

Course Descriptions

and sprayer calibrations, seeding rate calculations, and integrated computations in turfgrass maintenance will be discussed. Spring.

HORT 4320 MANAGEMENT OF BERMUDAGRASS AND BENTGRASS. 3 hours. Prerequisite: HORT 2231 and HORT 2233. Bermudagrass and bentgrass characteristics, golf green construction and establishment, managing golf greens and athletic fields, bermudagrass winterkill, bentgrass summer stresses, other selected stresses and maladies, chemical usage and programs, and integrated strategies will be discussed. Spring.

HORT 4330 GOLF COURSE CONSTRUCTION, RENOVATION AND GROW-IN. 3 hours. Prerequisite: HORT 2231 and HORT 2233. Management concerns, environmental issues, design interpretation, planting details, agronomic concerns, soil physics and chemistry, as-built plans, cultural practices, erosion and sediment control, cultural program establishment, grow-in specificity and special needs, renovation, and specialized areas of concern will be discussed. Spring.

HORT 4500 EXPERIENTIAL LEARNING II IN GOLF COURSE. 2 hours. Prerequisite: HORT 2233. Advanced experiential learning at the campus golf course (Forest Lakes Golf Club) allowing the student to apply learned technical knowledge and experience "on course" activities related to management of golf courses. If sports turf or commercial turf, then selected sites will be provided. Spring.

HORT 4610 TURFGRASS RESOURCES. 3 hours. Prerequisite: HORT 2233 AND MGMT 2167. Management framework, organizational structure, staffing and directing in human resources, financial management, financial statements, recordkeeping, golf course operations schedule, budgets, leasing and procuring equipment, procuring supplies, investment protection, tournament planning, and sponsorship recruitment. Fall.

HORT 4700 INTERNATIONAL EXPERIENTIAL LEARNING. 3 hours. Prerequisite: Approval by Selection Committee. This course is designed to allow students in the Environmental Horticulture program the opportunity to study, experience and learn in an organized and structured international environment. Critical and rational thinking skills and problem-solving opportunities will be exercised. Students will be accompanied by a college faculty member throughout the tenure of the study which will include both classroom presentations and site observations in turfgrass and grounds applications in this foreign setting. As needed.

HUMN 1100 TOPICS IN THE HUMANITIES. 1 hour. An exploration of issues and ideas related to the study and/or practice of the humanities in the contemporary world. Topics will vary. Fall, Spring.

HUMN 2221 WESTERN WORLD HUMANITIES I. 3 hour. Designed to foster in the student some knowledge and appreciation of literature, music, painting, sculpture, and architecture in the following art periods: Greek, Roman, early Christian, Romanesque, Gothic, and Renaissance. Fall, Spring, Summer.

HUMN 2222 WESTERN WORLD HUMANITIES II. 3 hour. Designed to foster in the student some knowledge and appreciation of literature, music, painting, sculpture, and architecture in the following art periods: Baroque, Rococo, Classic, Romantic, and Twentieth Century. Fall, Spring, Summer.

ISCI 2001 LIFE AND EARTH SCIENCE FOR ELEMENTARY TEACHERS. 3 hours. Prerequisite: PHSC 1011, 1011L and MATH 1101 or 1111 with a grade of "C" or better. This is an Area F science course for early childhood education majors. The learning outcome and topics of the course are intended to focus on central themes in life and earth science. Themes include: Characteristics of life, cells, heredity, biodiversity, interdependence of life, energy flow, earth systems, lithosphere, hydrosphere and biosphere. This is an activity based class with two hours of lecture and two hours of lab integrated together. Fall, Spring and Summer as needed.

ISCI 2002 PHYSICAL SCIENCE FOR ELEMENTARY TEACHERS. 3 hours. Prerequisite: PHSC 1011, 1011L and MATH 1011 or 1111 with a grade of "C" or better. This course is an Area F science course for early childhood education majors. The learning outcomes and topics of the course are intended to focus on central themes in physical science. Themes include: matter, energy, forces, electromagnetic/gravitational fields and astronomy. This is an activity based class with two hours of lecture and two hours of lab integrated together. Fall, Spring and Summer as needed.

ITEC 2215 INTRODUCTION TO INFORMATION TECHNOLOGY. 3 hours. Prerequisite: CISM 2201 with minimum grade of "C" or approval of instructor. This is an introduction to the nature and applications of Information Technology. Students become familiar with the concepts and terminology of IT, including hardware, software, networks, databases, and the Internet. They also study examples of ways in which tools of IT are applied in the workplace. Fall.

ITEC 2220 MICROCOMPUTER HARDWARE AND SOFTWARE CONCEPTS. 3 hours. Prerequisite: A basic knowledge of computer applications. This course will provide coverage of the functions and architecture of computer hardware; operating system functions, installation, and configuration; and extensive hands-on experience in computer set-up, operation and maintenance. A student passing both parts of the A+ Certification Exam may receive credit by exam for this course. Fall.

ITEC 2230 ADVANCED OFFICE APPLICATIONS. 3 hours. Prerequisite: CISM 2201 with a minimum grade of "C". This course is designed to develop a student's advanced word processing skills in the areas of macros, document merging, graphics, and desktop design. Additionally, advanced spreadsheet skills will be covered including data tables, data management, and macros. Focus will be placed on the integration of output from one software program to another. Students passing both expert level MOUS (Microsoft Office User Specialists) exams in Excel 2000 and Word 2000 may receive credit by exam for this course. Spring.

ITEC 2236 INTRODUCTION TO MULTIMEDIA FOR THE WEB. 3 hours. Prerequisite: CISM 2201 with minimum grade of "C". Basic design principles and tools for creating multimedia web sites including coverage of techniques for capturing, editing, storing, and retrieving content for presentation and web delivery of video. Spring.

ITEC 2245 MICROCOMPUTER DATABASE MANAGEMENT. 3 hours. Prerequisite: CISM 2201 with minimum grade of "C". This course will cover the principles and practices in information modeling and database design; methods to analyze information requirements, devise data models, construct schemas and implement models within common database management software; use of DBMS software to create databases, perform queries, produce reports and perform standard maintenance functions. Students passing the MOUS (Microsoft Office User Specialist) exam in Access 2000 may receive credit by exam for this course. Spring.

ITEC 2260 COMPUTER PROGRAMMING I. 3 hours. Prerequisite: CISM 2201 with minimum grade of "C". Students learn to write modular, well-documented programs. Topics begin with an overview of problem-solving methods, algorithms, modules, program flow, flowcharting, pseudo-code, and documentation. This is followed by instruction in data types and basic control structures, including loops, conditionals, arrays, subroutines, files, and records. Weekly programming assignments employ these features as they are introduced. Fall.

ITEC 2261 WEB APPLICATIONS DEVELOPMENT. 3 hours. Prerequisite: CISM 2201 with minimum grade of "C". This course is a survey of techniques and tools for developing Web-based information processing applications; page description languages, scripting languages, data structuring languages, file and database access methods and other technologies for creating dynamic, data-driven web sites. Fall.

ITEC 2370 COMPUTER PROGRAMMING II. 3 hours. Prerequisite: ITEC 2260 with a minimum grade of "C". This course introduces advanced Visual Basic controls and programming techniques that are used in developing high-level windows applications. Topics include: advanced database handling; data validation routines; error handling procedures; keyboard events; developing menus, toolbars, and status bars; drag and drop events; graphics and animation handling; ActiveX controls; dynamic link libraries (DLL); object linking and embedding (OLE); and object oriented (OO) techniques.

JRNL 1100A, JOURNALISM SEMINAR. 1 hour. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. Practical application and study of journalistic techniques in the production and operation of student literacy magazine Pegasus. The equivalent of at least twenty internship-oriented hours must be logged by the student each semester. Fall, Spring.

JRNL 1100B, JOURNALISM SEMINAR. 1 hour. Practical application and study of journalistic techniques in production work with ABAC's student radio station, WPLH 103.1 FM. The equivalent of twenty internship-oriented hours must be logged by the student each semester. Fall, Spring.

JRNL 1100C, NEWSPAPER PRACTICUM. 1 hour. Prerequisite: By instructor approval, and exemption from or successful completion of READ 0099 and ENGL 0099. Practical application and study of journalistic techniques in the production and operation of student newspaper The Stallion. The equivalent of at least twenty internship-oriented hours must be logged by the student each semester. Fall, Spring.

JRNL 1101 INTRODUCTION TO MASS MEDIA. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. This course will cover the history, theory, technologies and practices associated with the mass media industries of the print media (newspaper, books, and magazines), the electronic media (movies, television, radio, Internet and cable and the services that are interconnected to the mass media (public relations and advertising). The course will examine the impact these media have upon society and the impact society has upon them, and will explore the ethical and legal issues that impact modern media. Fall.

JRNL 2101 MEDIA, CULTURE AND SOCIETY. 3 hours. Prerequisite: JRNL 1101 with a grade of "C" or better, or instructor approval. A review of the ways in which mass media has transformed individuals, politics, and society. This course will assess current debate over the role of the media in society and emphasize the arguments and strategies of argument. Using both current and classic examples regarding ethical considerations arising from the connection between media and culture, students will also learn strategies used in decision-making. Fall.

JRNL 2510 NEWS WRITING AND REPORTING. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. Co-requisite: ENGL 1101 (or previous successful completion with a grade of "C" or better). A study and practical application of basic news reporting, writing, editing,

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photojournalism, and design techniques for the print media. Spring.

MATH 0091 MATHEMATICS FOR NURSING. 1 hour. A study of fractions, decimals, metric and U.S. measures, ratio and proportion, and percentages. Required of a Nursing major scoring below an established cut-off score on the pre-algebra placement exam. MATH 0091 is the course that prepares a student for PNUR 1104. Fall, Spring, Summer.

MATH 0097 BEGINNING ALGEBRA. 4 hours. Emphasis is placed on those topics of beginning algebra and the fundamentals of basic algebra. Required of a student scoring below an established cut-off score on the placement exam. Fall, Spring, Summer

MATH 0099 INTRODUCTORY ALGEBRA. 4 hours. Prerequisite: MATH 0097 with a grade of "C" or better, or a satisfactory score on the MATH 0097 exemption test. A short review of beginning algebra followed by additional algebra topics including real number operations on algebraic expressions, algebraic fractions, exponents and radicals, graphing equalities and inequalities. Fall, Spring, Summer.

MATH 1101 MATHEMATICAL MODELING. 3 hours. Prerequisite: Exemption from or successful completion of MATH 0099 and READ 0099. This course is an introduction to mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. Emphasis is on the use of elementary functions to investigate and analyze applied problems and questions, supported by the use of appropriate technology, and on effective communication of quantitative concepts and results. Fall, Spring, Summer as needed.

MATH 1111 COLLEGE ALGEBRA. 3 hours. Prerequisite: Exemption from or successful completion of MATH 0099 and READ 0099. Three hours of lecture each week. This course is a functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of linear, quadratic, piece-wise defined, rational, polynomial, exponential and logarithmic functions, their graphs and applications. Fall, Spring, Summer.

MATH 1112 TRIGONOMETRY. 3 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and MATH 1111 with a grade of C or better or exemption from MATH 1111. Three hours of lecture each week. A study of the trigonometric functions and their inverses, further study of complex numbers. Fall, Spring, Summer as needed.

MATH 1113 PRE-CALCULUS MATHEMATICS. 4 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and High School Trigonometry and MATH 1111 exemption; or High School Trigonometry and MATH 1111 with a grade of "C" or better; or score on placement test. This course is designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic and transcendental functions and analytic geometry. Fall, Spring.

MATH 2000 STATISTICS. 3 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and MATH 1101 or MATH 1111 with a grade of "C" or better or exemption. Three hours of lecture each week. An introduction to basic descriptive and inferential statistics. Includes measures of central tendency, variability and position; statistical graphs including the stem and leaf plot, box plot, dot plot, frequency polygon, histogram, circle graph, and ogive; confidence intervals, hypothesis testing, and other applications involving the binomial, normal, t, chi-square, and F-distributions; and correlation and regression analysis. The emphasis is on applications rather than on mathematical theory, and both calculator and computer techniques will be stressed. Fall, Spring, Summer as needed.

MATH 2003 APPLIED CALCULUS. 3 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and MATH 1111 with a grade of C or better or exemption from college algebra. Three hours of lecture each week. An overview of analytical geometry and an introduction to calculus with application to problems in business, economics, and social science. Among topics included are analysis and applications of linear and polynomial functions, analysis and applications of differentiation, and analysis and applications of exponential and logarithmic functions. The course is designed for business majors and is not acceptable for science or mathematics majors. Spring.

MATH 2008 FOUNDATIONS OF NUMBERS AND OPERATIONS. 3 hours. Prerequisite: Minimum grade of "C" or better in either MATH 1101, 1111, or 1113. This course is an Area F introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of numbers and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics. Credit for this course is excluded from Area D of the Core Curriculum, and excluded from any Career Technological degree program. Fall, Spring, Summer.

MATH 2053 CALCULUS I. 4 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and MATH 1112 or MATH 1113 with a grade of C or better, or score on placement test. Four hours of lecture/demonstration each week. A first course in the techniques and theory of the calculus. Topics include: limits, continuity, differentiation and integration, applications of the derivative and the integral. Fall, Spring, Summer as needed.

MATH 2054 CALCULUS II. 4 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and MATH 2053 with a grade of C or better. Four hours of lecture/demonstration each week. Topics

include further study of applications of derivative and integral, transcendental functions, polar coordinates, conic sections, infinite series. Fall, Spring.

MATH 2055 CALCULUS III. 4 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and MATH 2054 with a grade of C or better. Four hours of lecture/demonstration each week. Topics in real-valued functions of several variables, including vector calculus, three-dimensional analytic geometry, partial differentiation, elementary linear algebra, vector spaces, three dimensional geometry, multiple integration and applications. Spring.

MATH 2208 INTRODUCTION TO LINEAR ALGEBRA. 3 hours. Prerequisite: Exemption from or successful completion of MATH 0099; and Minimum grade of 'C' in MATH 2053 or MATH 2003 or exemption. Three hours of lecture each week. Study of systems in linear equations, matrices, determinant, linear transformations, vector spaces, least squares, and eigenvectors and eigenvalues. Spring.

MGMT 2165 FUNDAMENTALS OF MANAGEMENT. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. This course is designed to give a student the knowledge of the applied management techniques, practices, and principles that are universally accepted in contemporary business. Emphasis is placed on the decision-making process and to solve management problems of planning, organizing, staffing, directing and controlling. As needed.

MGMT 2166 SMALL BUSINESS MANAGEMENT. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099. A study of various small business patterns designed to acquaint students with the problems and procedures of starting a business venture. Strong emphasis will be placed on entrepreneurial opportunities and new venture processes, as well as coverage of managerial activities needed for successful operation of small firms. As needed.

MGMT 2167 HUMAN RESOURCE MANAGEMENT. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. Includes an introduction to the nature of employer/employee relationships, a study of contemporary human relations techniques employed by business managers, as well as a survey of the primary functions of personnel administration including recruiting, selection, interviewing, training, testing, and supervision. As needed.

MGMT 3670 HUMAN RESOURCE MANAGEMENT. 3 hours. Prerequisite: ACCT 2101. The recruitment, selection, development, utilization, and maintenance of human resources by organizations. Traditional management, total quality management, service management, human resource management focusing on designing, planning, scheduling, executing, controlling, and assessing personnel will be discussed. Formerly course number MGMT 4167. Fall odd years.

MGMT 4260 SMALL BUSINESS MANAGEMENT. 3 hours. Prerequisite: ACCT 2101. Entrepreneurship and service sector performance and methods designed to improve service sector competitiveness. The service operations management decisions in service business in relation to productivity, quality, work force management, location, capacity, and the effect of new technologies will be discussed. Formerly course number MGMT 4166. Spring even years.

MKTG 2175 PRINCIPLES OF MARKETING. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. Principles and methods involved in the movement of goods and services from producer to consumer. Market institutions and functions are discussed. Special attention to problems encountered in managing the Marketing Mix. As needed.

MKTG 2176 ADVERTISING AND SALES PROMOTION. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. Designed to acquaint the student with all phases of sales promotion, advertising, display, direct mail, radio, and TV. Actual practice in developing material in accordance with modern technique. As needed.

MKTG 2177 PERSONAL SELLING. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099. Designed to develop persuasive oral communication skills and their practical application to the basic principles of selling. The study of product information and its presentation, determination of customer needs, buying motives, customer analysis, opportunities in selling and personality requirements of salespeople. As needed.

MKTG 3800 PRINCIPLES OF MARKETING. 3 hours. Prerequisite: AECO 2258 or ECON 2106. The ways organizations satisfy consumer and organizational needs and wants for products and services. Markets; buyer behavior; marketing research; segmenting, targeting, and positioning; and product, place, price, and promotional strategies. Concepts, strategies, applications, and marketing methods used to generate revenues in domestic and global settings. Spring odd years.

MUSC 1000 KEYBOARDS NON-MAJOR. 2 hours. Basic, progressive instruction in keyboarding instruments. Designed for a student not majoring in music and who may not take MUSC 1001. Fall, Spring.

MUSC 1001 KEYBOARDS MUSIC MAJORS ONLY. 2 hours. Basic, progressive instruction in keyboard instruments. Fall, Spring.

MUSC 1100 MUSIC APPRECIATION. 3 hours. Prerequisite: Exemption from or successful completion of

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READ 0099 and ENGL 0099. An introduction into the basics of music and a study of masterpieces of music literature, as well as a brief overview of the history of music. This course is designed for those individuals who have little background or basic knowledge of music. Fall, Spring, Summer.

MUSC 1134 ELEMENTARY MUSIC THEORY. 2 hours. Prerequisite: Exemption from or successful completion of MATH 0099. Pitch, meters, scales, modes, keys, intervals, triads and seventh chords, elementary diatonic harmony, composition of melody and bass lines; melodic and rhythmic dictation and solfeggio; elementary keyboard skills. Students should already be proficient at reading music. Three lectures and two ear training/keyboard labs per week. Fall.

MUSC 1135 ELEMENTARY MUSIC THEORY. 2 hours. Prerequisite: MUSC 1134. Continuation of written harmony through extended alteration of tertian harmony and modulation, secondary dominants; analysis and composition of simple musical forms; continuation of dictation, solfeggio, and keyboard harmony. Three lectures and two ear training/keyboard labs per week. Spring.

MUSC 1181 A, B APPLIED MUSIC. 1 hour. One 30-minute lesson a week in piano, organ, other instrument or voice. Designed for a music major taking a secondary applied. Fall, Spring.

MUSC 1182 A, B APPLIED MUSIC. 2 hours. One 50-minute lesson a week in piano, organ, other instrument or voice. Designed for a music major taking a principal applied. For a music major only. Fall, Spring.

MUSC 2234 ADVANCED MUSIC THEORY. 2 hours. 2 lab hours per week. Prerequisite: MUSC 1100. Melodic and harmonic material, analysis of small forms (binary and ternary) with harmonic analysis involving primary and secondary chords and including chromaticism and modulation; altered chords and their functions. The Music computer lab consists of ear-training, melodic and rhythmic dictation, sight-singing and basic keyboard harmony. Required of all students majoring in music. Three lectures and two ear training/keyboard labs per week. Fall.

MUSC 2235 ADVANCED MUSIC THEORY. 2 hours. Neapolitan and augmented chords, chromatic chord forms (chromatic mediant, altered dominant, and borrowed chords), advanced modulation, advanced form (rondo and sonata-allegro), contemporary techniques, including extended chords, quartal and secondary harmony, twelve-tone rhythmic devices, sight-singing, eartraining, keyboard harmony, and analysis. Continuation of creative work. Spring.

MUSC 2080 CONCERT BAND. 1 hour. Open to any student who has been a member of a junior or senior high school band. Fall, Spring.

MUSC 2281 A, B, C, D, E, F APPLIED MUSIC. 1 hour. One 30-minute lesson a week in piano, organ, other instrument or voice. Designed for a music major taking a secondary applied. Fall, Spring.

MUSC 2282 A, B, C, D, E, F APPLIED MUSIC. 2 hours. One 50-minute lesson a week in piano, organ, other instrument or voice. Designed for a music major taking a principal applied. For a music major only. Fall, Spring.

MUSC 2287 JAZZ CHOIR. 1 hour. Open to any student who is a member of the chorus and who can qualify. Fall, Spring.

MUSC 2090 CONCERT CHOIR. 1 hour. Open to any student who has been a member of a school or church choir. Fall, Spring.

MUSC 2290 JAZZ ENSEMBLE. 1 hour. Open to any student who is a member of the concert band and who can qualify. Gives a student the opportunity to experience all types of jazz musical styles (blues, swing, rock, and improvisation) through the actual playing of instruments in a small ensemble. Audition required. Fall, Spring.

MUSC 2291 SMALL GROUP ENSEMBLE. 1 hour. Open to any student who can sing or suitably play a musical instrument. Audition Required. Fall, Spring.

MUSC 3400 THE BLUES AND AFRICAN AMERICAN TRADITION. 3 hours. Proposed Course. A lecture course focusing on a study of the development of American blues music, with particular attention to the rural roots of the genre. Possible topics include Delta Blues, W.C. Handy, Robert Johnson, Blues mythology.

MUSC 4400 MUSIC OF THE APPALACHIANS. 3 hours. Proposed Course. A lecture course exploring the rich tradition of bluegrass and country music. The course focuses on the development of this music, taking into account its various genres and guises, its genesis and history, and its contemporary development. Attention also will be paid to the Irish/Celtic underpinnings of the music.

NURS 1108 NURSING I- FUNDAMENTALS. 6 hours. Co-requisite: NURS 1109. This course is a study of the concepts and psychomotor skills that provide the foundation for nursing theory and practice. A major focus is on the utilization of the nursing process to care for clients from young adulthood through later maturity who require assistance in meeting physiological and psychosocial needs. Lecture/Lab/Clinical (4-2-4). Fall, Spring

NURS 1109 NURSING II- HEALTH & PHYSICAL ASSESSMENT. 3 hours. Co-requisite: NURS 1108. This course is a study of the basic skills that provide the foundation for nursing assessment. The major focus of this course is on physical assessment of all body systems. Nutritional and psychosocial assessment is included. Lecture/Lab (3-1-0). Fall, Spring.

NURS 1110 NURSING III- MEDICAL/SURGICAL ONE. 6 hours. Prerequisite: NURS 1108 & 1109 with a C or better. Co-requisite: BIOL 2012 & BIOL 2012 L. This course is a study of the perioperative client and clients with gastrointestinal, musculoskeletal, respiratory, cardiovascular, immunological, neurological, and psychosocial dysfunctions. The major focus of this course is on utilization of the nursing process to care for clients experiencing these dysfunctions. Lecture/Lab/Clinical (4-1-5). Fall, Spring.

NURS 1113 NURSING IV- HEALTH PROMOTION AND DISEASE PREVENTION THROUGH THE LIFESPAN. 2 hours. Prerequisite: 1108 & 1109 with a c or better. Co-requisite: NURS 1110, BIOL 2012 & BIOL 2012L. The nursing process is utilized to address health promotion and disease prevention for all ages and population groups – individuals, families and communities. Normal growth and development as well as specific problems and health promotion issues common to each stage is discussed. Lecture (2-0-0). Fall, Spring.

NURS 2207 NURSING V- MEDICAL/SURGICAL TWO. 6 hours. Prerequisite: NURS 1110, NURS 1113 & BIOL 2050/BIOL 2050L with a C or better. Co-requisite: NURS 2208. This course is a study of clients with cardiovascular, endocrine, gastrointestinal, genitourinary, immunological, neurological, and psychosocial dysfunctions. The major focus of this course is on utilization of the nursing process to care for clients experiencing these dysfunctions. Lecture/Clinical (4-0-6). Fall, Spring.

NURS 2208 NURSING VI- MATERNAL-CHILD & WOMEN'S HEALTH. 4 hours. Prerequisite: NURS 1110, NURS 1113 & BIOL 2050/BIOL 2050L with a C or better. Co-requisite: NURS 2207. This course is a study of female clients from adolescence through later maturity and newborn infants. The major focus of this course is on utilization of the nursing process to care for maternity clients, newborn infants and clients experiencing dysfunctions specific to females. Lecture/Clinical (3-0-3). Fall, Spring.

NURS 2209 NURSING VII- PEDIATRICS. 4 hours. Prerequisite: NURS 2207 & 2208 with a C or better. Co-requisite NURS 2210 & NURS 2211. This course is a study of the nursing care of culturally diverse pediatric clients from infancy through adolescence with an emphasis upon wellness and dysfunctions. The major focus of this course is on the utilization of the nursing process to meet the wellness, physiological, and psychosocial needs of pediatric clients. Lecture/Clinical (3-0-3). Fall, Spring.

NURS 2210 NURSING VIII- MEDICAL/SURGICAL THREE. 4 hours. Prerequisite: NURS 2207 & 2208 with a C or better. Co-requisite: NURS 2209 & 2211. This course is a study of clients with cardiovascular, endocrine, genitourinary, immunological, neurological, integumentary, musculoskeletal, respiratory, and psychosocial dysfunctions. The major focus of this course is on utilization of the nursing process to care for clients experiencing complex and/or multiple dysfunctions. Lecture/Clinical (3-0-3). Fall, Spring.

NURS 2211 NURSING IX- ENTRY INTO PROFESSIONAL PRACTICE. 3 hours. Prerequisites: NURS 2207 & 2208 with a C or better. Co-requisite: NURS 2209 & 2210. This course is a study of the leadership and management component of registered nursing. The student learns to synthesize and apply previously learned theories and principles to client situations involving a variety of ages, cultures and situations. The leadership/manager role of the registered nurse is addressed. Employability skills are discussed. Lecture/Clinical (2-0-3). Fall, Spring.

NURS 1109B NURSING I- HEALTH & PHYSICAL ASSESSMENT. 3 hours. Co-requisite: NURS 1115B. A study of the basic skills that provide the foundation for nursing assessment. The major focus of this course is on physical assessment of all body systems. Nutritional, psychosocial and community assessment are included. Labs build on students' prior knowledge and experience of physical assessment. Lecture/Lab (3-1-0). Summer.

NURS 1115B NURSING II- TRANSITION TO ASSOCIATE DEGREE NURSING. 3 hours. Co-requisite: NURS 1109B. The major focus of this course is on role transition and selected concepts from nursing courses offered during the first year of nursing. It fosters matriculation into the second year of the Associate in Science in Nursing Program. The clinical and skills lab experience builds on prior healthcare experience and involves a community project. Lecture/Lab/Clinical (3-1-2). Summer.

NURS 2207B NURSING III- MEDICAL/SURGICAL TWO. 6 hours. Prerequisite: NURS 1109B, NURS 1115B & BIOL 2050/BIOL 2050L with a C or better. Co-requisite: NURS 2208B. This course is a study of clients with cardiovascular, endocrine, genitourinary, immunological, neurological, and psychosocial dysfunctions. The major focus of this course is on utilization of the nursing process to care for clients experiencing these dysfunctions. Clinical activities build on prior healthcare experience and incorporate a community project follow-up. Lecture/Lab (4-0-6). Fall.

NURS 2208B NURSING IV- MATERNAL-CHILD & WOMEN'S HEALTH. 4 hours. Prerequisite: NURS 1109B, NURS 1115B & BIOL 2050/BIOL 2050L with a C or better. Co-requisite: NURS 2207B. This course is a study of female clients from adolescence through later maturity and newborn infants. The major focus of

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this course is on utilization of the nursing process to care for maternity clients, newborn infants and clients experiencing dysfunctions specific to females. A project involving cultural implications is included. Lecture/Lab (3-0-3). Fall.

NURS 2209B NURSING V- PEDIATRICS. 4 hours. Prerequisite: NURS 2207B & 2208B with a C or better. Co-requisite NURS 2210B & 2211B. This course is a study of the nursing care of culturally diverse pediatric clients from infancy through adolescence with an emphasis upon wellness and dysfunctions. The major focus of this course is on the utilization of the nursing process to meet the wellness, physiological, and psychosocial needs of pediatric clients. Clinical experience incorporates preceptorships along with instructor guided activities. Lecture/Clinical (3-0-3). Spring.

NURS 2210B NURSING VI- MEDICAL/SURGICAL THREE. 4 hours. Prerequisite: NURS 2207B & 2208B with a C or better. Co-requisite: NURS 2209B & 2211B. This course is a study of clients with cardiovascular, endocrine, genitourinary, immunological, neurological, integumentary, musculoskeletal, respiratory, and psychosocial dysfunctions. The major focus of this course is on utilization of the nursing process to care for clients experiencing complex and/or multiple dysfunctions. Clinical experience incorporates preceptor experiences and includes evaluation of community project. Lecture/Clinical (3-0-3). Fall, Spring.

NURS 2211B NURSING VII- ENTRY INTO PROFESSIONAL PRACTICE. 3 hours. Prerequisite: NURS 2207B & 2208B. Co-requisite: NURS 2209B & 2210B. This course is a study of the leadership and management component of registered nursing. The student learns to synthesize and apply previously learned theories and principles to client situations involving a variety of ages, cultures and situations. The leadership/manager role of the registered nurse is addressed. Employability skills are discussed. Clinical builds on prior health care experience. Lecture/Clinical (2-0-3). Fall, Spring.

PHED 1000 ADAPTIVE PHYSICAL EDUCATION I. 1 hour. Medical release and physician's verification of physical limitations are required. The course includes screening and assessment to provide individualized programming. The needs of the student will be used to establish a personalized training program. As needed.

PHED 1001 ADAPTIVE PHYSICAL EDUCATION II. 1 hour. Medical release and physician's verification of physical limitations are required. This course is a continuation of Adaptive Physical Education I. As needed.

PHED 1100 HEALTH & WELLNESS. 2 hours. Designed to provide the student with knowledge of current health problems including physical fitness, nutrition, major diseases, and to encourage application of this knowledge for healthful living. Fall, Spring, and Summer.

PHED 1104 TENNIS. 1 hour. A beginning course designed to teach the basic fundamentals of tennis. Rules and strategy will be emphasized. Students are required to furnish their own tennis rackets. Fall, Spring, Summer.

PHED 1106 VOLLEYBALL. 1 hour. Designed to teach the basic skills, strategy and rules. Skills include the different volleys, serving, spiking and blocking. Spring.

PHED 1115 AEROBICS. 1 hour. A course designed to develop cardio-respiratory fitness, muscle strength, muscle endurance, and flexibility through the use of various modes of exercise. As available.

PHED 1120 CHALLENGE COURSE. 1 hour. A class designed to enhance the student's physical fitness through participation in but not limited to cardio games, group initiatives, and individual challenges. Students will develop a game portfolio and make a group initiative. This course is highly recommended for Education majors. Fall.

PHED 1121 YOGA I. 1 hour. A course designed to increase stamina and flexibility and reduce stress through instruction in the various styles and techniques of yoga. As available.

PHED 1122 YOGA II. 1 hour. Prerequisite: PHED 1121 with a grade of C or better. A continuation of Yoga I with the addition of more challenging asanas (poses), pranayama (breathing), meditation and relaxation techniques and more indepth study into the history and philosophy of yoga. As available.

PHED 1123 FITNESS FOR LIFE WEIGHT TRAINING. 1 hour. A course designed for a student interested in improving strength, power, and physical fitness by the use of free weights and weight machines. Fall, Spring, Summer.

PHED 1124 FITNESS FOR LIFE JOGGING. 1 hour. A class designed for the development of skills and strategy in jogging. The student will participate in an exercise program designed to improve cardio respiratory endurance as well as learning basic principles and mechanics. THIS IS NOT A WALKING CLASS. Spring.

PHED 1125 FITNESS FOR LIFE WALKING. 1 hour. A class designed to provide instruction and skill development in fitness walking. The primary focus of the class will be on the enhancement of cardiorespiratory fitness, muscular endurance, and flexibility. Fall, Spring.

PHED 1126 FITNESS FOR LIFE PERSONAL CONDITIONING. 1 hour. A fitness class designed to improve cardiorespiratory fitness, muscular endurance, muscular strength and flexibility through endurance

exercise, resistance training, and stretching. Fall, Spring.

PHED 1130 FITNESS FOR LIFE WATER AEROBICS. 1 hour. A water aerobics class which enhances fitness levels through jogging, calisthenics, and resistance training. Session A Fall.

PHED 1135 RECREATIONAL GAMES. 1 hour. A course designed to enhance the student's physical fitness through participation in various recreational games and sports, such as soccer, team handball, volleyball, and horseshoes. Fall, Spring.

PHED 1137 FITNESS FOR LIFE SWIMMING. 1 hour. This class encompasses instruction in the crawls, side strokes, elementary back stroke, breast stroke, and basic safety and rescue skills. This course is not for the non-swimmer. Session A Fall, Summer.

PHED 1139 GOLF II. 1 hour. Intermediate Golf. Prerequisite: PHED 1141 with a grade of B or better or a 15 or less handicap. A course designed to help a student apply the basic skills learned in PHED 1141 for successful scoring and employment of the game. Further concentration in understanding rules and etiquette will be emphasized. Class is held at Forest Lakes Golf Course. *Students must provide their own transportation to and from the course.* As available.

PHED 1140 BADMINTON. 1 hour. A beginning course designed to teach the basic fundamentals of badminton. Rules and strategy will be emphasized. Students are required to furnish their own badminton rackets. Spring.

PHED 1141 GOLF I. 1 hour. A course which covers basic fundamental skills in golf. Its purpose is to provide each student with a working knowledge of the game. Lecture classes will cover terminology, rules and etiquette. Practical classes will include driving, chipping and putting. Class is held at Forest Lakes Golf Course. *Students must provide their own transportation to and from the course.* As available.

PHED 1145 FRISBEE SPORTS. 1 hour. A class designed to provide the student with basic knowledge of rules, techniques, and strategies of various Frisbee activities and games. Fall, Spring.

PHED 1150 COUNTRY/WESTERN LINE DANCE I. 1 hour. Designed to impart knowledge and skill in country/western line dancing. Classes cover terminology and movements used in various line dances. Fall.

PHED 1151 COUNTRY/WESTERN LINE DANCE II. 1 hour. Prerequisite: PHED 1150 Country/Western Line Dance I with a 'C' or better. Classes cover terminology and movements used in various line dances. As available.

PHED 1155 SOCCER. 1 hour. Designed to provide the student with a working knowledge of soccer through physical conditioning, skill development, and the development of competitive strategies. Spring.

PHED 1160 BOWLING. 1 hour. A course designed for students interested in developing the basic fundamentals of bowling. Skill instruction will cover approach and delivery, strikes, and spares. Classroom instruction will cover scoring and rules. Classes meet at the Tift County Lanes. Students must provide their own transportation to and from the lanes. **Additional fee required.** Fall, Spring.

PHED 1170 FIELD EXPERIENCE. 1 hour. Practical experience through shadowing an ABAC physical education instructor. Students are required to teach a lesson and keep a daily journal of class activities. FOR PHYSICAL EDUCATION MAJORS ONLY. *Registration for this class is done in the HPER Division Office.* Fall, Spring.

PHED 1175 FIRST AID AND CPR. 2 hours. A course designed to teach the skills needed to respond in respiratory and cardiac emergencies, to reduce pain, and to minimize the consequences of injury or sudden illness until professional help arrives. This course satisfies one of the two physical education activity requirements. As available.

PHED 1180 VARSITY SPORTS I. A course restricted to Varsity Athletes only in their sport of participation. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at the upper collegiate level. *Registration for this class is completed by the coach.* Fall, Spring.

PHED 1190 VARSITY SPORTS II. A continuation of Varsity Sports I. A course restricted to Varsity Athletes only in their sport of participation. Student athletes practice daily during the season. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at the upper collegiate level. *Registration for this class is completed by the coach.* Fall, Spring.

PHSC 1011 PHYSICAL SCIENCE I. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099; and MATH 1101 or 1111 with a grade of C or higher or exemption. Co-requisite: PHSC 1011L. Three hours of lecture each week. A survey course dealing with elementary fundamentals of physical science, especially physics, with some study of the simpler applications. Fall and Summer as needed.

Course Descriptions

PHSC 1011L PHYSICAL SCIENCE I LABORATORY. 1 hour. One two-hour laboratory period each week to accompany PHSC 1011. Fall and Summer as needed.

PHSC 1012 PHYSICAL SCIENCE II. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099 and MATH 0099. Co-requisite: MATH 1101 or 1111; PHSC 1012L. Three hours of lecture each week. A survey course in which chemistry is used to investigate selected topics of current interest, including global warming, ozone depletion, and air and water pollution. The chemistry is introduced on a need to know basis. Emphasis will be placed upon how chemistry impacts everyday life. Spring, Summer as needed.

PHSC 1012L PHYSICAL SCIENCE II LABORATORY. 1 hour. One three-hour laboratory period each week to accompany PHSC 1012. Spring, Summer as needed.

PHYS 1111 INTRODUCTORY PHYSICS I. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099. Co-requisite: PHYS 1111L. Prerequisite: MATH 1112 or MATH 1113 with a grade of C or higher. Three hours of lecture and one hour of recitation each week. An introductory course which will include material from mechanics, thermodynamics, and waves. Elementary algebra and trigonometry will be used. Fall and Summer as needed.

PHYS 1111L INTRODUCTORY PHYSICS I LABORATORY. 1 hour. One three-hour laboratory period each week to accompany PHYS 1111. Fall and Summer as needed.

PHYS 1112 INTRODUCTORY PHYSICS II. 3 hours. Co-requisite: PHYS 1112L. Prerequisite: PHYS 1111 AND PHYS 1111L with a grade of C or higher. Three hours of lecture and one hour of recitation each week. An introductory course which will include material from electromagnetism, optics, and modern physics. Elementary algebra and trigonometry will be used. Spring.

PHYS 1112L INTRODUCTORY PHYSICS II LABORATORY. 1 hour. One three-hour laboratory period each week to accompany PHYS 1112. Spring.

PHYS 2211 PRINCIPLES OF PHYSICS I. 3 hours. Prerequisite: Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099; MATH 2053 with a grade of C or higher. Co-requisite: PHYS 2211L. Three hours of lecture and one hour of recitation each week. An introductory course which will include material from mechanics, thermodynamics, and waves. Elementary differential calculus will be used. Fall.

PHYS 2211L PRINCIPLES OF PHYSICS I LABORATORY. 1 hour. One three-hour laboratory period each week to accompany PHYS 2211. Fall

PHYS 2212 PRINCIPLES OF PHYSICS II. 3 hours. Co-requisite: PHYS 2212L. Prerequisite: PHYS 2211 and PHYS 2211L with a grade of C or higher. Three hours of lecture and one hour of recitation each week. An introductory course which will include material from electromagnetism, optics, and modern physics. Elementary differential and integral calculus will be used. Spring.

PHYS 2212L PRINCIPLES OF PHYSICS II LABORATORY. 1 hour. One three-hour laboratory period each week to accompany PHYS 2212. Spring.

PNUR 1104 PHARMACOLOGY FOR HEALTH PROFESSIONS. 2 hours. Prerequisite: Exemption from or successful completion of MATH 0090. A study of the concepts that promote the administration of medication with concern for safety and precision. Incorporated into this course are major principles of mathematics including fractions, decimals, conversions between the various systems of weights and measures, and the use of ratio and proportion. Foundations of pharmacology, drug action at the physiology level, and drug preparation and administration to culturally diverse clients throughout the lifespan is included. Fall, Spring & Summer as needed.

PNUR 1106 PERSPECTIVES IN WOMEN'S HEALTHCARE. 2 hours. Prerequisite: Exemption from or successful completion of READ 0099 and ENGL 0099. A study of the evolution of healthcare related to women's needs. Includes current trends and issues appropriate to social, cultural, and political implications.

PNUR 1108 CULTURAL DIVERSITY IN HEALTH AND ILLNESS. 2 hours. A study of the dimensions and complexities involved in perceptions and health care issues of diverse cultural backgrounds. Cultural phenomena affecting an individual's perception of time, space, communication, social organization, biological variations and environmental controls relative to health and health care issues will be discussed. Fall, Spring.

PNUR 1911 CONCEPTS ENRICHMENT. 2 hours. Prerequisite: NURS 1108 and NURS 1109 with a grade of "C" or better. This course is designed to assist the student to master critical concepts taught in the first two semesters of nursing. Health and physical assessment, health promotion, growth and development, basic nutrition and diet therapy, diagnostic studies, nursing fundamentals and style exam questions and computer assisted tutorials. Fall, Spring.

PNUR 1912 COMPREHENSIVE CONCEPT ENRICHMENT INDEPENDENT STUDY. 4 hours. Prerequisite: NURS