

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. A broad based oral communication class focusing on public speaking, interpersonal and small group communication. 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. 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. Fall, Spring, Summer.

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 2200 PUBLIC RELATIONS. 3 hours. Prerequisite: COMM 1100, ENGL 1101 and JRNL 1101 with a grade of "C" or better. Public relations techniques and principles. Mass and interpersonal communication research with an emphasis on studies and effectiveness among various publics. 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

Course Descriptions

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 4th, 5th, 6th and 8th 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 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.

ENGL 0099 DEVELOPMENTAL ENGLISH. 4 hours. Four hours of lecture each week. A composition course required of students scoring below an established cut-off score of the writing placement exam. Instruction focuses on helping students develop proficiency and confidence in their writing processes and in reading and responding to the writing of others. Students may exit Learning Support English by successfully completing ENGL 0099, passing the WPE, and making a satisfactory score on the COMPASS exam. Fall, Spring, Summer.

Course Descriptions

ENGL 1101 COMPOSITION I. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition and argumentation, and also including introductory use of a variety of research skills. Fall, Spring, Summer.

ENGL 1101H COMPOSITION I (HONORS). 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099 and Honors Program membership or permission of Honors Director. A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition and argumentation, and also introductory use of a variety of research skills. Fall.

ENGL 1102 COMPOSITION II. 3 hours. Prerequisite: ENGL 1101 with a grade of "C" or better. English 1102 is a composition course in which literature is used as a basis for argument and which emphasizes analysis, interpretation, and evaluation of a variety of texts. The course promotes academic writing and incorporates advanced research methods, including capability in electronic resources and documentation. Fall, Spring, Summer.

ENGL 1102H COMPOSITION II (HONORS). 3 hours. Prerequisite: ENGL 1101 with a grade of "C" or better (or exempt status) and Honors Program membership or permission of Honors Director. A composition course focusing on academic writing skills that emphasizes interpretation and evaluation of a variety of texts and that incorporates advanced research skills. Spring.

ENGL 2111 WORLD LITERATURE I. 3 hours. Prerequisite: ENGL 1102 with a grade of "C" or better. A survey of important works of world literature from ancient times through the mid-seventeenth century. Designed to foster in the student some knowledge and appreciation of world literature through the seventeenth century. Lectures, discussions, and research are devoted to major literary works, figures, and movements in historical context, with attention to recurrent themes, archetypes, and techniques of literary analysis as well as to the influence of philosophical and religious views on literature. Fall, Spring, Summer.

ENGL 2112 WORLD LITERATURE II. 3 hours. Prerequisite: ENGL 1102 with a grade of "C" or better. A survey of important works of world literature from the mid-seventeenth century to the present. Designed to foster in the student some knowledge and appreciation of world literature from the late seventeenth century to modern times. Lectures, discussions and research are devoted to major literary works, figures, and movements in historical context, with attention to recurrent themes, archetypes, and techniques of literary analysis as well as to the influence of philosophical and religious views on the literature. Fall, Spring, Summer.

ENGL 2121 BRITISH LITERATURE I. 3 hours. Prerequisite: ENGL 1102 with a grade of "C" or better. A survey of important works of British Literature. Designed to foster in the student some knowledge and appreciation of British Literature from Old English through the Neo classical period (Age of Reason). Lectures, discussions, and research focus on major figures, works, and movements in historical context, with special attention to themes and techniques of literary analysis and to the influence of philosophical, political, social, and religious views on the literature. Fall, Spring, Summer.

ENGL 2122 BRITISH LITERATURE II. 3 hours. Prerequisite: ENGL 1102 with a grade of "C" or better. A survey of important works of British Literature. Designed to foster in the student some knowledge and appreciation of British Literature from the Romantic period to the present. Lectures, discussions, and research focus on major figures, works, and movements in historical context, with special attention to themes and techniques of literary analysis and to the influence of philosophical, political, social, and religious views on the literature. Fall, Spring, Summer.

ENGL 2131 AMERICAN LITERATURE I. 3 hours. Prerequisite: ENGL 1102 with a grade of "C" or better. A survey of important works of American literature. Designed to foster in the student some knowledge and appreciation of American literature from the sixteenth century pre-colonial to the mid-nineteenth century (civil war). Lectures, discussions, and research focus on major figures, works, and movements in historical context, with special attention to themes and techniques of literary analysis and to the influence of philosophical and religious views on the literature. Fall, Spring, Summer.

ENGL 2132 AMERICAN LITERATURE II. 3 hours. Prerequisite: ENGL 1102 with a grade of "C" or better. A survey of important works of American literature. Designed to foster in the student some knowledge and appreciation of American literature from the mid-nineteenth century (civil war) through the present. Lectures, discussions, and research focus on major figures, works, and movements in historical context, with special attention to themes and techniques of literary analysis and to the influence of philosophical and religious views on the literature. Fall, Spring, Summer.

ENGL 2132H SURVEY OF AMERICAN LITERATURE II (HONORS). 3 hours. Prerequisite: Honors Program membership and ENGL 1102H or ENGL 1102 with a grade of "C" or better and permission of Honors Director. A survey of important works of American literature designed to foster in the student some knowledge and appreciation of American literature from the mid-nineteenth century (civil war) through the present. Lectures, discussions, and research focus on major figures, works, and movements in historical

context, with special attention to themes and techniques of literary analysis and to the influence of philosophical and religious views on the literature. Fall.

FACS 1100 CAREER EXPLORATION. 1 hour. A study of the various fields of Family and Consumer Sciences designed to orient freshman in the opportunities, preparation and personal qualities important for the various fields of Family and Consumer Sciences. Required for all Family and Consumer Sciences majors. Fall, Spring, Summer.

FACS 1101 FASHION FUNDAMENTALS. 3 hours. A study of fashions as a social, economic, and merchandising force. Designers, markets, and fashion cycles will be examined. Spring even years.

FACS 1103 INTRODUCTION TO CHILD DEVELOPMENT. 3 hours. A study of the development and needs of the infant, through teen years and how these needs may be met by the various members of the family and educational institutions. Spring even years.

FACS 1120 TEXTILE CONSTRUCTION. 3 hours. A course designed to teach the fundamentals of clothing based on wardrobe planning, purchase and use of fabrics as well as garment construction. Emphasis upon intellectual reasoning, problem-solving, managing, communicating and manual dexterity is used. Emphasis will also be given to construction of home furnishings and accessories. Fall even years.

FACS 1151 WELLNESS NUTRITION. 3 hours. A study of the basic principles of nutrition and selection of foods to maintain health at various stages of the life cycle. Spring odd years.

FACS 1161 INTERIOR SYSTEMS AND EQUIPMENT. 3 hours. A study of the selection, care and efficient use of carpet flooring materials, paint, etc. used in commercial and residential design. The development and understanding of the different types of energy used in the operation of equipment and home heating is stressed. Technology and its use within the home is examined. Spring even years.

FACS 2206 EXPERIENTIAL LEARNING IN FAMILY AND CONSUMER SCIENCES TECHNOLOGY. 3 hours. An Internship for students in Family & Consumer Sciences Technology. Fall, Spring, Summer.

FACS 2211 CHILDREN'S CREATIVE ACTIVITIES. 3 hours. A study of children's creative activities including out of class observation periods. Planning experiences appropriate to age, interest, and background of the young child; including responsibility for guiding groups of children in preschool situations. Fall odd years.

FACS 2212 EARLY CHILDHOOD CARE & EDUCATIONAL PROGRAM MANAGEMENT. 3 hours. Instruction and observation in the basic principles of group management of infants and preschoolers, guidance in selection of equipment and play materials, time and space management and business management with special emphasis on health and safety, licensing, staffing, program development and general organization. Spring odd years.

FACS 2214 CLOTHING AND CONSUMER BEHAVIOR. 3 hours. A study of the selection of clothing and accessories during various life stages based on aesthetic, economic, psychological, and sociological aspects. Including personal grooming, clothing care, repair and storage. Fall odd years.

FACS 2220 CONSUMER ECONOMICS. 3 hours. Management of personal income in relation to individual needs and desires, investigation of consumer information sources, and current financial and consumer credit problems which the individual or family may have to face. Fall even years.

FACS 2224 TEXTILES FOR CONSUMERS. 3 hours. A study of textile fibers, yarns, and fabrics; their properties and identification. Selection and care of textiles including their use in home furnishings and wearing apparel. Spring odd years.

FACS 2225 PROFESSIONAL DEVELOPMENT. 3 hours. A course designed to equip the student with contemporary etiquette appropriate for business and social situations. Fall odd years.

FACS 2275 HOUSING AND INTERIORS. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. A course designed for the planning, selection, and placing of household furnishings in the home from the artistic, economic, and practical viewpoints. Students will apply design principles in planning furnishings for the home. Spring odd years.

FACS 2279 SPECIAL PROBLEMS IN INTERIORS. 3 hours. Individualized projects in the planning and design of interior spaces. Students will construct design boards and create interior spaces using the principles and elements of design. Spring even years.

FACS 2290 RESIDENTIAL INTERIORS AND FURNISHINGS. 3 hours. An in-depth study of the history of interior environments and the furnishings and accessories used in them. The course also includes the adaptation of period and modern furnishings and architecture to contemporary interiors. Fall odd years.

FACS 2293 INTRODUCTION TO MARRIAGE AND FAMILY. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An introduction to the structure, processes, problems and adjustments of contemporary marriage and family life. Dual listed as SOCI 2293. Fall, Spring.

FINC 3100 BUSINESS FINANCE. 3 hours. Prerequisite: ACCT 2101. Introduction to the principles of financial management as applied to the business or organization including financial analysis, acquisition of

Course Descriptions

funds, capital structure, dividend policy, working capital management, and evaluation and assessment. Spring.

FRSC 1130 SOILS & HERBACEOUS VEGETATION. 3 hours. A study of basic soil properties and their effects on the growth of non-woody plants. Soil classification and use of soil surveys will be related to plant community composition, and wildlife habitat. An introduction to plant taxonomy and family characteristics will provide background for emphasis placed on plants important as wildlife foods, indicator species, and threatened or endangered species. Fall, Spring.

FRSC 1135 NONGAME WILDLIFE. 2 hours. This course is designed to acquaint student with wildlife management directed at species whose value lies in nonconsumptive use. Emphasis will be placed on terrestrial and aquatic species important as indicators, or categorized as threatened or endangered. Fall, Spring.

FRSC 1140 FOREST MEASUREMENTS & MAPPING I. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099. An introduction to the methods of assessing information on forest resources and presenting relevant information in a map format. Basic instruction will include forest inventory techniques, measuring standing trees, log rules and scaling, growth measurement. Mapping will include basic drafting and plotting techniques, acreage determination, constructing cover maps of forest types and wildlife habitat, and map orientation and interpretation. Fall, Spring.

FRSC 1155 MICROCOMPUTERS IN FOREST RESOURCES. 2 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099. An introduction to the use of desktop computers in forestry and wildlife management. Included are basic computer concepts and terminology, use of Windows operating systems, electronic mail, word processing, spreadsheets, and internet resources. Fall, Spring.

FRSC 1160 FOREST SURVEYING. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099. An introduction to surveying which includes surveying terminology, distance and area measurement, coordinate systems, surveying methods and equipment use. Emphasis is placed on use of the hand compass and GPS receivers. Fall, Spring.

FRSC 1170 DENDROLOGY. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An introduction to plant taxonomy and identification. Specific diagnostic features of major forest species will be discussed, with an emphasis on field identification. Fall, Spring.

FRSC 1190 NATURAL RESOURCE CONSERVATION. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An introductory course dealing with renewable natural resources and basic concepts of their management. Soil, water, range, forests, wildlife, and fisheries will be emphasized. Fall, Spring.

FRSC 1192 FOREST WILDLIFE MANAGEMENT. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. An introduction to the basic ecological principles which govern the management of wild animal populations. Emphasis will be placed on those concepts which have given rise to present day management principles. The relationships between wildlife species and other natural forest resources will be presented. Fall, Spring.

FRSC 2225 FOREST MEASUREMENTS I. 2 hours. Prerequisite: MATH 1101 with a "C" or better. Introduction to forest products measurements, log rules, volume/weight tables and equations, measurement of standing trees, timber stand inventory techniques, and measurement of growth. Fall.

FRSC 2230 FOREST ECOLOGY & SOILS. 4 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099; and FRSC 1190 and ENGL 1101 with a "C" or better. This course includes the basic concepts of soil science and forest ecology; soil and vegetation classification; tree variability and diversity; site and climatic influences on tree growth; and the relationship of trees to other organisms. Fall.

FRSC 2235 FOREST SURVEYING & MAPPING. 4 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099; and MATH 1101 with a grade of "C" or better. An introduction to land surveying, map preparation and map interpretation. Topics included are: surveying terminology, distance and area measurement, surveying methods and equipment use (including GPS technology), basic map drafting techniques, coordinate systems, and rectangular systems for land referencing. Fall.

FRSC 2240 FOREST SAFETY. 1 hour. Prerequisite: Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099. This course will provide the student with a general competency in basic first aid, with an understanding of safety guidelines for equipment use and field work, and provide information on the proper handling of hazardous chemicals. Fall, Summer.

FRSC 2243 GEOGRAPHIC INFORMATION SYSTEMS. 4 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099; and FRSC 1155 and FRSC 2235 or FRSC 1160 with a grade of "C" or better. This course includes instruction in the following areas: structure and function of Geographic Information Systems (GIS), map projections and coordinate systems, geographic database editing,