODUCTION II.** 3 hours. Prerequisite: A grade of "C" or better in ASLH 2210. This course will expand on the management practices introduced in ASLH 2210 as they relate to key issues of the swine industry in the U.S. and internationally. Key issues include but are not limited to animal rights/welfare, environmental, government regulations, exports and consumer demands. Fall and Spring as needed.

**ASLH 2215 FEEDING FARM ANIMALS.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099. A grade of "C" or better in ASLH 2010 and complete MATH 1002 or higher. General course in livestock feeding and management with emphasis on nutrients and feedstuffs. Fall, Spring.

**ASLH 2220 HORSE PRODUCTION.** 3 hours. Prerequisite: A grade of "C" or better in ASLH 2010. A general introductory course which covers the basics of the horse industry such as breeds, selection, form-to-function, care and management, soundness, health, feeding and facilities. Spring.

**ASLH 2221 HORSE PRODUCTION II.** 3 hours. Prerequisite: A grade of "C" or better in ASLH 2220. A continuation of the material covered in ASLH 2220 with more emphasis on feeding programs, reproduction, health and management issues. Fall.

**ASLH 2225 REPRODUCTION OF LIVESTOCK.** 4 hours. Prerequisite: A grade of "C" or better in ASLH 2010, "C" or better in ASLH 1120, and a "C" or better in one of the animal sciences species production courses. A study of the anatomy and physiology of reproduction, mating systems, and breeding techniques. Spring.

**ASLH 2228 POULTRY PRODUCTION AND MANAGEMENT.** 3 hours. Prerequisite: A grade of "C" or better in ASLH 1125. A study of the production and management practices used in the production of poultry meat and eggs. Spring.

**BIOL 1003 INTRODUCTORY BIOLOGY I.** 3 hours. Prerequisite: Exemption from or successful completion of ENGL 0099 and READ 0099. Co-requisite: BIOL 1003L. Three hours of lecture each week. General topics to be covered include cell structure and function, cell division, plant and animal energy pathways, genetics and evolution. This course is intended for non-science majors only. Fall, Spring, Summer.

**BIOL 1003L INTRODUCTORY BIOLOGY I LABORATORY.** 1 hour. One two-hour laboratory period each week to accompany BIOL 1003. Fall, Spring, Summer.

**BIOL 1004 INTRODUCTORY BIOLOGY II.** 3 hours. Prerequisite: BIOL 1003/1003L with a grade of C or higher. Co-requisite: BIOL 1004L. Three hours of lecture each week. General topics to be covered include diversity of viruses and bacteria, plant and animal classification, structure and function of major plant and animal systems and ecology. Human biology is emphasized during the latter part of the course. This class is intended for the non-science major interested in a general understanding of biological concepts. Fall, Spring, Summer.

**BIOL 1004L INTRODUCTORY BIOLOGY II LABORATORY.** 1 hour. One two-hour laboratory period each week to accompany BIOL 1004. Fall, Spring, Summer.

**BIOL 2011 HUMAN ANATOMY AND PHYSIOLOGY I.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. Co-requisite: BIOL 2011L. Three hours of lectures each week. A detailed, integrated study of the structure and function of the human body including basic chemistry of living systems, study of the cell; tissues; and the integumentary, skeletal, muscular, nervous, and endocrine systems. Fall, Spring, Summer.

**BIOL 2011L HUMAN ANATOMY AND PHYSIOLOGY I LABORATORY.** 1 hour. One two-hour laboratory period each week to accompany BIOL 2011. Fall, Spring, Summer.

**BIOL 2012 HUMAN ANATOMY AND PHYSIOLOGY II.** 3 hours. Co-requisite: BIOL 2012L. Prerequisite: BIOL 2011 and 2011L with a grade of C or higher. Three hours of lecture each week. A continuation of BIOL 2011 including study of the cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Fall, Spring, Summer.

**BIOL 2012L HUMAN ANATOMY AND PHYSIOLOGY II LABORATORY.** 1 hour. One two-hour laboratory period each week to accompany BIOL 2012. Fall, Spring, Summer.

**BIOL 2026 VERTEBRATE ZOOLOGY.** 3 hours. Co-requisite: BIOL 2026L. Prerequisite: BIOL 2107 and 2107L and BIOL 2108 and 2108L with a grade of C or higher or BIOL 2012 and 2012L with a grade of C or higher. Three hours of lecture each week. A study of the classification, life histories, development, behavior, structure and function of vertebrate animals. Spring.

**BIOL 2026L VERTEBRATE ZOOLOGY LABORATORY.** 1 hour. One two-hour laboratory period each week to accompany BIOL 2026. Spring.

**BIOL 2050 PRINCIPLES OF MICROBIOLOGY.** 3 hours. Co-requisite: BIOL 2050L. Prerequisite: BIOL 2107 and 2107L with a grade of C or higher or BIOL 2012 and 2012L with a grade of C or higher. Three hours of lectures each week. A study of the basic microorganism including pathogens, culturing, methods of staining, disinfection and disease. Fall, Spring, Summer.

**BIOL 2050L PRINCIPLES OF MICROBIOLOGY LABORATORY.** 1 hour. Two one-hour laboratory periods each week to accompany BIOL 2050. Fall, Spring, Summer.

**BIOL 2107 PRINCIPLES OF BIOLOGY I.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. Co-requisite: BIOL 2107L. Three hours of lecture each week. An integrated introduction to modern biology from atomic particles to evolution. General topics to be considered include chemical, molecular and cellular basis of life, photosynthesis, cell metabolism, cell division, genetics, biotechnology, and evolution. This course is intended for science related majors. Fall, Spring, Summer.

**BIOL 2107L PRINCIPLES OF BIOLOGY I LABORATORY.** 1 hour. One two-hour laboratory period each week to accompany BIOL 2107. Fall, Spring, Summer.

**BIOL 2108 PRINCIPLES OF BIOLOGY II.** 3 hours. Co-requisite: BIOL 2108L. Prerequisite: BIOL 2107 and BIOL 2107L with a grade of C or higher. Three hours of lecture each week. General topics to be considered include Domain/Kingdom diversity and classification, plant and animal structure and physiology, plant and animal reproduction, animal homeostasis, responsiveness, coordination, and ecology. This course is intended for science related majors. Fall, Spring, Summer as needed.

**BIOL 2108L PRINCIPLES OF BIOLOGY II LABORATORY.** 1 hour. One two-hour laboratory period each week to accompany BIOL 2108. Fall, Spring, Summer as needed.

**BUSA 1101 BUSINESS SEMINAR.** 1 hour. An industry awareness and exploration course consisting of various topics associated with Business and Economics.

**BUSA 1105 INTRODUCTION TO BUSINESS.** 3 hours. An integrative survey of the functional areas of business (finance, operations, marketing, human resources, etc.). Fall.

**BUSA 2105 COMMUNICATING IN THE BUSINESS ENVIRONMENT.** 3 hours. Prerequisite: ENGL 1101 with a grade of "C" or better. Emphasizes both interpersonal and organizational communications as they relate to the business environment; includes delivery of different types of speeches as well as written exercises appropriate to business practice; designed to develop written and oral communication skills including the clear, concise, effective oral presentation of ideas and to develop an acceptable speaking voice. Fall, Spring.

**BUSA 2106 THE ENVIRONMENT OF BUSINESS.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An introduction to the legal, regulatory, political, social, ethical, cultural, environmental and technological issues which form the context for business; to include an overview of the impact of demographic diversity on organizations. Spring.

**BUSA 2155 BUSINESS LAW.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A general study of law and its relationship to business. Special emphasis is upon the Law of Contracts as related to sales, property, negotiable instruments, and business organization. Fall.

**CHEM 1211 PRINCIPLES OF CHEMISTRY I.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099. Co-requisite: CHEM 1211L. Co-requisite: MATH 1111. Three hours of lecture each week. A general course in chemistry including dimensional analysis, atomic and molecular structures, chemical and physical properties, gas laws, and solutions. Fall, Spring, Summer.

**CHEM 1211L PRINCIPLES OF CHEMISTRY I LABORATORY.** 1 hour. One-two hour laboratory and one one-hour lab preparation/recitation period each week to accompany CHEM 1211. Fall, Spring, Summer.

**CHEM 1212 PRINCIPLES OF CHEMISTRY II.** 3 hours. Co-requisite: CHEM 1212L. Prerequisite: CHEM 1211, CHEM 1211L and MATH 1111 with a grade of C or higher. Three hours of lectures each week. A continuation of CHEM 1211 including thermodynamics, kinetics, equilibrium, and selected descriptive chemistry. Fall, Spring, Summer as needed.

**CHEM 1212L PRINCIPLES OF CHEMISTRY II LABORATORY.** 1 hour. One-two hour laboratory and one one-hour lab preparation/recitation period each week to accompany CHEM 1212. Fall, Spring, Summer as

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needed.

**CHEM 2040 FUNDAMENTAL ORGANIC CHEMISTRY I.** 3 hours. Co-requisite: CHEM 2040L. Prerequisite: CHEM 1212 and CHEM 1212L with a grade of C or better. Three hours of lecture each week. This course covers basic topics of structure and function, organic reaction fundamentals, and stereoisomerism. Aliphatic and cyclic compounds, including alkanes, alkenes, alkyl halides, alcohol, ethers, and alkynes, are studied. Emphasis is placed upon investigating the common types of reactions these compounds undergo. Fall.

**CHEM 2040L FUNDAMENTAL ORGANIC CHEMISTRY I LABORATORY.** 1 hour. One-three hour laboratory period each week to accompany CHEM 2040. Fall.

**CHEM 2041 FUNDAMENTAL ORGANIC CHEMISTRY II.** 3 hours. Co-requisite: CHEM 2041L. Prerequisite: CHEM 2040 and 2040L with a grade of C or better. Three hours of lecture each week. This course is a continuation of CHEM 2040. Selected topics include aromatic compounds, ketones and aldehydes, carboxylic acids, amines, and amides. The structure, function, and reactivity of these compounds are investigated. IR, MS, and NMR spectroscopies are utilized as an aid in determining the structure of simple organic compounds. Spring.

**CHEM 2041L FUNDAMENTAL ORGANIC CHEMISTRY II LABORATORY.** 1 hour. One-three hour laboratory period each week to accompany CHEM 2041. Spring.

**CISM 2201 FUNDAMENTALS OF COMPUTER APPLICATIONS.** 3 hours. A course designed to assure a basic level of computer applications literacy; to include word processing, spreadsheet, data-base, LAN, e-mail and Internet utilization. Fall, Spring, Summer.

**CISM 2201H FUNDAMENTALS OF COMPUTER APPLICATIONS (HONORS).** 3 hours. A course designed to assure a higher level of computer applications literacy; to include word processing, spreadsheet, data-base, LAN, e-mail and Internet utilizations. Fall, Spring.

**COMM 1000 ORAL COMMUNICATION SKILLS.** 2 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. A course in the principles of effective oral communication. Students will gain experience in research, organization, and delivery of different types of speeches. This course meets the graduation requirement for speech and may be used as one of the courses required in Area B, Institutional Options. Not appropriate for most majors. Fall, Spring.

**COMM 1100 HUMAN COMMUNICATION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. Designed to develop techniques in research, organization and delivery of different types of speeches; to develop communication skills including the clear, concise, effective oral presentation of ideas; and to develop an acceptable speaking voice. Fall, Spring, Summer.

**COMM 1100H HUMAN COMMUNICATION (HONORS).** 3 hours. Prerequisite: Honors Program membership or permission of Honors Director. A study of the techniques required in speech research, organization and argument development. Designed to develop advanced delivery techniques for different types of speeches in various public forums. Fall.

**COMM 1110 PUBLIC SPEAKING.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099 and "C" or better in COMM 1100. A study of various forms of public address, and practice in the preparation and delivery of several types of speeches. Designed for a student interested in performing advanced work in speech research and organization. As needed.

**COMM 2100 INTERPERSONAL COMMUNICATION.** 3 hours. Prerequisite: COMM 1100 and PSYC 1100 with a grade of "C" or better. Communication as it occurs in dyadic and small group settings. Primary concern is given to understanding how individuals use both verbal and nonverbal communication to affect relationships and how context affects outcome. Fall.

**COMM 2300 COMMUNICATIONS THEORY AND RESEARCH.** 3 hours. Prerequisite: COMM 2100 and MATH 2000 with a grade of "C" or better. Introduction to the nature of academic inquiry in communications, the basic structure and methodology of professional and academic research, resources available for access to published research, and the major theories that have evolved within the communication discipline as a result of research. Spring.

**CRJU 1100 INTRODUCTION TO CRIMINAL JUSTICE.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An examination of the major components of the American criminal justice system at local, state, and federal levels. The course will examine the different functions and interrelationships of police, the courts, prosecutors and defense attorneys, basic criminal law and court procedures, and the adult prison system. Fall and Summer, even numbered years.

**CRJU 1110 POLICE ADMINISTRATION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An examination of the administration and operation of police organizations. The course will examine the different organizational and command structures used for different police functions, the management and control functions of department administrators, recruitment and hiring practices, budget and other fiscal concerns, and other human resource issues in policing. Spring – Even numbered years

**CRJU 1125 INTRODUCTION TO POLICING.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course looks at the day-to-day activities of American-style policing with an emphasis on the duties and responsibilities of a patrol officer: response to criminal complaints, domestic disturbances, traffic stops, drug arrests, as well as other patrol-related functions such as citizen assistance. There will be a field experience program with local law enforcement agencies. Summer, odd numbered years.

**CRJU 1150 NARCOTICS AND DANGEROUS SUBSTANCES.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course examines drug abuse in American society, past and present. The course will focus on the different categories of drugs, legal and illegal, their effects and potential levels of abuse, the impact of drug abuse on other criminal activity. Domestic and foreign drug production, smuggling and law enforcement interdiction efforts will be examined, along with gangs, organized crime rings, their involvement in the illegal drug culture, and their impact on American society and crime rates. Fall

**CRJU 1165 HOMICIDE INVESTIGATION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course will provide the student with a general knowledge of homicide investigation procedures. The student will become familiar with the distinctions between cause and manner of death and the determinations of homicide, suicide, accidental and undetermined deaths. A particular focus will be on the actual mechanisms of death such as gunshot wounds, edged weapon injuries, blunt force trauma, drowning, burning, poisoning, and various forms of asphyxia. Spring, odd numbered years.

**CRJU 1170 CORRECTIONAL PROCESS.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course will introduce the student to the adult correctional systems used in the United States, the different incarceration categories such as minimum, medium, maximum and "super max" facilities as well as the different alternatives to incarceration such as probation, parole, and intermediate sanctions. The course will provide a historical perspective on the development and evolution of different theories of the purpose, goals, and proper methods of corrections, the different applications, and the results. Summer, even numbered years.

**CRJU 2155 INTRODUCTION TO CRIMINAL PROCEDURE.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course is an examination of the criminal justice processes relating to testimonial and physical evidence. Areas to be covered will be the legal standards for admitting and presenting evidence, the latest key U.S. Supreme Court decisions governing admissibility of evidence, and procedures followed by prosecutors, defense attorneys, and judges before, during, and after the criminal trial. Fall

**CRJU 2200 CRIMINAL LAW.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course will provide the student with a knowledge of the principles and sources of criminal law in America, the elements of proof, criminal responsibility, venues and parties to a crime. The student will be able to recognize the appropriate elements of proof required for major felony and misdemeanor crimes under the appropriate section of the Georgia Revised Statutes. Fall and Summer, odd numbered years.

**CRJU 2210 JUVENILE PROCEDURES.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An examination of the American juvenile justice system and its associated components, beginning with the development of delinquent and criminal behavior, and sociological and physiological theories of delinquency. The course will focus on functions of the American juvenile justice system, its creation and existence separate from the adult criminal justice process, and examine the historical background, organization, function, and jurisdiction of juvenile justice courts and other agencies. This course will address special problems faced by the police, social workers, case officers and others associated with juveniles in a modern society. Spring

**CRJU 2215 CONSTITUTIONAL LAW.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course will provide the student with a background into the U.S. Constitution, the Bill of Rights, the protections contained in these documents, and the constraints imposed on law enforcement officers. The primary focus will be detailed examinations of the legal issues involving the 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> Amendments to the U.S. Constitution and similar individual rights protections of the Georgia State Constitution. In addition, the student will become familiar with relevant court decisions in the areas of search and seizure, rights against self-incrimination, representation by counsel, prohibitions against cruel and unusual punishments. Spring

**CRJU 2220 CRIMINAL INVESTIGATION.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course provides the student with knowledge of criminal investigation procedures. The primary focus of the course will be on the proper procedures for processing a crime scene, photography, evidence handling, preparation of crime scene notes and sketches. In addition, the student will be introduced to the proper techniques for interviewing persons connected to a crime, and the course will address the particular problems presented by crimes such as murder, arson, burglary, and sexual assault. Spring.

**CRJU 2230 INTRODUCTION TO CRIMINOLOGY.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. This course is an examination of the different sociological and physiological

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theories of criminology, as well as a historical perspective of deviant and criminal behaviors in American society. The course focuses on different theories of prevention and intervention, the biological, physiological, social, and environmental causes of criminal behavior and delinquency. The course will also address specific topic areas of personal violence, property and white-collar crimes, crime victims, and crime prevention. The student will be introduced to the concepts of criminal behavior profiling, and several high-profile criminal cases where it was used. Fall.

**CRJU 2235 LAW ENFORCEMENT INTERNSHIP.** 6 hours. A faculty-supervised internship while the student attends the South Georgia Police Academy as a cadet. Students must successfully complete the 11-week Police Academy program of instruction and be certified as Basic Peace Officer in accordance with the P.O.S.T. standards. Open to all students; physical ability and administrative restrictions apply. Additional fees required. Students must contact the ABAC Criminal Justice Program coordinator 60 days prior to the start of the course. Summer (May – July)

**CRSS 2010 INTRODUCTION TO CROP SCIENCE.** 3 hours. Co-requisite: CRSS 2010L. Prerequisite: Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099. A lecture and laboratory designed to provide students who are pursuing a 4-year degree with an in-depth understanding of the form and function of plants, and their use in agriculture. Typical agronomic and horticultural plants are used as examples. Some topics include cell division, growth, development, crop production, usage, genetics and metabolism. Fall, Spring.

**CRSS 2010L INTRODUCTION TO CROP SCIENCE LAB.** 1 hour.

**CSCI 1301 COMPUTER SCIENCE I.** 4 hours. Prerequisite: Prerequisite: Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099 and MATH 1111 or exemption. Four hours of lecture/demonstration each week. This course includes an overview of computers and programming; problem-solving and algorithm development; simple data types; arithmetic and logical operators; selection structures; repetition structures; text files; arrays (one- and two-dimensional); procedural abstractions and software design; object-oriented programming techniques. Fall.

**CSCI 1302 COMPUTER SCIENCE II.** 4 hours. Prerequisite: CSCI 1301. Four hours of lecture/demonstration each week. The course includes an overview of abstract data types (ADTs); arrays (multi-dimensional) and records; sets and strings; binary files; searching and sorting; introductory algorithm analysis (including Big-O); recursion; pointers and linked lists; software engineering concepts; dynamic data structures (stacks, queues, trees). Spring.

**ECON 2105 PRINCIPLES OF MACROECONOMICS.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099. This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies. Fall, Spring, Summer.

**ECON 2106 PRINCIPLES OF MICROECONOMICS.** 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099. This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze structure and performance of the market economy. Fall, Spring, Summer.

**EDUC 2110 INVESTIGATING CRITICAL AND CONTEMPORARY ISSUES IN EDUCATION.** 3 hours. Prerequisite: ENGL 1101 with a "C" or better; at least fifteen semester hours of academic credit with a minimum of a 2.0 GPA. This course engages students in observations, interactions, and analyses of critical and contemporary education issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy. Ten hours of field experience in an approved educational setting are required. Fall, Spring.

**EDUC 2120 EXPLORING SOCIO-CULTURAL PERSPECTIVES ON DIVERSITY IN EDUCATIONAL CONTEXTS.** 3 hours. Prerequisite: ENGL 1101 with a "C" or better; at least fifteen semester hours of academic credit with a minimum of a 2.0 GPA. Given the rapidly changing demographics in our state and country, this course is designed to equip future teachers with the fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definitions and implications of diversity; and 4) the influences of culture on learning, development and pedagogy. Ten hours of field experience are required. Fall, Spring.

**EDUC 2130 EXPLORING LEARNING AND TEACHING.** 3 hours. Prerequisite: ENGL 1101 with a "C" or better; at least fifteen semester hours of academic credit with a minimum of a 2.0 GPA. Students enrolled in this course explore key aspects of learning and teaching through examining their own learning processes and those of others, with the goal of applying this knowledge to enhance the learning of all students in a variety of educational settings and contexts. Ten hours of field experience are required. Fall, Spring.