

**The Uniform Course Numbering System in Mississippi Public Community and Junior Colleges is used to articulate courses work that students take from these Community/Junior Colleges to Delta State University.**

**A review has been made by the Department Chairs at Delta State and the following information is the response on how these courses will be posted on the DSU transcripts.**

**\*Courses may transfer as 300-number courses, but cannot be used in computing the total number of 300-level junior/senior courses needed for a degree program.**

**The first course prefix and number is the transfer course and the course prefix and number after the slash will be the DSU equivalent.**

**Courses that articulate as a SUBJECT AREAXXX or GENXXX do not have a DSU course equivalent and will be counted in degree programs by the respective colleges/school.**

**SUBJECT AREA 1XX = 100 subject level elective**

**SUBJECT AREA 2XX = 200 subject level elective**

**SUBJECT AREA 3XX = 300 subject level elective**

**A Uniform Course Numbering System IN MISSISSIPPI PUBLIC COMMUNITY & JUNIOR COLLEGES 1996 - 1997**

**SEVENTH EDITION**

**STATE BOARD FOR COMMUNITY & JUNIOR COLLEGES**

**3825 Ridgewood Road**

**Jackson, MS 39211**

**601/982-6518**

## **ACCOUNTING**

**ACC 1114 SECRETARIAL ACCOUNTING / ACC XXX**--Fundamentals of accounting and their application to various types of business as to ownership, organization, and functions. ACC 1114 includes the full accounting cycle for double--entry accounting. The major purpose is to provide a basic accounting knowledge for prospective office workers. (See Note)

**ACC 1213 PRINCIPLES OF ACCOUNTING I / ACC 220**--A study of the elementary accounting principles as applied to the various forms of business organizations, and an introduction to specialized fields of accounting.

**ACC 1221 ACCOUNTING PRACTICE CASE / ACC XXX**--Cost accounting principles and techniques as applies to both job order and continuous process types of industry. The determination of unit costs and the preparation of cost reports are emphasized throughout the course. (See Note)

**ACC 1223 PRINCIPLES OF ACCOUNTING II / ACC 230**--A continuation of

ACC 1213. Prerequisite: Accounting 1213.

**ACC 2113/ ACC 220 - Introduction to Financial Accounting** -- Designed to give a basic understanding of the financial accounting process. Emphasis is placed on required - course is designed for transfer to universities not requiring Principles of Accounting I and II.

## **AGRICULTURE /(*GEN XXX*)**

**AGR 1111 AGRICULTURAL SURVEY**--An introductory course covering the general functions, organization, and operation of the agricultural in both national and international. (See Note)

**AGR 1214 ANIMAL SCIENCE**--Fundamental principles and practical application of livestock, dairy, and poultry science.

**AGR 1313 PLANT SCIENCE**--Scientific principles as the basis for practice in producing, handling, processing, marketing, and utilizing agronomic and horticultural crops.

**AGR 1413 FARM MACHINERY**--This a study of the selection, operation, adjustment, maintenance, and repair of the different types of farm machinery; including the use of both acetylene and Electric welding equipment. (See Note)

**AGR 1523 INTRODUCTION TO FORESTRY**--The history and development of forestry in the United States. Introduction to career opportunities and to the field of forestry. (See Note)

**AGR 1812 WESTERN EQUITATION**--Principles of horsemanship and management and training of western pleasure horses.

**AGR 2213 DAIRYING**--A general survey course of the dairy industry. The course includes a study of breeds, selection, feed, care, and management of dairy cattle. Consideration is also given to testing, grading, production, and consumption of dairy products. (See Note)

**AGR 2223 FEEDS AND FEEDING**--The general basic principles of feeding farm animals; feeding standards; composition and nutritive value of feeds; compilation and preparation of rations. (See Note)

**AGR 2253 LIVESTOCK JUDGING**--Scoring of individuals and judging of representative groups of livestock from the standpoint of the breeder and the market. (See Note)

**AGR 2314 BASIC SOILS/ *Bio 416***--A general course in soils designed to give the student a basic understanding of all important phases of the subject, including soil genesis, morphology, classification, and the physical, chemical and biological aspects of soils as applied to soil fertility. Soil management, including fertilization and liming of soils, is also included.

**AGR 2323 PLANT PROPAGATION/ *Bio 403***--Study of the basic principles and practices involved in the propagation of plants, by seed, cuttings, grafting, and division. (See Note)

**AGR 2333 SOIL MANAGEMENT AND CONSERVATION**--A study of soil management and conservation in relation to the needs of Mississippi agriculture. (See Note)

**AGR 2343 FOREST MEASUREMENTS**--This course is designed to introduce

the student to the techniques, instruments and practices of measuring forest inventories and cut-wood products for sales, timber management planning and forest studies. (See Note)

of the farm business. Basic principles of farm management, including records, finance, taxation and budgeting. (See Note)

**AGR 2613 POULTRY PRODUCTION**--General problems of poultry production; breed selection; management; breeding; feeding; culling; broiler production; egg production; marketing; disease; and sanitary practices. (See Note)

**AGR 2713 PRINCIPLES OF AGRICULTURAL ECONOMICS**--Economic principles applied to production, value, prices, credit, taxation, land tenure, marketing, international trade, and related problems affecting agriculture.

## **ART**

**ART 1113 ART APPRECIATION ART 212**--A simple approach to the understanding of the plastic arts (drawing, architecture, sculpture, painting, graphics minor art, and industrial arts) on a conceptual basis.

**ART 1123 INTRODUCTION TO INTERIOR DESIGN / ART XXX**--A study of the historical background of home planning and house furnishings from the year 3000 B.C. to modern times. (See Note)

**ART 1143 HONORS ART APPRECIATION / ART 212**--A critical approach to the understanding of the artist and his media, psychology, design elements and principles, and historical content with emphasis on gallery and museum trips, hands-on experiences and research papers.

**ART 1213 INTRODUCTORY ART / ART 101**--A studio course designed to familiarize the student with the fundamental elements of drawing and painting and to develop in the student a visually creative vocabulary. A study of the work of prominent artists will augment the student's own creative work in several different media and approaches.

**ART 1233 ALLIED ART / ART XXX**--A program designed to increase the student's awareness of the Fine Arts as well as to acquaint students with the essential role of art in everyday life. Painting, music, sculpture, architecture, and the theatre arts are discussed in the light of basic esthetics principles which unite them.

**ART 1243 INVENTIVE CRAFTS ART XXX**--A survey of art-craft ideas and production methods. Emphasis on creative invention. (See Note)

**ART 1313 DRAWING I ART 150**--Study of basic principles of construction of visual forms. Emphasis on line, perspective, and shading. Use of black and white--media, pencil, charcoal. Required of art majors.

**ART 1323 DRAWING II / ART 151**--Prerequisite: ART 1213. Introduction to color dynamics and precision drawing as used in creative expression. Emphasis on composition. Required of art majors.

**ART 1383 BEGINNING PHOTOGRAPHY / ART 122**--An introduction to the theory, practice, and history of black and white photography, with emphasis on the 35mm camera, developing, printing, composition, and presentation.

**ART 1393 ADVANCED PHOTOGRAPHY / ART Studio XXX**--Advanced camera and darkroom techniques with introduction to color slide developing and the medium format camera.

**ART 1413 DESIGN I / ART 158**--Emphasis on principles and materials in visual design. Introduction to theory and terms. Use of color theory and elementary lettering. Required of art majors.

**ART 1423 DESIGN II / ART Studio XXX**--Prerequisite ART 1313 or special permission of the instructor. Continuation of basic principles of design, color, and texture. Creative approach to three dimensional design. Study of methods of water color, tempera and fluid media. Required of art majors.

**ART 1433 Design I (Supercedes ART 1413) ART Studio XXX**-- To provide students with an understanding of the elements and principles of design to enable development of an informed, intuitive sense as well as a highly informed skills base/methodology involving black and white design problems which apply principles and elements of visual design.

**ART 1443 Design II (Supercedes ART 1423) ART Studio XXX**-- To provide students with an understanding of color theory and applications of color so that there begins to be an informed as well as intuitive sense of seeing, mixing, and applying color and light to design problems.

**ART 1453 Three Dimensional Design ART Studio XXX**-- To provide students with an understanding of spatial form in three dimensions through the use of applied design elements and principles to studio problems in mixed media.

**ART 1513 - Computers in Art / ART XXX**-- An introduction to the theory and practice of using the computer to create art. A study of methods and applications utilizing the computer and sXXXed software applications.

**ART 1811/1821 EXHIBITION CLASS I & II / ART XXX**--Attendance at 75% of all college art exhibitions during the semester student is enrolled. In addition, submission of individual art work to at least one local, regional, or national exhibition is required. Required of all art majors. (See Note)

**ART 1913 ART FOR ELEMENTARY TEACHERS / ART 361**--Designed for the needs of the elementary education student. Essentials of public school art; study of development of the children's art; experiences with major forms of two-dimensional art. problems; experiences with a variety of media.

**ART 2113 THE ARTS AND CULTURE / ART XXX**--This interdisciplinary course is designed to introduce the student to the visual, literary, and performing arts within the context of culture. Through lectures, audiovisual presentation, readings, and field trips, students will explore art as a mirror of society by examining the artistic expression of various cultures. (See Note)

**ART 2313 DRAWING III / ART 250**--Fluid media techniques; wash drawing, interpretation and composition emphasized. Prerequisite: Permission of the instructor. (See Note)

**ART 2323 DRAWING IV / ART 450**--Fluid media techniques; wash drawing, interpretation and composition emphasized. Prerequisite: Permission of the instructor. (See Note)

**ART 2333 INTRODUCTION TO GRAPHICS I / ART 241**--An introduction to the stencil, relief and intaglio process in print making.

**ART 2343 INTRODUCTION TO GRAPHICS II / ART Studio XXX**--A continuation of ART 2333 with emphasis shifting toward aesthetic principles and individual directions.

media A study of proportion in the human figure through the use of contour, gesture, and model drawing. (See Note)

**ART 2363 FIGURE DRAWING II / ART 451** on of fluid media. Emphasis on composition and draftsmanship. (See Note)

**ART 2373 LETTERING AND SIGNWRITING / ART Studio XXX** designed to familiarize the student with the business of hand lettered show cards and sign writing. To help the student develop skills and techniques necessary to become efficient as a professional. (See Note)

**ART 2433 ADVERTISING DESIGN I / ART Studio XXX**--A study of the basic principles of layout, lettering, and illustration for reproduction in newspapers and magazines. (See Note)

**ART 2463 ADVERTISING DESIGN II / ART Studio XXX**--Further study of design and execution for various reproductive processes; preparation of brochures, posters, and pamphlets. (See Note)

**ART 2513 PAINTING I / ART Studio XXX**--Techniques used in painting water colors, oils, pastel or other media, in still life and landscape pictures.

**ART 2523 PAINTING II / ART Studio XXX**--Advanced problems in different media.

**ART 2533 PAINTING III / ART Studio XXX** Any medium: Oils, water colors, tempera, casein, or acrylic. Emphasis on portrait painting. (See Note)

**ART 2543 PAINTING IV / ART Studio XXX**--Study of composition for illustrative or mural paintings. All media: Study of techniques of the master painters. (See Note)

**ART 2613 CERAMICS I / ART 230**--A studio course designed to cover the making of pottery, from the building by hand or throwing on the potter's wheel to the application of ceramic glazes and the firing procedures, to produce finished ceramic ware. An appreciation of the ceramics of the past and present will be included.

**ART 2623 CERAMICS II / ART 430**-- A continuation of ART 2613.

**ART 2633 SCULPTURE I / ART Studio XXX**--Problems in a ceramic sculpture. Study of glaze mixing and application.

**ART 2643 SCULPTURE II / ART Studio XXX**--A continuation of ART 2633.

**ART 2713 ART HISTORY I / ART 401**--Survey course of historical background of art forms from Prehistoric to Renaissance. Emphasis is on painting, architecture, and sculpture as related to history.

**ART 2723 ART HISTORY II / ART 402**--Renaissance to Twentieth Century. Special emphasis on modern expressions in fields of art.

**ART 2811 EXHIBITION CLASS III / ART XXX**--A continuation of ART 1821.

**ART 2821 EXHIBITION CLASS IV / ART XXX**--A continuation of ART 2811.

**ART 2913 SPECIAL STUDIO / ART Studio XXX**--Prerequisite: Six semester hours of work in related studio. Independent study in an area of special interest. Course designed for the exceptional student. (See Note)

## **ADVANCED TECHNOLOGICAL EDUCATION**

**ATE 1113 INTRODUCTION TO SCIENCE AND TECHNOLOGY / CIS XXX or**

**Sci XXX**-A survey of modern technology applications with specific emphasis on problem solving and career opportunities.

## **COMMERCIAL AVIATION**

**AVM 1113 - Introduction to Aviation / CAV 100**-- The development of aviation from early attempts of flight to space travel, including career opportunities in the aviation industry.

**AVM 1213 - Private Pilot Ground I / CAV 250**-- Principles of flight; the flight environment; aircraft systems and performance.

**AVM 1223 - Private Pilot Ground II / CAV 250**-- Basic and radio navigation; flight planning; physiology; Federal Aviation Regulations.

**AVM 2113 - Applied Meteorology / CAV 256**-- Basic weather theory and information services available including how to interpret various reports and forecasts provided by the National Weather Service and the Federal Aviation Administration.

**AVM 2213 - Human Factors / CAV 271**-- Examination of the importance of interpersonal skills and human interaction in relation to safety and effectiveness in the cockpit. Includes the concepts of: processes, role issues, and practice of implementing these concepts.

**AVM 2313 - Aircraft Engine Operation / CAV 260**-- The study of Aircraft engine types; their design, construction, and operation. Review auxiliary engine systems as part of the aircraft power plant.

## **BIOLOGY**

**BIO 1113/BIO 110 GENERAL BIOLOGY FOR NON-MAJORS /**--An introduction to the basic principles of modern biology and their relevance to human life. Topics include basic taxonomy, basic biological chemistry, cell biology, mendelian genetics, and evolution. This course is designed for non-science related majors and does not satisfy the prerequisite for more advanced courses.

**BIO 1123 BIOLOGY II FOR NON-MAJORS/BIO XXX**--A continuation of BIO 1113.

**BIO 1131 GENERAL BIOLOGY I, LAB BIO XXX Lab**--Selected experiments to illustrate the principles taught in General Biology I. (See Note)

**BIO 1133 GENERAL BIOLOGY I/BIO 100**--A lecture/laboratory course in basic biological principles including chemical and cellular basis of life, anatomy and

physiology, reproduction, genetics, organismal complexity, classification, biosocial problems and ecology.

**BIO 1141 GENERAL BIOLOGY II, LAB/BIO XXX Lab**--Selected experiments to illustrate the principles taught in General Biology II. (See Note)

**BIO 1143 GENERAL BIOLOGY II/BIO XXX**--A lecture/laboratory course of the basic principles listed but not covered in BIO 1133.

**BIO 1151 HONORS GENERAL BIOLOGY I, LAB/BIO 102 or 103**--Selected experiments to illustrate the principles taught in Honors General Biology I.

**BIO 1153 HONORS GENERAL BIOLOGY I/BIO XXX**--A lecture/laboratory course in basic biological principles including chemical and cellular basis of life, anatomy and physiology, reproduction, genetics, organismal complexity, classification, biosocial problems and ecology. (Open through invitation only--see note)

**BIO 1161 HONORS GENERAL BIOLOGY II, LAB**--Selected experiments to illustrate the principles taught in Honors General Biology II.

**BIO 1163 HONORS GENERAL BIOLOGY II/BIO XXX**--A lecture/laboratory course of the basic principles listed but not covered in BIO 1133. (Open through invitation only--see note)

**BIO 1214 ENVIRONMENTAL SCIENCE/BIO XXX**--Relevance of ecological principles to environmental problems and relationships of humans with their environment with emphasis on preservation of environmental quality. A survey course.

**BIO 1311 BOTANY I, LAB/BIO 100 or BIO 102 lab**--Selected experiments to illustrate the principles taught in Botany I.

**BIO 1313 BOTANY I/BIO 100 or Bio 102**--A lecture/laboratory course dealing with the application of biological principles to the study of plants including classification, anatomy and physiology, and function.

**BIO 1321 BOTANY II, LAB/BIO 100 or BIO 102 lab**--Selected experiments to illustrate the principles taught in Botany II.

**BIO 1323 BOTANY II/BIO 100 or BIO 102**--A lecture/laboratory course of principles listed but not covered in BIO 1313.

**BIO 1413 ZOOLOGY (SURVEY)/BIO 103**--A lecture/laboratory condensed course in general biological principles as applied to the study of animals including classification, structure, and function. (See Note)

**BIO 1511 ANATOMY AND PHYSIOLOGY I, LAB/BIO 230 lab**--Selected experiments to illustrate the principles taught in Anatomy and Physiology I. (See Note)

**BIO 1513 ANATOMY AND PHYSIOLOGY I/BIO 230**--A lecture/laboratory course dealing with the anatomical and physiological study of the human body, particularly the molecular, cellular, tissue, organs, and systems. Each system is considered in detail regarding both structure and function.

**BIO 1521 ANATOMY AND PHYSIOLOGY II, LAB/BIO 231 lab**--Selected experiments to illustrate the principles taught in Anatomy and Physiology II. (See Note)

**BIO 1523 ANATOMY AND PHYSIOLOGY II/BIO 231**--A lecture/Laboratory course of the systems listed but not covered in BIO 1513.

**BIO 1613/BIO XXX - Nutrition** - This course is a study of nutrients required for normal growth and applied to the selection of food for ingestion, metabolic process of digestion, assimilation and absorption.

**BIO 2214 INTRODUCTION TO MARINE SCIENCE/BIO XXX**--A lecture/laboratory introductory course in oceanography with emphasis on the measurement of physical, chemical, and biological aspects of the marine environment as well as functional morphology and taxonomy of local biota. Prerequisites: BIO 1133 and CHE 1214. (See Note)

**BIO 2234 APPLIED AQUATIC AND TERRESTRIAL ECOLOGY/ BIO XXX**--The application of ecological principles which serve as a basis for the management of wildlife and fisheries in terrestrial and aquatic habitats. (See Note)

**BIO 2311 DENDROLOGY LAB/BIO 312 lab**--Selected experiments to illustrate the principles taught in Dendrology.

**BIO 2313 DENDROLOGY/BIO 312**--A lecture/laboratory course concerning taxonomy, morphology, and identification of woody plants. Prerequisite: BIO 1313. (See Note)

**BIO 2411 ZOOLOGY I, LAB/BIO 100 or BIO 103 lab**--Selected experiments to illustrate the principles taught in Zoology I.

**BIO 2414 ZOOLOGY I BIO 100 or BIO 103**--A lecture/laboratory course dealing with the application of biological principles to the study of animals including classifications, structure and function. Emphasis is on the invertebrates and laboratory requires extensive use of the microscope.

**BIO 2421 ZOOLOGY II, LAB/ BIO XXX**--Selected experiments to illustrate the principles taught in Zoology II.

**BIO 2424 ZOOLOGY II/ BIO XXX**--A continuation of BIO 2414 with emphasis on the vertebrates. The laboratory requires dissection.

**BIO 2511 HUMAN ANATOMY AND PHYSIOLOGY I, LAB/ BIO 230 lab**--Selected experiments to illustrate the principles taught in Human Anatomy and Phy I.

**BIO 2513 HUMAN ANATOMY AND PHYSIOLOGY I/ BIO 230**--Lecture/laboratory course dealing with the physiology of the human body as an integrated whole with more detailed studies of the skeletal, muscular, and nervous systems. Prerequisites: BIO 2414 and BIO 2424. General Chemistry recommended.

**BIO 2521 HUMAN ANATOMY AND PHYSIOLOGY II, LAB/BIO 231 lab**--Selected experiments to illustrate the principles taught in Human Anatomy and Phys II.

**BIO 2523 HUMAN ANATOMY AND PHYSIOLOGY II/BIO 231 lab**--A continuation of BIO 2513 in which the circulatory, respiratory, digestive, urinary, reproductive, and endocrine systems are studied. Prerequisite: BIO 2513.

**BIO 2921 MICROBIOLOGY, LAB/BIO 317 lab**--Selected experiments to

illustrate the principles taught in Microbiology.

**BIO 2924 MICROBIOLOGY/*BIO 317***--A lecture/laboratory course providing a survey of the microbes (microscopic organisms) with emphasis and detailed study being placed on those affecting other forms of life, especially man. Laboratory is devoted to basic techniques of microbial study, such as identification, control, morphology, physiology, life cycles, and culture techniques.

**BIO 2963 PATHOGENIC MICROBIOLOGY/ *BIO XXX***--Identification and culture methods for pathogenic bacteria. Applicable to applied science requirements in Medical Laboratory Technician Program. (Prerequisite: BIO 2924). (See Note)

## **BUSINESS ADMINISTRATION**

**BAD 1113 INTRODUCTION TO BUSINESS /*BUS XXX***--This course includes an introduction to the major division of study that will be followed in succeeding business courses such as: Business Organization, Accounting, Business Law, and other related courses.

**BAD 1121 BUSINESS SEMINAR I/*BUS XXX***--This course is designed to coordinate the various business-related student activities to the local level. It promotes leadership and professionalism in civic and social functions; and includes student participation, guest speakers, and community service activities.

**BAD 1131 BUSINESS SEMINAR II /*BUS XXX***--A continuation of BAD 1121.

**BAD 1141 BUSINESS SEMINAR III /*BUS XXX***--A continuation of BAD 1131.

**BAD 1151 BUSINESS SEMINAR IV /*BUS XXX***--A continuation of BAD 1141.

**BAD 1213 /*BUS XXX*** - **Introduction International Business** - Introduction to international business theory and practices. Emphasis is placed on terminology and the importance of understanding cultural differences

**BAD 1313 BUSINESS MATHEMATICS /*BUS XXX***--Emphasis is placed on the study of the fundamental processes, fractions, decimals, percentage, and problem solving. The application of these fundamental processes is applied toward the problems of business which the student will encounter in the various commercial fields.

**BAD 2213 MARKETING- /*BUS XXX***-This course is a study of principles and problems of marketing goods and methods of distribution from producer or manufacturer to consumer. Types, functions, practices of wholesalers and retailers in the American marketing system and efficient marketing techniques in the development and expansion of markets are included. (See Note)

**BAD 2323 BUSINESS STATISTICS /*BUS XXX***--Introduction to statistical methods of collecting, presenting, analyzing, and interpreting quantitative data for business management and control.

**BAD 2413 LEGAL ENVIRONMENT OF BUSINESS /*IGBA 220***-This course is designed to acquaint the student with the fundamental principles of law as they relate to the basic legal problems of business transactions in our economy. Special attention will be given to an introduction to law; law of contracts; agencies and employment; negotiable instruments and commercial papers.

**BAD 2423 LEGAL ENVIRONMENT OF BUSINESS II *IBBA 220***--This course is a continuation of Business Law 2413 and is designed to cover the following specific areas; sales contract; personal property and bailments; partnerships; corporations; real property and leases; insurance; security and mortgages; and bankruptcy. (See Note)

**BAD 2513 PRINCIPLES OF MANAGEMENT *IBUS XXX***--This course is a study of basic management principles as applied to the functions of planning, organizing, directing, controlling, and coordinating with effective communication in business enterprise. (See Note)

**BAD 2533 BUSINESS MANAGEMENT AND MICROCOMPUTER *IBUS XXX***--  
-An introduction to the main microcomputer software packages used in business and to the components of an information system to include spreadsheets, data-base management word processing, computerized accounting, data entry and retrieval, records management, and electronic communication.

**BAD 2713 PRINCIPLES OF REAL ESTATE *IBUS XXX***--The course deals with the nature of the real estate market, types of ownership of property, contracts, methods of transferal of title, instruments used in transfers, title closing, financing, property management, insuring, and appraising.

**BAD 2723 REAL ESTATE LAW *IBUS XXX***--Designed to give the student a general background in the law of real property and the law of real estate brokerage. (See Note)

**BAD 2733 REAL ESTATE FINANCE *IBUS XXX***--A study of principles and methods of financing real estate, sources of funds, types and contents of financing instruments, and the role of various institutions, both private and governmental. (See Note)

**BAD 2743 REAL ESTATE APPRAISAL I *IBUS XXX***--An introductory course. Includes purpose of appraisal, methods, and techniques to determine the value of the various types of property. Emphasis on residential and single unit property. Prerequisite: BAD 2713 or Real Estate Sales or Broker License. (See Note)

**BAD 2753 REAL ESTATE APPRAISAL II *IBUS XXX***--Emphasis placed on income approaches to real estate valuation. Prerequisite BAD 2743 Real Estate Appraisal I. (See Note)

**BAD 2763 PROPERTY MANAGEMENT *IBUS XXX***--This course deals with the nature of real property management. The major functions of property managers are covered including the legal, interpersonal, maintenance, accounting, and administrative functions. Specific practices and problems are covered. (See Note)

**BAD 2813 ADMINISTRATIVE COMMUNICATIONS *IBUS XXX***--A study of effective principles and practices of written communications, emphasizing a managerial approach for business and the individual. (See Note)

**BAD 2823 INDUSTRIAL HUMAN RELATIONS *IBUS XXX***--A study of human behavior and interpersonal group dynamics within the context of the industrial organization.

**BAD 2833 PRINCIPLES OF TRAINING AND DEVELOPMENT *IBUS XXX***--An introduction and overview of training professions in both the public and private sector. To include on-site visitation of host industrial organizations and other institutions.

**BAD 2843 INDUSTRIAL SAFETY *IBUS XXX***--A comprehensive study of OSHA regulations for industrial site safety and implementation methods for compliance.

**BAD 2853 BUSINESS ETHICS *IBUS XXX***--An exploration of the ethical problems faced in business theory and practice through which the student will recognize and analyze ethical dilemmas and implement ethical decisions within the context of today's business environment.

**BAD 2863 STRATEGIES FOR TECHNOLOGY TRAINING *IBUS XXX***--Mastery of core competencies to develop and deliver technology training.

**BAD 2873 WORKFORCE DEVELOPMENT MODELS *IBUS XXX***--Application of different instructional models to design workforce training of facts, concepts, procedures and processes.

## **BUSINESS AND OFFICE ADMINISTRATION**

**BOA 1113 ELEMENTARY TYPEWRITING *IBUS XXX***--Mechanism and care of the typewriter; its operation; keyboard drills to gain speed and accuracy; introduction to letter forms. Students with a year of high school typewriting or keyboarding cannot receive a credit for this course.

**BOA 1123 INTERMEDIATE TYPEWRITING *IBUS XXX***--Advanced drills for speed and accuracy; letter forms; telegrams and other business forms; manuscript typewriting.

**BOA 1213 ELEMENTARY SHORTHAND *IBUS XXX***--The theory and practice of Gregg and Simplified shorthand. The principles are applied by reading and writing shorthand with a limited amount of dictation and transcription from shorthand notes. Students with a year of high school shorthand cannot receive credit for this course.

**BOA 1223 INTERMEDIATE SHORTHAND *IBUS XXX***--A continuation of BOA 1213.

**BOA 1313 FILING-RECORDS MANAGEMENT *IBUS XXX***--The various systems of filing with sufficient practice in the laboratory to develop skill in the operation of the systems. Coding, indexing, equipment, and materials are emphasized.

**BOA 1411 KEYBOARDING *IBUS XXX***--This course will develop your basic keyboarding skills which will enable you to operate a microcomputer to input and retrieve information.

**BOA 1513 MACHINE TRANSCRIPTION *IBUS XXX***--This course will enable students to become proficient in operating transcribing equipment and in word processing. The course will also equip students with knowledge of many kinds of business documents and their uses, build fundamental knowledge of business

vocabulary, and develop an understanding of secretarial procedures and responsibilities in business. Three hours per week. Prerequisite: BOA 1113 or equivalent.

**BOA 2113 ADVANCED TYPEWRITING *IBUS XXX*** --A continuation of BOA 1113.

**BOA 2213 ADVANCED SHORTHAND-- *IBUS XXX*** The aim of this course is to increase accuracy and speed of transcription with emphasis on mail ability of letters.

**BOA 2313 *IBUS XXX* - Business Management and Microcomputers** - An introduction

to the main microcomputer software packages used in business and to the components of an information system to include spreadsheets, data-base management, word processing, computerized accounting, data entry and retrieval, record management, and Electronic communication.

**BOA 2413 SECRETARIAL PRACTICE *IBUS XXX*** --Course designed to present essential duties and special techniques for a secretarial career at the highest professional level; to acquaint the student with the modern office systems and practices.

**BOA 2523 OFFICE MACHINES *IBUS XXX*** --Instruction and practice in the operation of the major types of adding and calculating machines; development of a working knowledge of the ten-key and full keyboard adding machine, key-driven and rotary calculators, and other mechanical office devices.

**BOA 2533 WORD PROCESSING I *IBUS XXX*** --This course studies the development of today's modern office through the use of automated equipment and trained personnel. Emphasis is placed on the organizations of word processing from input through distribution, equipment available, and role of participants in word processing systems. Three lectures per week.

**BOA 2543 WORD PROCESSING II *IBUS XXX*** --This course is designed to equip students with enough basic knowledge and understanding to produce finished documents on any word processing system. Keyboarding skills are acquired through actual applications. Prerequisites: Typewriting, BOA 1113 or BOA 1123, Word Processing I, BOA 2533. Three hours lectures plus additional lab work.

**BOA 2553 DESKTOP PUBLISHING *IBUS XXX*** --This course covers the writing, assembling, and design of publications in a business or editorial office by the use of microcomputers. The course includes an introduction to traditional publishing terminology, completion of training software, and the production of various business documents and publications.

**BOA 2613 BUSINESS COMMUNICATIONS/*OAD 203***--Study and practice in writing different types of business letters and reports, with emphasis on correct spelling, grammar, punctuation, and clarity of communication.

**BOA 2713 SPREADSHEET APPLICATIONS *IBUS XXX*** --Intermediate through advanced electronic spreadsheet application techniques using the most current software available. Includes advanced features: graphing, consolidating worksheets,

analyzing data, using external database, performing spreadsheet "what-if" analysis, customizing toolbars and menus, using and creating templates, etc. two lecture hours, two lab hours, three semester hours credit.

## **CHEMISTRY**

**CHE 1114 GENERAL CHEMISTRY SURVEY (BASIC)/CHE XXX**--A study of the physical properties of chemicals, their fundamental properties, laws and theories.

**CHE 1211 GENERAL CHEMISTRY I, LAB/CHE 103**--Must be taken concurrently in phase with the lecture sequence. Selected experiments to illustrate the principles taught in lecture.

**CHE 1213 GENERAL CHEMISTRY I/CHE 101**--Atomic and molecular structure, periodicity and atomic properties, stoichiometry, the mole concept, types of solutions, energy-enthalpy.

**CHE 1221 GENERAL CHEMISTRY II, LAB/CHE 104**--A continuation of CHE 1211. Must be taken concurrently in phase with the lecture sequence.

**CHE 1223 GENERAL CHEMISTRY II/CHE 102**--Gases, kinetics, equilibria, thermodynamics, Electrochemistry, nuclear chemistry, coordination and compounds.

**CHE 1253 HONORS GENERAL CHEMISTRY I/CHE XXX** Measurement, atomic and molecular structure, mole concept stoichiometry, gas laws, thermochemistry, solutions, solid and liquid states. Special projects, field trips, some computer assisted learning.

**CHE 1263 HONORS GENERAL CHEMISTRY II/CHE XXX**--Chemical equilibrium, acidbase chemistry, solubility product, thermodynamics, electrochemistry, kinetics, metallurgy. Special projects, field trips, some computer assisted learning.

**CHE 1311 PRINCIPLES OF CHEMISTRY I, LAB/CHE XXX**--(For Nurses) Selected experiments to illustrate the principles taught in Principles of Chemistry I.

**CHE 1314 PRINCIPLES OF CHEMISTRY I /CHE XXX**--(For Nurses)-- Emphasis on properties of matter and application of principles. Primarily for students in pre-nursing, home economics, agriculture and physical education.

**CHE 1321 PRINCIPLES OF CHEMISTRY II, LAB/ CHE XXX**--(For Nurses) Selected experiments to illustrate the principles taught in Principles of Chemistry II.

**CHE 1324 PRINCIPLES OF CHEMISTRY II/ CHE XXX**--(For Nurses)--A continuation

of CHE 1314. Emphasis on systematic semimicro analysis of cations and anions.

**CHE 1411 ORGANIC AND BIO-CHEMISTRY SURVEY, LAB**--Selected experiments to illustrate the principles taught in Organic and Bio-Chemistry Survey.

**CHE 1414 ORGANIC AND BIO-CHEMISTRY SURVEY/ CHE 212**--A special course structured for students pursuing the B.S. Degree in Nursing. The course is designed to give the student a fundamental treatment of organic chemistry with emphasis in the last portion of the course on those compounds and reactions involved in biological processes. Three hours lecture, three hours laboratory and four semester credit hours. Prerequisite: CHE 1211 and CHE 1213. (See Note)

**CHE 2414 INTRODUCTORY ORGANIC CHEMISTRY/ CHE XXX**--A brief course in fundamentals of organic chemistry for students of agriculture, home economics, and others in programs requiring only one semester of organic chemistry. (See Note)

**CHE 2421 ORGANIC CHEMISTRY I, LAB/ CHE 319**--A laboratory course designed for the beginning student in organic chemistry. Acquaints students with important manipulations and procedures and the preparation and study of organic compounds.

**CHE 2424 ORGANIC CHEMISTRY I/ CHE 321**--A study of the basic principles of carbon chemistry, bonding structure, and behavior; aliphatic compounds; identification and preparation of compounds. Prerequisite: CHE 1223.

**CHE 2431 ORGANIC CHEMISTRY II, LAB/ CHE 320**--A continuation of CHE 2421.

**CHE 2434 ORGANIC CHEMISTRY II/ CHE322**--A continuation of CHE 2424. Study of Aromatic and complex compounds.

## **COMMUNICATIONS (GEN XXXives)**

**COM 1413 FUNDAMENTALS OF BROADCASTING**--A course designed to acquaint the student with the basic techniques of radio and television broadcasting with practice before microphone and camera. (See Note)

**COM 1423 INTRODUCTION TO BROADCASTING**--A historical overview of the development and operation of Electronic and film media including a brief survey of mass communication theory and effects research. (See Note)

**COM 1433 ANNOUNCING FOR RADIO AND TELEVISION**--To provide the student with the basic skills of the radio and television announcer. Diction, pronunciation, and reading will be studied on an individual and group basis. Utilization of equipment emphasized. (See Note)

**COM 1443 RADIO PRODUCTION**--Introductory course in radio production covering control room on-air production and off-air program production. (See Note)

**COM 1463 T. V. PRODUCTION**--Practical experience in production of television programs and the techniques of production including camera, audio, lighting, staging, graphics, and on-campus appearance. (See Note)

**COM 1511 RADIO/TV PRODUCTION LAB I**--Lab experience in radio or television production. (See Note)

**COM 1521 RADIO/TV PRODUCTION LAB II**--Lab experience in radio or television production. (See Note)

**COM 2463 WRITING FOR THE XXXRONIC MEDIA**--Introductory course to teach the basic skills of broadcast writing, reporting and production. (See Note)

**COM 2483 MASS COMMUNICATIONS**--A study of the history, organization, and mechanics of various mass media. Designed to help the student understand the roll of mass media in his life and in society. (See Note)

**COM 2511 RADIO/TV PRODUCTION LAB III**--Lab experience in radio or television production. (See Note)

**COM 2521 RADIO/TV PRODUCTION LAB IV**--Lab experience in radio or television production. (See Note)

## **COMPUTER SCIENCE**

**CSC 1113/CIS 200 INTRODUCTION TO COMPUTER CONCEPTS**--A basic course that advances concepts, terminology, and theory of modern computers. It is a survey course. It is not for business, computer science or engineering students.

**CSC 1123 MICROCOMPUTER APPLICATIONS**--/CIS 205 (Name of package will be indicated) Designed to teach the use of a major application package(s) as used on microcomputers in business, education, and other environments. - e.g. Lotus 1-2-3, Microsoft Word, Appleworks, dBase III, etc. Two hours lecture, two hours lab. Three semester hours credit.

**CSC 1133/CIS 235 INTERMEDIATE MICROCOMPUTER APPLICATIONS** --A continuation of CSC 1123.

**CSC 1213/CIS 210 BASIC COMPUTER PROGRAMMING I**--The writing of programs using the BASIC computer language.

**CSC 1223 BASIC COMPUTER PROGRAMMING II/CIS XXX**--Advanced programming concepts using BASIC language with emphasis on structured programming. This course includes functions, subroutines, search and sort, algorithms, sequential and random access and external file management.

**CSC 1313 FORTRAN PROGRAMMING/CIS 210**--Introduction to digital computers and computer programming using the FORTRAN language.

**CSC 1613 COMPUTER PROGRAMMING I/CIS 210**--Introduction to problem-solving methods and algorithm development; designing, debugging, and documentation in a high-level programming language with a variety of applications.

**CSC 2133 PROGRAMMING I with "C"/CIS 210**--Introduction to problem solving methods and algorithm development; designing, debugging, and documentation in C/C++ language with a variety of applications. Prerequisite or corequisite: MAT 1313 or permission of instructor.

**CSC 2143 PROGRAMMING II WITH "C"/CIS XXX**--Continued program and algorithm development and analysis; search/sort methods; abstract data types and object-oriented design; designing and debugging larger programs using C/C++ language. Prerequisite: CSC 2133.

**CSC 2323 FORTRAN PROGRAMMING AND APPLICATION/CIS XXX**--A course primarily for mathematics, engineering, and science majors. Emphasis is

on the structure of the FORTRAN language and its applications to problems in mathematics, engineering and the science. (See Note)

**CSC 2413 COBOL PROGRAMMING/CIS XXX** --Includes the structures, data bases, and operating systems. Applications place particular emphasis on business systems and operations. (Previously CSC 2123).

**CSC 2513 ANALYSIS OF DATA STRUCTURE AND ALGORITHM/CIS XXX** - -Advanced data structures and their representation; memory management; trees and graphs; search and sort techniques; symbol tables and indexes; classes of algorithms.

**CSC 2543 ADVANCED COMPUTER PROGRAMMING/CIS XXX** --An introduction to computer architecture, hardware, software, and programming in an assembly language.

**CSC 2623 COMPUTER PROGRAMMING II/CIS XXX** --Continued program development; algorithm analysis; string processing; recursion; internal search/sort methods; simple data structures; debugging and testing of large programs. Prerequisite: Computer Programming I.

**CSC 2634 INTERMEDIATE PROGRAMMING/CIS XXX** --(Equivalent CSC 1613/2623).

Algorithm development, debugging and documentation of programs of moderate difficulty written in a high level language; simple data structures; string processing, data manipulation; file manipulation; recursion; introduction to dynamic data structures. Prerequisite: A structured computer programming course.

**CSC 2713 INTRODUCTION TO FILE PROCESSING/CIS XXX** --To introduce concepts and characteristics of storage devices; file processing techniques; data structure; elementary data base concepts. Prerequisite; Computer Programming I or FORTRAN or COBOL Programming.

**CSC 2813 COMPUTER PROGRAMMING: RPG/CIS XXX** --The first phase of the course

teaches computer concepts, flowcharting, and theory of modern computers. Emphasis is on the second phase which teaches RPG II (Report Program Generator) programming, including program efficiency, validity, checking of data, and table handling, and its application to a variety of problems. (3,3,0)

**CSC 2833 DISCRETE MATHEMATICAL STRUCTURES FOR COMPUTER SCIENCE/CIS XXX** --

Introduction to finite and discrete structures, combinations and graphs; logic, and models of algorithmic processes; application in languages, computers, and programs. Prerequisites: MAT 1623 and CSC 2623.

**CSC 2843 DATA STRUCTURES/CIS XXX** --Advanced data structures and their representation; advanced data abstraction and corresponding algorithms; memory management; trees and graphs; search and sort techniques; symbol tables and indexes; classes of algorithms. Prerequisites: CSC 2634 and CSC 2833.

**CSC 2913 INTRODUCTION TO COMPUTER ORGANIZATION/CIS XXX** --

Fundamentals of logic design, organization and structuring of computer hardware components, mechanics of information transfer and control within a digital computer system.

## **COOPERATIVE EDUCATION (GEN XXX)**

**COE 1010 COOPERATIVE EDUCATION WORK EXPERIENCE I**--First supervised work experience performed in a job setting related to the student's major field of study. The work experience is under the supervision of the Director of Cooperative Education and the department chairperson.

**COE 1020 COOPERATIVE EDUCATION WORK EXPERIENCE II**--Prerequisite: COE 1010. Second supervised work experience.

**COE 1030 COOPERATIVE EDUCATION WORK EXPERIENCE III**--

Prerequisite: COE 1020. Third supervised work experience.

**COE 1040 COOPERATIVE EDUCATION WORK EXPERIENCE IV**--

Prerequisite: COE 1030. Fourth supervised work experience.

**COE 1050 COOPERATIVE EDUCATION WORK EXPERIENCE V**--Prerequisite: COE 1040. Fifth supervised work experience. (See Note)

**COE 1060 COOPERATIVE EDUCATION WORK EXPERIENCE VI**--

Prerequisite: COE 1050. Sixth supervised work experience. (See Note)

**COE 1070 COOPERATIVE EDUCATION WORK EXPERIENCE VII**--

Prerequisite: COE 1060. Seventh supervised work experience. (See Note)

**COE 1080 COOPERATIVE EDUCATION WORK EXPERIENCE VIII**--

Prerequisite: COE 1070. Eighth supervised work experience. (See Note)

Special Note: Credit may be assigned to these courses at the discretion of each college. However, none of these courses count for pay purposes based on state enrollment.

## **CRIMINAL JUSTICE**

**CRJ 1313 INTRODUCTION TO CRIMINAL JUSTICE/CRJ 300**--History, development, and philosophy of law enforcement in a democratic society, introduction to agencies involved in the administration of criminal justice; career orientation.

**CRJ 1323 POLICE ADMINISTRATION AND ORGANIZATION I/CRJ 305**--

Principles of organization and administration in law enforcement as applied to law enforcement agencies; introduction to concepts of organizational behavior. (See Note)

**CRJ 1333 POLICE ADMINISTRATION AND ORGANIZATION II/CRJ 1XX**

Study of line activities of law enforcement agencies with emphasis on patrol functions and prevention of crime; includes traffic investigations, juvenile, vice and other specialized units.

**CRJ 1343 POLICE AND COMMUNITY RELATIONS/CRJ 1XX** ---Current issues between

police and community. Role and influence of officer in community relations, tensions and conflict and the problem areas of race and juveniles. (See Note)

**CRJ 1353 INTERNSHIP IN CRIMINAL JUSTICE/CRJ 1XX** ---Internship in an

approved law enforcement or correctional agency under supervision of the agency concerned and school instructor. Written report required of agency. (See Note)

**CRJ 1363 INTRODUCTION TO CORRECTIONS/CRJ 310** --An overview of the correctional field; its origins, historical and philosophical background, development, current status, relationship with other facets of the criminal justice system and future prospects.

**CRJ 1383 CRIMINOLOGY/CRJ 1XX** ---The nature and significance of criminal behavior. Theories, statistics, trends, and programs concerning criminal behavior.

**CRJ 1613 LOSS PREVENTION/CRJ 1XX** ----A study of operation and management of loss prevention programs in business, industry, government, proprietary and governmental institutions; and employee theft control.

**CRJ 1623 HOSPITAL SECURITY/CRJ 1XX** ---The function of protection in the health industry. Medical security administration including study of health care providers; trends in hospital law; security from injury, fire and loss; security methodology for safe-guarding specialty areas; the security role in mass casualty management and emergency preparedness; and patient attitudes toward security.

**CRJ 2213 TRAFFIC LAW/CRJ 1XX** ----An examination of the role of government in coping with traffic problems. Emphasis is placed on the history, development, and enforcement of statutes pertaining to motor vehicles. (See Note)

**CRJ 2313 POLICE OPERATIONS/CRJ 1XX** --A study of the operation and administration of law enforcement agencies. Particular emphasis is placed on the functions of the patrol division.

**CRJ 2323 CRIMINAL LAW-EVIDENCE/CRJ 1XX** ---Criminal evidence for the law enforcement officer furnishing a practical insight into the rules of evidence; kinds of degrees; and considerations governing the admissibility of evidence in court.

**CRJ 2333 CRIMINAL INVESTIGATION I/CRJ 1XX** ----Fundamentals, search and recording, collection and preservation of evidence, finger printing, photography, sources of information, interviews and interrogation. Follow up.

**CRJ 2343 CRIMINAL INVESTIGATION II/CRJ 1XX** ---Use of scientific techniques in investigation; investigate problems in major crimes; arrests, apprehensions, and raids; finger-printing; rules of evidence and testifying in court. (See Note)

**CRJ 2393 SURVEY OF CRIMINALISTICS/CRJ 1XX** ---The study of scientific crime detection methods; modus operandi, crime scene search, preservation of evidence, research projects and class participation required. Prerequisite: Permission of the instructor. (See Note)

**CRJ 2413 ADMINISTRATION OF CRIMINAL JUSTICE I/CRJ 1XX** ----A study of the legal concepts and procedures, including laws of arrest and search warrant procedures, beginning with the issuance of legal process to ultimate disposition,

including information, indictments, arraignments, preliminary hearings, bail, juries and trial and penal conditions. (See Note)

**CRJ 2423 ADMINISTRATION OF CRIMINAL JUSTICE II/CRJ 1XX** ---The analysis of various release procedures and their effectiveness from an historical, philosophical, and sociological point of view. (See Note)

**CRJ 2513 LAW ENFORCEMENT AND THE JUVENILE/CRJ 315** ---The role of police in juvenile delinquency and control. Organization, functions, and jurisdiction of juvenile agencies. Processing, detention, and disposition of cases. Statutes and court procedures applied to juveniles. (See Note)

**CRJ 2613 COMPUTER SECURITY/CRJ XXX** ---Computer security with an emphasis in the area of confidentiality, hardware security, software security, as well as contingency and disaster planning.

**CRJ 2623 ASSETS PROTECTION/CRJ XXX** ---Security awareness of management and employees; vulnerability training; internal/external theft and fraud; disaster control; physical security planning; investigation; guard protection; and alcohol and drug abuse in work place.

## **ECONOMICS**

**ECO 2113/ECO 210 PRINCIPLES OF ECONOMICS (MACROECONOMICS)**-- An introduction to economics principles, problems, and policies with emphasis on the monetary system and national income theory and measurement.

**ECO 2123/ECO 211 PRINCIPLES OF ECONOMICS (MICROECONOMICS)**-- A continuation of ECO 2113 with emphasis on price and production theory and international trade.

**ECO 2153/ECO 210 HONORS PRINCIPLES OF ECONOMICS (MACRO)**--An introduction to economic principles, policies and problems with emphasis on the level of national production and income, the level of employment, the level of prices, and the rate of economic growth. Note: The intent of this course is to go beyond basic principles to a more in-depth analysis of the application of economic principles and policies to real world problems and events.

## **EDUCATION (GEN XXX)**

**CSK 1009 COMMUNICATION SKILLS**--A computerized instructional course to enhance your basic skills in language and writing. You are diagnostically tested and prescribed lessons based on need. You'll progress at your own pace, based on an individualized educational plan including computer assisted instruction and written assignments.

**EDU 1103 ESSENTIAL COLLEGE SKILLS I**--This course is designed to aid in the development of student potentials in four fundamental areas; improving self-image and awareness, setting life goals (decision-making, value clarification, setting personal priorities), developing effective study skills and habits and developing classroom learning skills. The course emphasizes reasoning skills,

interpersonal skills, personal and social adjustment. (See Note)

**EDU 1203 ESSENTIAL COLLEGE SKILLS II**--A continuation of EDU 1103 (See Note)

**EDU 1111 LIBRARY SCIENCE**--This course gives a general coverage of library classification, card catalog, dictionaries, periodical indexes, and other general reference books. (See Note)

**EDU 1121 LIBRARY SCIENCE II**--A continuation of Library Science 1111 with a greater emphasis on electronic information.

**EDU 1151 COLLEGE LIFE**--College Life offers group experiences in study skills, career exploration, self affirmation, and values clarification. This course is designed to assist the first time student in bonding to the college and to a small group of students.

**EDU 1211 SELF-AFFIRMATION**--Group process to teach people to like themselves better, and to become aware of their strengths. (See Note)

**EDU 1223 HUMAN DEVELOPMENT**--This course is designed to increase students' success in college and in life through a crystallization of the priorities of life.

**EDU 1311 ORIENTATION**--This course is designed to help the freshman adjust himself to college life. It includes a study of personal and social adjustments. It teaches effective study habits, reading methods, use of the library, note taking, report writing, and gives the student guidance in collegiate life.

**EDU 1321 CAREER EXPLORATION**--A course designed to assist students in determining career goals. Interest tests, personality inventories, and aptitude tests are given to help students determine career choices.

**EDU 1331 SPECIFIC CAREER EXPLORATION**--A continuation of EDU 1321 that will deal with specific careers.

**EDU 1411 IMPROVEMENT OF STUDY**--Effective study and reading technique.

**EDU 1423 COLLEGE STUDY SKILLS**--An advanced course in study skills that fosters insight and practice of critical reading skills and study techniques needed for efficient and effective perusal of college level courses, both graduate and undergraduate. Three semester hours elective credit. (See Note)

**EDU 1433 HONORS STUDY SKILLS**--This course uses a holistic approach to unleashing the "Master Student" in all honors students. Focuses on both study and life skills including research strategies, critical thinking and problem solving, goal setting, motivational techniques, time and money management, relationships, cultural diversity, health, group skills, communication, and Internet skills.

**EDU 1613 FOUNDATION IN EDUCATION**--Survey of the history and philosophies of American education with special emphasis on current issues and problems in education.

**EDU 1711 JOB SEARCH SKILLS**--This course is designed to prepare students for job networking skills, completing applications, resume writing, interviewing, and job attitude.

**EDU 1811 LEADERSHIP AND ORGANIZATION SKILLS I**--A study of leadership styles and skills, roles and functions of officers of student organizations. Includes parliamentary procedure, communication, conducting effective meetings, and working with volunteers.

**EDU 1821 LEADERSHIP ORGANIZATION SKILLS II--(Prerequisite: EDU 1811)**

Continued study of EDU 1811; ice breakers; traits of members and joiner; non-verbal communication; role functions in groups; time management; stress management; role of constitution; Meyers Briggs type indicator; planning and goal setting; passing the gavel.

**EDU 1831 LEADERSHIP AND ORGANIZATION SKILLS III--(Prerequisite: EDU 1811, 1821)** Continued study of EDU 1811, EDU 1821; participates fully in class; experiential roles chairing committees and events; lead decision making techniques; nominal group technique, consensus, force field analysis; brain storming; observe and give feedback to group on role functions in group; lead planning and goal setting groups; assist teacher with exercises; serves as officer/chairman of student government committee.

**EDU 1841 LEADERSHIP AND ORGANIZATION SKILLS IV--(Prerequisite: EDU 1811, 1821, 1831)** A continuation of activities and event of EDU 1811, EDU 1821, and EDU 1831).

**EDU 1911 LEADERSHIP AND COMMUNICATION SKILLS DEVELOPMENT - RECRUITING AND PUBLIC RELATIONS**--This course familiarizes the student with his/her responsibilities as a member of the recruiting/public relations team. It explores leadership skills, communication, and factual information about the college. Through this course the student will be able to function as a representative in recruitment and in public relations.

**EDU 1921 LEADERSHIP AND COMMUNICATION SKILLS DEVELOPMENT - RECRUITING AND PUBLIC RELATIONS**--A continuation of EDU 1911.

**EDU 2513 INTRODUCTION TO ELEMENTARY EDUCATION**--An introduction to elementary schools and the role of teachers. Study of philosophical thought and inquire in relation to educational assumptions, questions, problems and alternatives. Includes a minimum of 40 hours field experience in the elementary schools. (See Note)

**EDU 2613 INTRODUCTION TO SECONDARY EDUCATION**--Early field experiences in the secondary school, formulation of a basic philosophy of education. Includes a minimum of 40 hours field experience in junior and/or senior high schools. (See Note)

**EDU 2911 LEADERSHIP AND COMMUNICATION SKILLS DEVELOPMENT - RECRUITMENT AND PUBLIC RELATIONS**--A continuation of EDU 1911.

**EDU 2921 LEADERSHIP AND COMMUNICATION SKILLS DEVELOPMENT - RECRUITING AND PUBLIC RELATIONS**--A continuation of EDU 1911.

## **EDUCATIONAL PSYCHOLOGY**

**EPY 2513 CHILD PSYCHOLOGY/CEL 300 (HUMAN GROWTH & DEVELOPMENT I)**--A course which deals with the various aspects of human growth and development. Problems studies include physical, mental, social and emotional development from infancy through preadolescence. Special attention is given to the implications for education.

**EPY 2523/PSY 405 ADOLESCENT PSYCHOLOGY (HUMAN GROWTH & DEVELOPMENT II)**--A study of the individual during adolescent years.

**EPY 2533/CEL 300 (Elem Ed Maj) or PSY 405 (Secondary Ed Maj)**

or **PSY 307 HUMAN GROWTH AND DEVELOPMENT**--A study of the growth and development of the human organism from conception through old age to death. Topics include changes in abilities and interests, social and emotional adjustments of each maturity level, and implications of growth and development to health professionals and others who work with people.

## **ENGINEERING (GEN XXXives)**

**EGR 1113 ENGINEERING ECONOMICS**--Prerequisite: MAT 1313. Corequisite MAT 1814. The course covers aspects of investment analysis relating to equipment justification, retirement replacement in industry. The goal is to introduce students to the concepts of compound interest and equivalence, basic investment analysis and project selection.

**EGR 2413 ENGINEERING MECHANICS (STATICS)**--Equilibrium of point objects and extended objects in two and three dimensions using vector algebra. Distributed forces, structures, friction, and moments of inertia in three dimensions.

**EGR 2433 MECHANICS OF MATERIALS**--Prerequisite: EGR 2413. Free body diagrams equilibrium of simple structure; shear and bending moment diagrams; analysis of stress and strain; deflections of beams. (See Note)

**ENGLISH** (Courses may transfer in as 300-level, but will not be counted in total number of 300-level courses needed in the major)

**ENG 1103 DEVELOPMENTAL ENGLISH I/ENG 090, 091**--This course in writing stresses basic communication skills--writing of paragraphs, outlines, summaries and essays, general review of mechanics, and reading for ideas included.

**ENG 1203 DEVELOPMENTAL ENGLISH II/ENG 099**--A continuation of ENG 1103.

**ENG 1113 ENGLISH COMPOSITION I/ENG 101**--A study of grammar and composition with emphasis on the sentence, and the paragraph. Readings, frequent themes.

**ENG 1123 ENGLISH COMPOSITION II/ENG 102**--A continuation of ENG 1113 with emphasis on the whole composition. Readings, themes and research paper required.

**ENG 1213 HONORS COMPOSITION I/ENG 101**--Designed to develop the expository writing skills of academically talented students. Emphasizes logical thinking, objective analysis, clear organization of material, and precise writing. Enrollment by invitation.

**ENG 1223 HONORS COMPOSITION II/ENG 102**--Builds upon the skills acquired in first semester composition. Special attention given to critical reading of selections from various literary genres, to written analyses based upon the selections, to using the library, and to documented research writing. Enrollment by invitation.

**ENG 2133 CREATIVE WRITING I/ENG 302**--Consent of the instructor required. Writing the poem, the short story, the essay, and the play.

**ENG 2143 CREATIVE WRITING II-/*ENG 302***-A continuation of ENG 2133.

**ENG 2153 TRADITIONAL GRAMMAR/*ENG XXX***--Primarily for elementary education majors, this course focuses on English fundamentals. Beginning with parts of speech, it covers basic sentence patterns, pronouns, troublesome verbs, subject-verb agreement, spelling, diction, punctuation and mechanics - all the aspects of traditional grammar that the elementary teacher may encounter in teaching language skills for children. (See Note)

**ENG 2213 SURVEY OF AMERICAN LITERATURE/*ENG Lit XXX***--The

course is a survey of American literature from colonial times to the present, designed to develop an appreciation of our American heritage. (See Note)

**ENG 2223 AMERICAN LITERATURE I/*ENG Lit XXX***--Representative prose and poetry of the United States from Colonial beginnings through Walt Whitman.

**ENG 2233 AMERICAN LITERATURE II/*ENG Lit XXX***--Representative prose and poetry of the United States from Walt Whitman to the present.

**ENG 2323 ENGLISH LITERATURE I-*ENG Lit XXX*** A survey of English literature from Beowulf through the Ages of Neo-Classicism.

**ENG 2333 ENGLISH LITERATURE II *ENG Lit XXX***--A survey of English literature from the Age of Revolution and Romance to the present time.

**ENG 2353 HONORS ENGLISH LITERATURE I *ENG Lit XXX***--Prerequisite: six semester hours in Freshman Composition. Designed for students who have a special interest in English Literature and who have at least a "B" average in Freshman Composition. A study of English Literature from its beginning until 1798. An individualized course which attempts to program the study of literature to the student's major interests and skills. Enrollment by invitation.

**ENG 2363 HONORS ENGLISH LITERATURE II *ENG Lit XXX***--Prerequisite: six semester hours in Freshman Composition. Designed for students who have a special interest in English Literature and who have at least a "B" average in Freshman Composition. A study of English Literature from 1798 until the present. An individualized course which attempts to program the study of literature to the student's major interest and skills. Enrollment by invitation.

**ENG 2413 SURVEY OF WORLD LITERATURE *ENG Lit XXX***--(One Semester). The course is based on the categorizing of literature into three tempers: classical, romantic, and realistic. The study includes selection from those literary masterpieces of the western world which have become a part of our cultural and intellectual heritage. (See Note)

**ENG 2423 WORLD LITERATURE I *ENG Lit XXX***--Selected writings of the Orient, Greece, Rome and Medieval Europe.

**ENG 2433 WORLD LITERATURE II-- *ENG Lit XXX*** A continuation of ENG 2423. Selected European writings from the Renaissance to the present.

**ENG 2453 HONORS WORLD LITERATURE I *ENG Lit XXX***--Selected writings of the Orient, Greece, Rome and Medieval Europe. (Open through invitation only--see note)

**ENG 2463 HONORS WORLD LITERATURE II *ENG Lit XXX***--A continuation

of ENG selected European writings from the Renaissance to the present. (Open through invitation only--see note)

**ENG 2513 SURVEY OF AFRO-AMERICAN LITERATURE *ENG Lit XXX*** --

This course is a survey of African American Literature from the slave narratives from 1760 to the present.

**ENG 2613 FILM AS LITERATURE *ENG Lit XXX*** (See Note)

**ENG 2913 OCCUPATIONAL WRITING- *ENG XXX*** -The course begins with an assessment of the student's career goals and his current on-the-job demands. An individualized writing program is planned to complement career goals and to raise on-the-job writing efficiency. A wide range of types of writing may be covered, such as minutes of business meetings, instruction manuals, brochures, book reviews, observation/experience/research articles, and articles for local, regional, and national periodicals. Prerequisite: six semester hours in Freshman Composition. (See Note)

**ENG 2923 PROFESSIONAL WRITING *ENG XXX*** --This course is designed for students who are interested in writing as a marketable skill and in writing as a profession. Special emphasis is given to meeting specific publishing requirements. The major focus is on giving individualized direction in creative writing, such as novels, short stories, poems plays, television scripts, and magazine articles. Prerequisite: six semester hours in Freshman Composition. (See Note)

**FORESTRY AND WILDLIFE (GEN XXX)**

**FPW 1111 FOREST RESOURCES SURVEY**--Survey of the professional resource manager's role and career opportunities in providing forest-based goods and services.

**FPW 1213 WOOD TECHNOLOGY AND PRODUCTS**--A survey of wood structures, properties and products, including reconstituted wood products, chemicals from wood and wood preservation.

**FPW 1313 WILDLIFE AND FOREST CONSERVATION AND MANAGEMENT**--A survey of wildlife and forest conservation, stressing biological foundations and management practices for renewable resources.

**FPW 2314 - Soils** -- A general lecture/laboratory course in soils designed to give the student a basic understanding of all important phases of the subject, including soil genetics, morphology, classification, and the physical, chemical and biological aspects of soils, as applied to soil fertility. Soil management is included -fertilization and liming of soils.

**FPW 2324 - Dendrology** -- A lecture/laboratory course concerning taxonomy, morphology and identification of woody plants. Prerequisite - BIO 1314.

**FPW 2343 - Forest Measurements** -- This course is designed to introduce the student to the techniques, instruments and practices of measuring forest products.

**GEOGRAPHY**

**GEO 1113/*GEO 303* WORLD GEOGRAPHY**--A regional survey of the basic

geographic features and major new developments of the nations of the world.

**GEO 1123 PRINCIPLES OF GEOGRAPHY/GEO XXX**--A course which deals with the basic content of geography, planetary relationships of the earth, interpretation and use of maps, elements of weather and climate, regional distribution of climatic elements and the interrelationship of man's physical and cultural landscapes.

**GEO 2313 MAPS AND REMOTE SENSING/GEO XXX**--Fundamental principles of cartography and remote sensing, including types and applications. Attention is given to interpretation of surface features, environmental problem solving, and environmental planning.

## **GEOLOGY**

**GLY 1111 PHYSICAL GEOLOGY LAB**- Laboratory course which may accompany GLY 1113. Study of the common rocks, minerals, topographic maps and geologic maps. (See Note)

**GLY 1113 PHYSICAL GEOLOGY/Lab Science XXX**--Study of the earth, its materials and the forces acting upon them, and the land forms and their development. (See Note)

**GLY 1121 HISTORICAL GEOLOGY LAB**--Prerequisite: GLY 1111. Laboratory course which may accompany GLY 1123. Study of fossils and geologic maps. (See Note)

**GLY 1123 HISTORICAL GEOLOGY/Lab Science XXX**--Study of the earth, its history and development and its life, as revealed by the character and fossil content of rock. (See Note)

## **GRAPHICS AND DRAWING (GEN XXXives)**

**GRA 1113 ENGINEERING DRAWING I**--The use of instruments, geometric construction, orthographic projections, sectional views, and lettering. (See Note)

**GRA 1123 ENGINEERING DRAWING II**--Auxiliary views, dimensioning, axonometric projections, oblique drawings, and fasteners.

**GRA 1143 GRAPHIC COMMUNICATIONS**--Blue print reading, general use of instruments, understanding basic lines and planes. Lettering theory of projection drawing, technical communication through orthographic auxiliary and oblique vision.

**GRA 1153 VISUALIZATION AND GRAPHIC DESIGN**--Prerequisite: Drawing 1142. Freehand methods and practice in pictorial and orthographic projections. Detail and sectional graphic design problems involving the geometry of points, lines, and planes in space relationships. (See Note)

**GRA 2113 COMPUTER GRAPHICS**--This course covers the use of computer aided drafting programs to solve engineering drawing problems. Will cover use of computer plotter to produce drawings of two and three dimensional shapes. One hour lecture. four hours lab, and three credit hours. (See Note)

**GRA 2253 DESCRIPTIVE GEOMETRY**--Theory and problems designed to develop ability to visualize points, lines, and surfaces in space; to relate them to

each other; and to apply these relationships in the solution of drafting problems. (See Note)

## **HEALTH, PHYSICAL EDUCATION & RECREATION**

**HEA 1103 INTRODUCTION TO HEALTH / HSE XXX**--During this course, students will learn the fundamentals of personal health. Students will evaluate and assess their personal lifestyles; will develop a fitness program to enhance overall wellness; will review and discuss the fundamental health concerns associated with substance abuse; and will develop a nutritional food plan to enhance overall wellness.

**HPR 1111 GENERAL PHYSICAL EDUCATION ACTIVITIES I /PER XXX**--This course is designed to give students a modern concept of physical education and recreations by developing body skills. It includes individual and team sports, rhythms and recreational activities and is divided into units that coincide with the school term.

**HPR 1121 GENERAL PHYSICAL EDUCATION ACTIVITIES II/ PER XXX**--

This course is designed to give students a modern concept of physical education and recreations by developing body skills. It includes individual and team sports, rhythms and recreational activities and is divided into units that coincide with the school term.

**HPR 1131 VARSITY SPORTS /PER 351**--Participation in ( ) varsity sport. (name sport)

**HPR 1141 VARSITY SPORTS/ PER 351**--Participation in ( ) varsity sport. (name sport)

**HPR 1213 PERSONAL AND COMMUNITY HEALTH I/ HSE 140**--Application of principles and practices of healthful living to the individual and community; major health problems and the mutual responsibilities of home, school, and health agencies.

**HPR 1223 PERSONAL AND COMMUNITY HEALTH II/ HSE 140**--A continuation of HPR 1213. (See Note)

**HPR 1313 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION & RECREATION HEALTH,**

**HPR 1213 PERSONAL AND COMMUNITY HEALTH I/ HSE 140**--Application of principles and practices of healthful living to the individual and community; major health problems and the mutual responsibilities of home, school, and health agencies.

**HPR 1223 PERSONAL AND COMMUNITY HEALTH II/ HSE XXX**--A continuation of HPR 3. (See Note)

**HPR 1313 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION & RECREATION/ PER XXX**

Introduction to the objective, literature, and organizations of the profession. Analysis of successful teaching with discussion of the responsibilities and opportunity of professional personnel. Orientation of student to opportunities in the field.

**HPR 1511 TEAM SPORTS/ PER XXX**--Lecture on rules and techniques in (activities) ( ).(name sport)

**HPR 1521 TEAM SPORTS/ PER XXX**--Lecture on rules and techniques in (activities) ( ) (name sport)

**HPR 1531 INDIVIDUAL & DUAL SPORTS/ PER XXX**--Lecture and practice ( ) (name sport)

**HPR 1541 INDIVIDUAL & DUAL SPORTS/ PER XXX**--Lecture and practice ( ) (name sport)

**HPR 1551 FITNESS AND CONDITIONING TRAINING/ PER Activity**--

Lecture and practice in ( ) name: (1) body mechanics, ( ) (2) weight training or gymnastics.

**HPR 1561 FITNESS AND CONDITIONING TRAINING/ PER Activity**--

Lecture and practice in ( ) name: (1) body mechanics, ( ) (2) weight training or gymnastics.

**HPR 1571 DANCE I/ PER Activity**--Elementary dance techniques. Dance training includes classical ballet exercise, modern jazz rudiments, and precision marching. Emphasis placed on self improvement of individual students, including posture correction, make-up, modeling and figure control.

**HPR 1581 DANCE II /PER Activity**--Elementary dance techniques. Dance training includes classical ballet exercise, modern jazz rudiments, and precision marching. Emphasis placed on self improvement of individual students, including posture correction, make-up, modeling and figure control.

**HPR 1591 HEALTH CONCEPTS OF PHYSICAL ACTIVITY/ PER XXX**--A thorough investigation of contemporary health fitness concepts as they pertain to the individual student. This course contains three phases: (1) scientific information concerning values and preventive medical benefits of exercise; (2) individual (personal) evaluations and experiments to determine present health fitness status; (3) development of a personal exercise program based on a student's needs. (See Note)

**HPR 1613 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL I-/ PER**

**386** -This is a study of the growth and development of children including their interests and tendencies. Educational and physical education philosophy and objectives are stressed, as well as methods of teaching. Emphasis is placed on a conceptual approach based on mechanical laws and related concepts which results in a program of physical education presented in sequential progressive problem-solving situations. Theory and laboratory.

**HPR 1711 SPORTS APPRECIATION/ PER XXX**--This course is designed to develop spectator awareness and appreciation of the major sports in our society. Material will include a brief history of sport, rules, equipment, and etiquette associated with the sport.

**HPR 1751 NUTRITION AND WEIGHT CONTROL/ PER XXX**--A survey course designed to expose the student to the importance and significance of nutrition in health and physical education. (See Note)

**HPR 1761 WELLNESS & WEIGHT CONTROL/ PER XXX**--A survey course

that places emphasis on the various aspects of wellness and their relationship to weight control and therapeutic exercise. A study of the relationship between the various life style components and the levels of wellness is included. (See Note)

**HPR 2111 GENERAL PHYSICAL EDUCATION ACTIVITIES III /PER Activity**

**XXX** --This course is designed to give students a modern concept of physical education and recreations by developing body skills. It includes individual and team sports, rhythms and recreational activities and is divided into units that coincide with the school term.

**HPR 2121 GENERAL PHYSICAL EDUCATION ACTIVITIES IV /PER Activity**

**XXX** --This course is designed to give students a modern concept of physical education and recreations by developing body skills. It includes individual and team sports, rhythms and recreational activities and is divided into units that coincide with the school term.

**HPR 2131 VARSITY SPORTS--/ PER 351** Participation in ( ) varsity sport. (name sport)

**HPR 2141 VARSITY SPORTS/ PER 351** --Participation in ( ) varsity sport. (name sport)

**HPR 2213 FIRST AID & CPR/ HSE 244** --Instruction and practice in methods prescribed in the American Red Cross standard and advanced courses. (Does not transfer to some school as a physical education course).

**HPR 2221 WATER SAFETY AND LIFE SAVING--/PER 175** This is the American Red Cross Senior Life Saving Course with emphasis toward certifying life guards for swimming areas.

**HPR 2231 WATER SAFETY INSTRUCTOR/ PER** --Emphasis on knowledge and skills beyond the scope of Senior Life Saving, certifying personnel to conduct water safety in school and communities.

**HPR 2323 RECREATIONAL LEADERSHIP/ PER XXX** --Planning and leadership techniques for conducting community recreation centers, playgrounds, parks, and school recreation programs.

**HPR 2412 INDIVIDUAL & TEAM SPORTS OFFICIATING--/ PER XXX** Rules, interpretations, officiating techniques, and tournament organizations for individual and team sports for men and women. Open primarily to physical education majors. (See Note)

**HPR 2423 FOOTBALL THEORY/ PER XXX** --Theoretical study of football from an offensive and defensive standpoint including the fundamental of blocking, passing, tackling, charging, punting, generalship, rules and team play.

**HPR 2433 BASKETBALL THEORY/ PER XXX** --A theoretical study of basketball from an offensive and defensive standpoint, including the study of teaching of the fundamentals and team organization.

**HPR 2443 ATHLETIC TRAINING & TREATMENT OF INJURIES/ HSE 253** -A practical study of safety and first aid, taping, bandaging, and use of massage, and the uses of heat, light, and water in the treatment and prevention of injuries; conditioning of athletes as to diet, rest, work, and proper methods of procedures in training for sports. (See Note)

**HPR 2453 BASEBALL THEORY/ *PER XXX***--A theoretical study of baseball from a coaching standpoint; study of fundamentals and team play; methods of teaching fundamentals; team organization. (See Note)

**HPR 2462/2472 PHYSICAL EDUCATION (MAJOR SPORTS) / *PER XXX***--Coaching major sports. A survey of the leading coaching methods in use for the various sports. A discussion of strategy, conditioning, schedule making, and other coaching problems in football, basketball, baseball, and track. (See Note)

**HPR 2483 TRACK THEORY/ *PER XXX***--Theory and techniques of coaching track with

emphasis on psychology and philosophy of coaching. Teaching of fundamentals of each event stressed. The student is required to help conduct track meets.

**HPR 2511 TEAM SPORTS/ *PER XXX***--Lecture on rules and techniques.

Practice in (activities) ( ) (See Note). (name sport)

**HPR 2521 TEAM SPORTS-/ *PER XXX***--Lecture on rules and techniques.

Practice in (activities) ( ) (See Note). (name sport)

**HPR 2531 INDIVIDUAL & DUAL SPORTS/ *PER XXX***--Lecture and practice in ( ) (name sport)

**HPR 2541 INDIVIDUAL & DUAL SPORTS/ *PER XXX***--Lecture and practice in ( ) (name sport)

**HPR 2551 FITNESS AND CONDITIONING TRAINING *PER Activity***--Lecture and practice in ( ) name: (1) body mechanics, (2) weight training, ( ) or gymnastics.

**HPR 2561 FITNESS AND CONDITIONING TRAINING *PER Activity***--Lecture and practice in( ) name: (1) body mechanics, (2) weight training, ( ) or gymnastics.

**HPR 2571 DANCE III *PER Activity***--Advanced dance techniques. Dance training includes classical ballet exercise, modern jazz rudiments, and precision marching. Emphasis placed on self improvement of individual student, including posture correction, make-up, modeling and figure control. (See Note)

**HPR 2581 DANCE IV *PER Activity***--Advanced dance techniques. Dance training includes classical ballet exercise, modern jazz rudiments, and precision marching. Emphasis placed on self improvement of individual student, including posture correction, make-up, modeling and figure control. (See Note) Introduction to the objective, literature, and organizations of the profession. Analysis of successful teaching with discussion of the responsibilities and opportunity of professional personnel. Orientation of student to opportunities in the field.

## **HISTORY**

**HIS 1113 WESTERN CIVILIZATION I/*HIS 101***--A general survey of European history from ancient times to 1660 A.D. Recommended for freshman.

**HIS 1123 WESTERN CIVILIZATION II/*HIS 102***--A general survey of European civilization since 1600 A.D.

**HIS 1143 HONORS WESTERN CIVILIZATION I/*HIS 101***--Substitutes for HIS 1113.

Survey of the history of man, his government, economic, social, religious, intellectual, and aesthetic activities from the earliest time to the middle of the seventeenth century. Special projects and recitation required. Instructor approval required. (See Note)

**HIS 1153 HONORS WESTERN CIVILIZATION II/HIS 102**--Substitutes for HIS 1123. Continuation of HIS 1143 including European colonizations and imperialism in Asia, in Africa, and in the Americas; revolutionary movements of the 18th and 19th centuries; the movements leading to World War I, the aftermath of the war, the global events preceding the second world conflict; the Second World War, recent international developments. Special projects and recitations required. Instructor approval required. (See Note)

**HIS 1163 WORLD CIVILIZATION I/HIS XXX**--A survey of man's struggle for civilization from early times to the Commercial Revolution and the New Society. Covers all major areas of the globe with all receiving appropriate attention.

**HIS 1173 WORLD CIVILIZATION II/HIS XXX** A continuation of HIS 1163 from the Age of Absolutism through a survey of Modern World Problems. Emphasis again placed, as appropriate, on all areas of the world.

**HIS 1183 HONORS WORLD CIVILIZATION I/HIS XXX**--This course is the same as HIS 1163 except in those areas such as projects, activities, etc. normally associated with Honors courses. (See Note)

**HIS 1193 HONORS WORLD CIVILIZATION II/HIS XXX**--This course is the same as HIS 1163 except in those areas such as projects, activities, etc. normally associated with Honors courses. (See Note)

**HIS 1613 SURVEY OF AFRO-AMERICAN HISTORY/HIS XXX**--This is a survey of Afro-American history from the study of one or more African civilizations to the present day. Attention will also be given to the activities of other minority groups (See Note)

**HIS 2213 AMERICAN (U.S.) HISTORY I/HIS 201**--This course is a survey of U.S. history from the period of discovery and exploration through Reconstruction.

**HIS 2223 AMERICAN (U.S.) HISTORY II/HIS 202**--This course is a survey of U.S. history from Reconstruction to the present.

**HIS 2243 HONORS AMERICAN (U.S.) HISTORY I/HIS 201**--Substitutes for HIS 2213. Survey of political, economic, and social developments to 1877. Special projects and recitations required. Instructor approval required.

**HIS 2253 HONORS AMERICAN (U.S.) HISTORY II/HIS 202**--Substitutes for HIS 2223. Continued survey of political, economic, and social developments since 1877. Special projects and recitations required. Instructor approval required.

## HOME ECONOMICS

**HEC 1111 SOCIAL USAGE/FCS XXX**--Designed to help the student develop competencies in social interactions. The essential of good manners and accepted standards of social usage.

**HEC 1121 INTRODUCTION TO HOME ECONOMICS/FCS XXX**--A survey of home economics designed to show the value of home economics in personal and family living as well as in professional opportunities. (See Note)

**HEC 1131 INTRODUCTION TO MODELING/FCS XXX**--A course designed to teach students all the fundamentals of visual poise together with modeling techniques. Through this course, a student will not only learn basic rules for modeling but will also learn the various fields of modeling and will gain experience modeling and writing commentaries.

**HEC 1141 MODELING/FCS XXX**--A course designed to practice modeling and to train students to be professional models. The students will participate in style shows and perform for other audiences.

**HEC 1213 FOOD SELECTION AND PREPARATION/FCS 102**--Principles of food selection, preparation, and service. (See Note)

**HEC 1213 and HEC 2213 (together) will transfer in as /FCS 312**

**HEC 1233 PRINCIPLES OF NUTRITION/FCS XXX**--This course is a study of principles involved in food selection, food preparation, and food buying. Emphasis is placed on nutritive value of foods, planning, preparing, and serving meals under typical home conditions. (See Note)

**HEC 1241 SURVEY COURSE IN NUTRITION (NON-MAJORS) /FCS XXX**--Chemistry not required. Emphasizes nutritional standards; selection of food for the individual and family; laboratory experiences in preparation and serving of family needs.

**HEC 1253 NUTRITION/ FCS 345**--*This course is a study of nutrients required for normal growth and applied to the selection of food for ingestion, metabolic process of digestion, assimilation and absorption.*

**HEC 1263 MATERNAL, INFANT AND CHILD NUTRITION/FCS XXX**--A study of nutritional requirements during reproduction and growth, problems in nourishing women during the reproductive period, infants, and children through adolescent. The student identifies nursing care specific to indices in growth due to either poor eating habits or nutritional deficiencies.

**HEC 1313 ELEMENTARY CLOTHING and HEC 1353 ART OF DRESS AND PERSONAL GROOMING /FCS 244**--Study of fabrics most commonly used; selection of materials and ready-made clothing. Selection and use of commercial patterns. Planning and construction of garments of cotton, wool, and synthetics. Affords

practice in modeling and accessorizing of costumes and care of garments. (See Note) Application of design principles of selection and coordination of clothing accessories. Emphasis is placed on individual grooming, figure problems, make-up techniques, and personal appearance for occupations and careers. (See Note)

**HEC 2213 MEAL MANAGEMENT/FCS XXX**--Problems in planning, preparation, and service for average family meals as a nutritive requirements, food budgets and managerial principles. (See Note)

**HEC 2313 CLOTHING CONSTRUCTION/FCS 105**--Further principles of

selection and construction applied to various fabrics. (See Note)

**HEC 2413 THE HOUSE AND ITS FURNISHINGS/FCS 314**--This course includes a study of housing standards, factors influencing the selection of family shelter, house planning in relation to needs and income, and the selection and arrangement of household furniture and furnishings. (See Note)

**HEC 2813 FAMILY RELATIONSHIPS/FCS XXX**--Relationships and adjustments involved in modern family life that contributes to success and happiness in marriage and family living. (See Note)

### **HUMANITIES (HUM XXXives)**

**HUM 1113 HUMANITIES**--A humanistic approach to man's creative achievements in art, literature, music, and philosophy in western civilization. (See Note)

**HUM 1913 HONORS COLLOQUIUM FORUM I**--Students select from a list of fifty interdisciplinary topics compiled by the faculty, eight topics to be research and discussed during the semester. A short paper is required on each topic. Admission is by invitation only. From 1 to 3 hours credit.

**HUM 1923 HONORS COLLOQUIUM FORUM II**--Students select from a list of fifty interdisciplinary topics compiled by the faculty, eight topics to be research and discussed during the semester. A short paper is required on each topic. Admission is by invitation only. From 1 to 3 hours credit.

**HUM 2911 HONORS COLLOQUIUM FORUM III**--A continuation of HUM 1923.

**HUM 2921 HONORS COLLOQUIUM FORUM IV**--A continuation of HUM 2911.

### **INDUSTRIAL ARTS, INDUSTRIAL EDUCATION (GEN XXXives)**

**IED 1213 WOODWORKING I**--Knowledge, appreciation, and skill in use of hand tools; wood joints, finishes, fasteners, and job planning. (See Note)

**IED 1813 BASIC ELECTRICITY AND ELECTRONICS**--A study of basic electrical phenomenon to fundamental electronics. (See Note)

**IED 2313 GENERAL METAL WORK**--Sheet and wrought metal processing; experimentation in bench tools, metal design, jigs, machine processes and metal finishes; construction of metal projects. (See Note)

**IED 2323 FORGING AND WELDING**--Practice in hand forging; annealing, hardening, and tempering of tool steel; gas and electric welding. (See Note)

**IED 2413 HISTORY AND APPRECIATION OF THE ARTCRAFTS**--Growth and development of the artcrafts through the ages; instructional materials; practical designs; construction of projects in art metal, leather, plastics, ceramics, and other handicrafts. (See Note)

**IED 2613 INDUSTRIAL PSYCHOLOGY**--Application of psychological principles and methods to industry emphasizing employee selection, placement, merit rating, training, human relations, and measurements and improvements of employee morale. (See Note)

## **JOURNALISM**

**JOU 1111 COLLEGE PUBLICATIONS I/JOU 215**--The laboratory course is designed to give practical experience in working with college newspaper and yearbook production. News, feature, and editorial writing, make-up and layout, editing, advertising and photography will be emphasized according to student need.

**JOU 1121 COLLEGE PUBLICATIONS II/JOU XXX**--A continuation of JOU 1111.

**JOU 1223 BASIC NEWS REPORTING/JOU 201**--A course designed to teach news writing and editing with emphasis on news, features, sports, and interview stories and editorials.

**JOU 1313 PRINCIPLES OF JOURNALISM I/JOU 202**--Introductory journalism, news reporting, construction of the news story, sources, and the types and methods of handling elementary study of typography and headline writing.

**JOU 1323 PRINCIPLES OF JOURNALISM II/JOU XXX**--The preparation of advertising copy and layouts for newspapers, agencies, and retail advertising. Types of layouts; copy writing and proof- reading, with emphasis on proof marks.

**JOU 2111 COLLEGE PUBLICATIONS III/JOU XXX**--Open to journalism majors only who successfully completed JOU 1111, 1121, 1313, and 1323. Consent of instructor. Laboratory work will include coverage of news events on campus, photography, sports writing, and editorial writing. Advancement in skill of headline writing, copy editing, and make-up and design will also be stressed.

**JOU 2121 COLLEGE PUBLICATIONS IV/JOU XXX**--Open to journalism majors only who have successfully completed JOU 1111, 1121, 1313, 1323, and 2111. Consent of instructor. Laboratory work will include coverage of news events on campus, photography, and editorial writing. Advancement in skills in headline writing, copy editing, and make-up and design will be stressed.

**JOU 2213 EDITING/JOU XXX**--Problems and policies in processing news. Special areas of reporting. Selection, editing, and display of news. News channels, modern trends. Lecture plus laboratory experience with school newspaper. (See Note)

**JOU 2513 BEGINNING PHOTOGRAPHY/JOU XXX**--An introduction to basic photography. Students learn to take pictures, process film and print pictures. No previous experience required.

**JOU 2523 ADVANCED PHOTOGRAPHY/JOU XXX**--Advanced camera and darkroom techniques. Emphasis is placed on the composition and use of photographs. Color film processing. Prerequisite: Beginning Photography or permission of the instructor.

## **MATHEMATICS**

**MAT 1103 DEVELOPMENTAL MATH I/MAT 090**--This course is designed for the student who is lacking in fundamental arithmetic skills. The course will include the topics of fractions, decimals, percentages, and verbal problems.

**MAT 1111/MAT XXX - Basic Graphing Calculator** -- This course is designed for students who have little or no background in the use of a graphing calculator. Topics covered include keyboard layout, modes, menus, algebraic computations, graphing functions, statistics regression analysis and matrix operations.

**MAT 1121/MAT XXX - Advanced Graphing Calculator** -- This course is an continuation of MAT 1111. Topic covered include advanced matrix operations, parametric graphing, advanced function graphing, Boolean algebra and programming.

**MAT 1203 DEVELOPMENTAL MATH II/MAT 099**--A course in algebra to include signed numbers, first degree equations, products and factors, fractions, and solutions of two equations and two variables.

**MAT 1213 COLLEGE MATHEMATICS I (ARITHMETIC & ALGEBRA) /MAT 099**--This course is designed to develop for the student the mathematical concepts and techniques for a program in general education. The basic concepts of arithmetic and an introduction to the fundamentals of elementary algebra are presented.

**MAT 1223/MAT 099 COLLEGE MATHEMATICS II (ELEMENTARY ALGEBRA & ELEMENTARY**

**TRIGONOMETRY)**--A continuation of MAT 1213. In the course other basic ideas of elementary algebra are presented, such as quadratic equations, sets, functions and relations. A brief presentation of the trigonometry of right triangles and logarithms are discussed. (See Note)

**MAT 1233 INTERMEDIATE ALGEBRA/MAT 099**--Prerequisite: one year high school algebra. Designed for students whose preparation in algebra is inadequate for regular college algebra. Materials covered include algebraic factoring, fractions, problem solving, exponents, radicals, and quadratics.

**MAT 1313 COLLEGE ALGEBRA/MAT 104**--Prerequisite: at least two units of high school algebra, or MAT 1233. This course includes equations, inequalities, functions and graphs, circles, polynomial and rational functions, and systems of equations and inequalities.

**MAT 1323 TRIGONOMETRY/MAT 105**--Prerequisite: MAT 1313, or equivalent trigonometric functions; functions of the composite angle; fundamental relations; trigonometric equations; logarithms; radian measure; solution of right and oblique triangles, inverse trigonometric functions; and vectors.

**MAT 1333 FINITE MATHEMATICS/MAT 121**--Prerequisite: MAT 1313, or equivalent. Introduction and application of sets, functions, matrices, sequences, and linear programming oriented to business decision making and behavioral sciences.

**MAT 1343 ELEMENTARY FUNCTIONS/MAT 104**--Prerequisite: 2 credits of high school algebra and 1 credit in high school advanced mathematics with a minimum letter grade of "B" in each. Encompasses college algebra and trigonometry. (See Note)

**MAT 1443 MATHEMATICS FOR TEACHERS I/MAT 131**--Prerequisite: Math Placement

Level 3 and sophomore standing. Structure and development of the number systems. Intended for elementary and special education majors and for secondary education majors exclusive of those planning to teach secondary mathematics or science.

**MAT 1453 MATHEMATICS FOR TEACHERS II/MAT 231**--Prerequisite: MAT 1443.

Continuation of Mathematics for Teacher I. Informal geometry, measurement and basic ideas of probability. (See Note)

**MAT 1513 BUSINESS CALCULUS I/MAT 203**--The basics of Differential Calculus with emphasis on business applications. (See Note)

**MAT 1523 BUSINESS CALCULUS II/MAT 203**--The basics of Integral Calculus with emphasis on business applications. (See Note)

**MAT 1613 CALCULUS I-A /MAT XXX**--Coordinate systems; basic theorems of analytics; functions; limits; the derivative; the integral differentiation integration of algebraic functions; applications.

**MAT 1623 CALCULUS II-/MAT XXX**-- Differentiation and integration of transcendental functions; the definite integral; methods of integration; applications.

**MAT 1613 CALCULUS I-A and- MAT 1623 CALCULUS II-A/MAT 205**

**MAT 1653 HONORS CALCULUS I-A /MAT XXX**--Coordinate systems; basic theorems of analytics; functions; limits; the derivative; the integral differentiation integration of algebraic functions; applications. (Open through invitation only) (See Note)

**MAT 1663 HONORS CALCULUS II /MAT XXX**--Differentiation and integration of transcendental functions; the definite integral; methods of integration; applications. (Open through invitation only) (See Note)

**MAT 1653 HONORS CALCULUS I-A and MAT 1663 HONORS CALCULUS II /MAT 205**

**MAT 1723 THE REAL NUMBER SYSTEM/MAT 131**--Structure and properties of the number systems of arithmetic. Limited to students preparing to teach.

**MAT 1733 GEOMETRY, MEASUREMENT AND PROBABILITY/MAT 231**--

Basic ideas and structure of algebra; intuitive foundations of geometry; basic concepts of measurements, and probability. For elementary and special education majors.

**MAT 1753 QUANTITATIVE REASONING-/MAT 103**--Designed for students who need only three hours of unspecified mathematics. Includes basic mathematical concepts from logic, algebra, number theory, statistics, and modern applications. (See Note)

**MAT 1815 CALCULUS I/MAT 205**--Prerequisite: MAT 1313 and MAT 1323, or permission of instructor. This course includes basic theorems of analytic geometry; conics; functions; limits, continuity, and derivative; differentiation of algebraic functions; applications of the derivative; the differential; indefinite integral; the definite integral.

**MAT 1825 CALCULUS II/MAT 206**--Prerequisite: MAT 1815. This course

includes applications of the definite integral; exponential and logarithmic functions; trigonometric functions; hyperbolic functions; techniques of integration; indeterminate forms; improper integrals; Taylor's Formula.

**MAT 2113 INTRODUCTION TO LINEAR ALGEBRA/MAT 442**--Prerequisite:

Calculus II. Vector spaces, matrices, linear transformation; systems of linear equation determinates; characteristic values and characteristic vectors.

**MAT 2323 STATISTICS/MAT 300**--Introduction to statistical methods of collecting, presenting, analyzing, and interpreting quantitative data in a variety of fields.

**MAT 2413 MATHEMATICS AND COMPUTER APPLICATIONS/MAT XXX**--An introduction

to the use of microcomputer software programs to solve selected problems from College Algebra, Trigonometry, Calculus I-IV, Linear Algebra, and Differential Equations.

**MAT 2513/MAT XXX - Elementary Mathematical Analysis** -- Selected topics in quantitative methods with an emphasis on business applications. These selected topics will include Gauss-Jordan elimination, simplex methods for linear programming models and transportation and assignment algorithms.

**MAT 2613 CALCULUS III-A and MAT 2623 CALCULUS IV-A/MAT 207**--Solid analytics; vectors; improper integrals; line integration./ Infinite series; partial differentiation; multiple integrals.

**MAT 2815 CALCULUS III/MAT 207**--Prerequisite: MAT 1825. This course includes infinite series; vectors; parametric equations; solid analytical geometry; functions of more than one variable; partial derivatives; application of partial derivatives; line integrals; multiple integration. (See Note)

**MAT 2913 DIFFERENTIAL EQUATIONS/MAT 322**--Solution of first and higher order differential equations existence theorems; solutions by series, and applications to problems in geometry; physics and chemistry.

## **MILITARY SCIENCE- MSC XXX**

**AFR 1111 IN DEFENSE OF OUR NATION I**

**AFR 1121 LAB**

**AFR 1211 IN DEFENSE OF OUR NATION II**

**AFR 1221 LAB**

**AFR 2111 DEVELOPMENT OF AIR POWER I**

**AFR 2121 LAB**

**AFR 2211 DEVELOPMENT OF AIR POWER II**

**AFR 2221 LAB**

## **MODERN & FOREIGN LANGUAGE**

**MFL 1113 FRENCH I/FRE 101**--This course is designed to develop basic language skills; speaking, reading, writing. Phonetic symbols are used to aid correct pronunciation, but the principal aid is to be found in the language laboratory.

**MFL 1123 FRENCH II/FRE 102**--A continuation of French 1113. Special drill on verb forms and uses, as well as idiomatic vocabulary, by means of oral and written exercises.

**MFL 1136 FIRST YEAR FRENCH/FRE 101/102**--A combination course in one semester of

MFL 1113 and MFL 1123. Course meets 6 hours per week.

**MFL 1213 SPANISH I/SPA 101**--This course is designed to develop basic language skills: reading, writing, and speaking. Records are used to develop correct pronunciation. Drills on grammar through written and oral exercises are used in class work.

**MFL 1223 SPANISH II/SPA 102**--A continuation of MFL 1213. Special attention is given to irregular verbs and the subjunctive mood.

**MFL 1313 GERMAN I/GER 101**--This course covers the fundamentals of grammar, conversation, and reading. Emphasis is not only on syntax but also on vocabulary and pronunciation with practice in listening and speaking. (See Note)

**MFL 1323 GERMAN II/GER 101**--A continuation of MFL 1313. (See Note)

**MFL 1513 ELEMENTARY RUSSIAN I/Language XXX**--This course is designed to develop basic language skills: speaking, reading, writing in the Cyrillic alphabet. Phonetic symbols are used to aid correct pronunciation. Drills on grammar and the alpha-bet through written and oral exercises are used in class work.

**MFL 1523 ELEMENTARY RUSSIAN II/Language XXX**--A continuation of MFL 1513. Special emphasis is placed on irregular verbs and idiomatic vocabulary.

**MFL 2113 FRENCH III/FRE XXX**--A review of French grammar, and continued development of basic language skills. Reading materials are used which have literary and cultural value.

**MFL 2123 FRENCH IV/FRE XXX**--Literary and cultural appreciation of the language and the country is enhanced by the reading of a book which pictures life in a typical French village, with class conversation concerning the contents of this book.

**MFL 2136 SECOND YEAR FRENCH/FRE XXX**--A combination course of MFL 2113 and

MFL 2123 in one semester. Meets 6 hours per week.

**MFL 2143 FRENCH CONVERSATION I/FRE XXX**--Special emphasis is placed upon

pronunciations and conversation. Some grammar is reviewed. (See Note)

**MFL 2153 FRENCH CONVERSATION II/FRE XXX**--A continuation of MFL 2143. (See Note)

**MFL 2213 SPANISH III/SPA XXX**--A verb and grammar review and a further development of language skills. Reading materials used have literary and cultural value. Recording equipment is available for student's use.

**MFL 2223 SPANISH IV/SPA XXX**--A continuation of MFL 2213. Special

attention is given to rapid reading. Recording equipment permits the student to record and listen to his own and other students use of the language.

**MFL 2243 SPANISH CONVERSATION I/SPA XXX**--Special emphasis is placed upon pronunciation and conversation. Some grammar is reviewed. (See Note)

**MFL 2253 SPANISH CONVERSATION II/SPA 101**--A continuation of MFL 2243. (See Note)

**MFL 2313 GERMAN III/GER XXX**--This course is primarily a reading course. A review of grammar is provided as well as practice in comprehension and speaking. (See Note)

**MFL 2323 GERMAN IV/GER XXX**--A continuation of MFL 2313. (See Note)

**MFL 2613 FOREIGN LANGUAGE STUDY ABROAD/Gen XXX**--This course is

a study

abroad approach to learning the language and culture of a particular country. Each college will be responsible for designing their own course but should use this course number.

#### **MUSIC APPLIED (Applied Music classes will be evaluated by music department)**

(Brass, Guitar, Organ, Percussion, Piano, Strings, Voice and Woodwinds)

**MUA 1111, 1121, 2111, 2121 CLASS BRASS I, II, III, & IV** 1141, 1151, 2141,

**2151 BRASS FOR NON MAJORS (elective Brass) I, II, III, & IV** 1172, 1182,

**2172, 2182 BRASS FOR MUSIC EDUCATION MAJORS I, II, III, & IV** 1173,

**1183, 2173, 2183 BRASS FOR MUSIC MAJORS I, II, III,**

**& IV**

**MUA 1211, 1221, 2211, 2221 CLASS GUITAR I, II, III, & IV** 1241, 1251, 2241,

**2251 GUITAR FOR NON MAJORS (elective Guitar) I, II, III, & IV** 1272, 1282,

**2272, 2282 GUITAR FOR MUSIC EDUCATION MAJORS I, II, III, IV**

**MUA 1331, 1341, 2331, 2341 ORGAN FOR NON MUSIC MAJORS (elective**

**Organ) I, II, III, & IV**

**1362, 1372, 2362, 2372 ORGAN FOR MUSIC EDUCATION MAJORS I, II, III, &**

**IV 1363, 1373, 2363, 2373 ORGAN FOR MUSIC MAJORS I, II, III, & IV**

**MUA 1411, 1421, 2411, 2421 CLASS PERCUSSION I, II, III, & IV** 1441, 1451,

**2441, 2451 PERCUSSION FOR NON MAJORS (elective Percussion) I, II, III, &**

**IV 1472, 1482, 2472, 2482 PERCUSSION FOR MUSIC EDUCATION MAJORS**

**I, II, III, & IV 1473, 1483, 2473, 2483 PERCUSSION FOR MUSIC MAJORS I, II,**

**III, & IV**

**MUA 1511, 1521, 2511, 2521 CLASS PIANO I, II, III, & IV** 1541, 1551, 2541,

**2551 PIANO FOR NON MAJORS (elective Piano) I, II, III, & IV** 1542, 1552,

**2542, 2552 PIANO FOR VOICE MAJORS**

**1572, 1582, 2572, 2582 PIANO FOR MUSIC EDUCATION MAJORS I, II, III, &**

**IV 1573, 1583, 2573, 2583 PIANO FOR MUSIC MAJORS I, II, III, & IV**

**MUA 1611, 1621, 2611, 2621 CLASS STRINGS I, II, III, & IV** 1641, 1651, 2641,

**2651 STRINGS FOR NON MAJORS (elective Strings) I, II, III, & IV** 1672, 1682,

**2672, 2682 STRINGS FOR MUSIC EDUCATION MAJORS I, II, III, & IV** 1673,

**1683, 2673, 2683 STRINGS FOR MUSIC MAJORS I, II,**

III, & IV MUA 1711, 1721, 2711, 2721 CLASS VOICE I, II, III, & IV 1741, 1751, 2741, 2751 VOICE FOR NON MAJORS I, II, III, & IV 1772, 1782, 2772, 2782  
VOICE FOR MUSIC EDUCATION MAJORS I, II, III, & IV 1773, 1783, 2773, 2783 VOICE FOR MUSIC MAJORS I, II, III, & IV  
MUA 1811, 1821, 2811, 2821 CLASS WOODWINDS I, II, III, & IV  
1841, 1851, 2841, 2851 WOODWINDS FOR NON MAJORS (elective  
Woodwinds) I, II, III, & IV  
1872, 1882, 2872, 2882 WOODWINDS FOR MUSIC EDUCATION MAJORS I,  
II, III, & IV  
1873, 1883, 2873, 2883 WOODWINDS FOR MUSIC MAJORS I, II, III, & IV  
MUA 1911, 1921, 2911, 2921 CLASS COMPOSITION I, II, III, & IV  
1941, 1951, 2941, 2951 COMPOSITION FOR NON MAJORS (elective  
Composition) I, II, III, & IV  
1972, 1982, 2972, 2982 COMPOSITION FOR MUSIC EDUCATION MAJORS I,  
II, III, & IV  
1973, 1983, 2973, 2983 COMPOSITION FOR MUSIC MAJORS I, II, III, & IV  
MUO 1311, 1321, 2311, 2321 - String Orchestra I, II, III, IV.  
MUO 1341, 1351, 2341, 2351 - Jazz Improvisation I, II, III, IV.

**MUSIC FOUNDATIONS** (Education, History, Literature, & Theory)

**MUS 1113 MUSIC APPRECIATION *MUS Appre XXX***--Listening course  
designed to give the student, through aural perception, understanding and  
appreciation of music as a moving force in Western Culture.

**MUS 1123 MUSIC SURVEY (MAJORS)/*MUS XXX***--Listening course, designed  
to acquaint the music major with a broad overview of musical style and repertoire  
from antiquity to the present.

**MUS 1133 FUNDAMENTALS OF MUSIC/*MUS 100***--Provides the student with  
basic knowledge of notations, scales, keys, rhythm, intervals, triads, and their  
inversions.

**MUS 1153 HONORS MUSIC APPRECIATION *MUS Apprec XXX***--A critical  
and creative evaluation of music and its impact on Western culture. Segments  
will address the creative listening processes, the aesthetic experience, and  
historical functions of music in society. Activities will include concert attendance,  
research papers and round table discussions.

**MUS 1211 MUSIC THEORY I, LAB/*MUS152***--Prerequisite: Same as Music  
Theory I. Laboratory activities will center on developing listening, playing, and  
singing skills with major scales and cords, intervals up to a perfect fifth and  
primary chords. Sight-singing and playing while singing will also be emphasized.  
Other activities will include taking stepwise melodic dictation and rhythmic  
dictation in simple time.

**MUS 1214 MUSIC THEORY I/*MUS 150***--Recognition and part writing. Diatonic  
intervals, major and minor triads, rhythmic and melodic patterns. Correlated  
keyboard harmony and dictation. Sight singing in bass and treble clefs.

**MUS 1221 MUSIC THEORY II, LAB/*MUS 153***--Prerequisite: Minimum grade of  
"C" in MUS 1211. Laboratory activities will center on developing listening,

playing, and singing skills using all melodic intervals within the octave and all diatonic chords in a harmonic setting. Other activities will include taking melodic dictation with chordal skips and rhythmic dictation including compound time. Sight-singing and playing while singing will be emphasized.

**MUS 1224 MUSIC THEORY II/MUS 151**--A continuation of MUS 1214.

**MUS 1612 ELEMENTARY CONDUCTING**--The student will have a thorough knowledge of the art of choral and instrumental conducting and will be able to demonstrate techniques of conducting various styles of music.

**MUS 1811 MUSIC THEATRE WORKSHOP I/MUS XXX**--The workshop is designed to introduce the student to all facets of music theatre. One public performance will be given each semester. Open to music majors and non-music majors. (See Note)

**MUS 1821 MUSIC THEATRE WORKSHOP II/MUS XXX**--A continuation of MUS 1811. (See Note)

**MUS 1911 RECITAL CLASS I/MUS 104**--Required performance of solo and ensemble literature by students majoring in music. Attendance at maximum of five departmentally approved musical performances per semester also required.

**MUS 1921 RECITAL CLASS II/MUS 104**--A continuation of MUS 1911.

**MUS 2211 MUSIC THEORY III, LAB/MUS 252**--Prerequisite: Minimum grade of "C" in MUS 1221. Laboratory activities will center on developing listening, playing, and singing skills utilizing major, minor, chromatic pentatonic and whole tone scales as well as all modes. Also included will be practice with harmonic intervals and seventh chord. Sight-singing and playing while singing will be emphasized, as will harmonic dictation using all chord positions.

**MUS 2214 MUSIC THEORY III/MUS 251**--A continuation of MUS 1224.

**MUS 2221 MUSIC THEORY IV, LAB/MUS 253**--Prerequisite: Minimum grade of "C" in MUS 2211. Laboratory activities will center on developing singing, playing, and listening skills which include harmonic and melodic modulations as well as secondary dominants. Emphasis will be placed on melodic and rhythmic sight-reading and playing from a "leadsheet".

**MUS 2224 MUSIC THEORY IV/MUS 252**--A continuation of MUS 2214.

**MUS 2313 MUSIC HISTORY I/MUS History XXX**--Music of primitive nations; rise and developments of liturgy; the Polyphonic Age; the rise of opera and oratorio; the periods of Bach and Handel, Haydn, and Mozart; advent of Beethoven; American musical development.

**MUS 2323 MUSIC HISTORY II/MUS History XXX**--A continuation of MUS 2313.

**MUS 2413 MUSIC LITERATURE I/MUS XXX**--A listening course to give the student a better understanding of music through the ages. It offers the non-music major as well as the music major an opportunity to explore music as an art.

**MUS 2423 MUSIC LITERATURE II/MUS XXX**--A continuation of MUS 2413.

**MUS 2513 MUSIC FOR CHILDREN I/MUS XXX**--A study of the fundamentals of music, sight reading and terminology.

**MUS 2523 MUSIC FOR CHILDREN II-/MUS 320**--Methods, principles, and

materials for the teaching of music in the elementary school. (See Note)

**MUS 2811 MUSIC THEATRE WORKSHOP III-/MUS XXX**--A continuation of MUS 1821. (See Note)

**MUS 2821 MUSIC THEATRE WORKSHOP IV-/MUS XXX**--A continuation of MUS 2811. (See Note)

**MUS 2911 RECITAL CLASS II-/MUS 104I**--A continuation of MUS 1921. (See Note)

**MUS 2921 RECITAL CLASS IV-/MUS 104**--A continuation of MUS 2911. (See Note)

**MUSIC ORGANIZATIONS** (Band, Small Band Groups, Stage Band, Choir, Small Singing Groups)

**MUO 1111, 1121, 2111, 2121 BAND I, II, III, & IV**

**MUO 1141, 1151, 2141, 2151 SMALL BAND GROUPS I, II, III, & IV**

**MUO 1171, 1181, 2171, 2181 STAGE BAND I, II, III, & IV**

**MUO 1211, 1221, 2211, 2221 CHOIR I, II, III, & IV**

**MUO 1241, 1251, 2241, 2251 SMALL SINGING GROUPS I, II, III, & IV**

## **PARALEGAL**

**PLG 1113/PLS XXX INTRODUCTION TO PARALEGAL STUDIES**--The role of the paralegal in the practice of law. Introduction to legal research and source materials. Prerequisite for all other paralegal courses.

**PLG 2213/PLS XXX PARALEGAL BIBLIOGRAPHY AND RESEARCH I**--

Digests, encyclopedias. Statutory material. Citations. Factual research and current materials. Preparation of memoranda and other exercises in legal writing. Paralegal role in legal research (explored throughout term). Prerequisite: PLG 1113.

## **PHILOSOPHY AND BIBLE**

**PHI 1113 OLD TESTAMENT SURVEY/PHI XXX**--This is a study of the Old Testament covering the recorded events prior to Abraham and the history of the Hebrew nation as revealed in the books of history, prophecy and poetry.

**PHI 1133 NEW TESTAMENT SURVEY/PHI XXX**--This is a study of the New Testament covering the life of Christ and the establishment of the early church as presented in the Gospels, Acts, and the other New Testament books.

**PHI 1153 THE LIFE OF CHRIST/PHI XXX**--The aim of this course is to give the student a general knowledge of the most important events in the life of Christ in a chronological order as found in the Gospels. The Gospels will be studies as a unit endeavoring to get a composite picture of the life and earthly ministry of Jesus. (See Note)

**PHI 1163 ACTS AND THE EPISTLES/PHI XXX**--This course is chiefly a study of the work of the apostles as portrayed in the Book of Acts and the Epistles. Attention is given to the development of New Testament churches. Notice is taken of the proper setting of the various Epistles. (See Note)

**PHI 2113 INTRODUCTION TO PHILOSOPHY I/PHI 201**--An introduction to

systematic and philosophical thinking and study of significant men and trends of philosophy both past and present. The emphasis is on learning how to think properly and how to come to grips with "proper" thinking of great philosophers.

**PHI 2123 INTRODUCTION TO PHILOSOPHY II/PHI XXX**--A seminar for advanced students dealing with contemporary problems and personal development from a philosophic perspective. (See Note)

**PHI 2143 ETHICS/PHI XXX**--An introduction to classical moral philosophy with the investigation of some concrete moral problems. (See Note)

**PHI 2153 HONORS INTRO TO PHILOSOPHY/PHI 201**--An introduction to systematic and philosophical thinking and study of significant men and trends of philosophy both past and present. The emphasis is on learning how to think properly and how to come to grips with "proper" thinking of great philosophers. (Open through invitation only--see note)

**PHI 2613 WORLD RELIGIONS I/PHI XXX**--Comparison of the beliefs and developments of the Christian religion with those of Buddhism, Mohammedanism, Hinduism, and other important religions.

**PHI 2623 WORLD RELIGIONS II/PHI XXX**--A continuation of PHI 2613.

**PHI 2713 LOGIC/PHI XXX**--Attempts to provide an understanding to Aristotelian "forms of correct thought" and the first two orders of symbolic thought. (See Note)

## PHYSICS

**PHY 1113 ASTRONOMY I/PHY 205**--Study of the solar system. Occasional observatory at night. (See Note)

**PHY 1213 SURVEY OF PHYSICS I/PHY XXX**--Lectures and demonstrations covering classical and modern physics. (See Note)

**PHY 2243 PHYSICAL SCIENCE SURVEY I (LAB) /PHY XXX**--Designed for the non-technical student. A survey of laws of physics and astronomy.

**PHY 2253 PHYSICAL SCIENCE SURVEY II (LAB) /PHY XXX**--Designed for the non-technical student. A survey of chemistry, meteorology, and geology.

**PHY 2263 SCIENCE AND TECHNOLOGY/PHY XXX**--A survey of modern technology applications with specific emphasis on problem solving and career opportunities.

**PHY 2313 GENERAL PHYSICS I-/PHY XXX**--Deals with laws of mechanics and heat. (See Note)

**PHY 2323 GENERAL PHYSICS II--/PHY XXX**--Deals with laws of electricity, and sound. (See Note)

**PHY 2333 GENERAL PHYSICS III/PHY XXX**--Deals with electricity, magnetism, and atomic structure. (See Note)

**PHY 2414 GENERAL PHYSICS I/PHY 221**--Deals with mechanics, heat, and sound.

**PHY 2424 GENERAL PHYSICS II/PHY 222**--Deals with electricity, magnetism, light, and modern physics.

**PHY 2514 GENERAL PHYSICS I-A/*PHY 231*** --Taught with the aid of calculus. A study of mechanics, heat and sound. Primarily for engineering, science and mathematic students.

**PHY 2524 GENERAL PHYSICS II-A-/*PHY 232*** -A study of magnetism, electricity, and light. Primarily for engineering, science and mathematic students.

**PRM 2223 Program Planning and Development** - Techniques and processes in program planning, implementation, development and evaluation in recreation settings.

**PRM 1113 Foundations of Leisure** - Analysis of the Parks and Recreation profession to provide a basic understanding of leisure as an increasingly important component of our society.

#### **POLITICAL SCIENCE**

**PSC 1113 AMERICAN NATIONAL GOVERNMENT/*PSC 201***--Survey of the organizations, political aspects of basic for American government.

**PSC 1123 AMERICAN STATE AND LOCAL GOVERNMENT/*PSC 406***--Relationship between state and federal; government and between states and their sub divisions;

organizations, function, and operation of executive, legislative, and judiciary; elections and suffrage generally, Mississippi particularly.

**PSC 1153 HONORS AMERICAN GOVERNMENT/PSC 201**--Survey of the organizations, political aspects of basis for American government. (Open through invitation only)

**PSC 2113 COMPARATIVE GOVERNMENT/PSC XXX**--A survey of various governmental systems.

## **PSYCHOLOGY**

**PSY 1513 GENERAL PSYCHOLOGY I/PSY 101**--An introduction to the scientific study of human behavior. Includes history and methods of psychology; growth and development; principles of learning; sensation and perception; thinking; statistics; personality; and intelligence.

**PSY 1523 GENERAL PSYCHOLOGY II/PSY XXX**--Prerequisite: Psychology 1513. A continuation of PSY 1513, emphasizing applied psychological methods and principles. Includes motivation and emotion; abnormal behavior, mental health and therapy; group processes; mass communication and persuasion and industrial psychology.

**PSY 2113/PSY XXX Laboratory in Psychology: Cognition & Behavior** - Students will experience discussion and application of descriptive (survey, case study, archival, and observational) correlation and experimental research methods. Specifically, the purpose is to train students to understand and use research principles, ethics, issues, and methodology for conducting entry-level independent research projects by studying specific areas of human behavioral, perceptual, and cognitive functioning. The student will be introduced to research ethics and issues.

**PSY 2553 PSYCHOLOGY OF PERSONAL ADJUSTMENT/PSY XXX**--

Prerequisite: PSY 1513. A course to aid in developing an understanding of the causes and symptoms of emotional maladjustment. Emphasis is placed upon preparing the students to anticipate and deal with their own problems and to improve their understanding of the behavior of others.

## **READING**

**REA 1103 DEVELOPMENTAL READING I/CRD 099** A laboratory course designed to offer special reading instruction to students deficient in reading skills.

**REA 1203 DEVELOPMENTAL READING II/CRD 099** --A continuation of REA 1103.

**REA 1213 READING IMPROVEMENT I/CRD 099** --A course provided to help students develop reading skills necessary for success in college. Diagnostic testing followed by practice in skills according to the needs of the student. Emphasis on spelling, pronunciation, vocabulary and study skills. Guidance in developing wide reading interests. Credit may be for 1 to 3 hours.

**REA 1223 READING IMPROVEMENT II/CRD 099** --A continuation of REA 1213.

**REA 1233 SPEED READING I/CRD 099**--Diagnostic testing followed by practice in skills according to the needs of the students. Emphasis on comprehension skills such as summarizing, organizing, and drawing conclusion. Guidance in developing wide reading interests that will provide background for college courses. Credit may be for 1 to 3 hours.

**REA 1303 DEVELOPMENTAL READING III/CRD 099**--Develops reading skills necessary for success in college. Diagnostic testing followed by practice in skills according to the needs of the student. Emphasis on comprehension and vocabulary skills. Guidance in developing wide reading interests.

## **SOCIOLOGY**

**SOC 1113 INTRODUCTION TO SOCIAL SCIENCE SOC XXX**--The fundamental principles of sociology are presented in an interesting and practical manner for the beginner.

**SOC 1123 AMERICAN INSTITUTION AND ORGANIZATIONS SOC XXX**--Changes since the Industrial Revolution. Roles followed by the individual interactions between individuals and between individuals and groups.

**SOC 1213 SOC XXX - Community Involvement**-- This is an XXXive course designed to provide students with experience in a public or human service agency, or other appropriate work environment, and to encourage them to recognize the value of their active participation in the service/ learning process. This course requires 16 hours of seminar, 60 hours of field experience and reflective work in the form of journals and essays.

**SOC 1513 ETHNIC RELATIONS/ SOC XXX**--Economic, political, educational, and racial status of ethnic minorities in the U.S. Also, relations between minority and dominant groups.

**SOC 2113 INTRODUCTION TO SOCIOLOGY I/SOC 101**--Deals with human relationships. Students will receive a synopsis of the whole field of sociology; including the social world, the social and cultural process within this world, and the integration of these processes in relation to the individual, the group, and the institution.

**SOC 2123 INTRODUCTION TO SOCIOLOGY II SOC XXX**--A continuation of SOC 2113.

**SOC 2133 SOCIAL PROBLEMS SOC 403**--A study of the nature, scope, and effects of the major social problems of today and the theoretical preventive measures to alleviate them. Course includes such problems as unemployment, urbanization, crime, juvenile delinquency, alcoholism, drug addiction, and disaster, family problems include the aged, mentally ill, and retarded. Field trips to more fully acquaint students with social problems.

**SOC 2143 MARRIAGE AND FAMILY SOC 401**--A study of the family as a cultural unit, the institution of marriage, the problems of parenthood and of social-economic adjustments to society.

**SOC 2153 THE FAMILY SOC XXX**--A study of the family institution, with

special emphasis on the contemporary American family.

**SOC 2163 INTRODUCTION TO SOCIAL WORK SWO XXX**--A survey of the history and contemporary development of social work. Relation of social work to other social problems, poverty, child welfare, aging, family needs, juvenile delinquency, etc.

**SOC 2173 HONORS INTRODUCTION TO SOCIOLOGY I SOC 101**--The nature and development of culture; social aspects of personality; culture change; and, an analysis of community life, population trends, social classes, institutions, processes, and organization. Special projects, activities and recitation opportunities provided.

**SOC 2183 HONORS INTRODUCTION TO SOCIOLOGY II SOC XXX**--(For when Honors Introduction to Sociology II is requested - space will already be reserved).

**SOC 2213 INTRODUCTORY ANTHROPOLOGY ANT 101**--A survey of major fields and basic principles in the comparative study of mankind.

**SOC 2243 CULTURAL ANTHROPOLOGY ANT XXX**--(Reactivation) The course examines the process of culture and personality development, methods and techniques employed by the anthropologist. Included are studies of primitive cultures, demonstrations of the precision required in archaeological excavation and film interviews with anthropologists.

**SOC 2253 SOCIOLOGY OF AGING/OR INTRODUCTION TO GERONTOLOGY**

**SOC XXX**-- Prerequisite: SOC 2113. Systematic study of the psychological, physical, and social conditions of aging adults in society with emphasis on health, interpersonal problems, housing, employment, retirement/widowhood, exploitation, and death.

**SOC 2611 SOCIOLOGY, INDIVIDUAL STUDY PROJECT SOC XXX**--

Designed to allow students to pursue special interest projects in sociology to fit the needs and interests of students. Papers and discussions required. Open to sophomore students only with consent of program advisor. Will not substitute for core requirements in Sociology.

## **SPEECH AND THEATRE**

**SPT 1103 BASIC SPEAKING AND LISTENING I/*Developmental Course***--  
Institutional credit only. Will not substitute for the speech requirements in any curriculum. Stresses basic communication skills -speaking with groups and individuals and groups.

**SPT 1203 BASIC SPEAKING AND LISTENING II/*Developmental Course***--  
-A continuation of SPT 1103. This course is organized to develop your speaking effectiveness in person-to-person, small group and public speaking situations. Emphasis is placed on practice.

**SPT 1113 ORAL COMMUNICATIONS (PRINCIPLES OF SPEECH) /SPE 101**  
--Correct and effective English; correct pronunciation and enunciation; breath control; study and practice in making speeches for all occasions, major emphasis on organization of material; and practice in speaking before the group.

**SPT 1123 ARGUMENTATION AND DEBATE/SPE 205**--The study and application of basic argumentative techniques; integration of speech techniques through frequent class debates.

**SPT 1131 FORENSICS I/SPE XXX**--Forensics in an activity course in public speaking which includes; oratory, declamation, oral interpretation, extemporaneous speaking, and debate. Students participate in intercollegiate forensic contests and debate tournaments.

**SPT 1141 FORENSICS II/SPE XXX**--A continuation of SPT 1131.

**SPT 1153 VOICE AND DICTION**--Prerequisite: SPT 1113. International Phonetic Alphabet, voice organs, speech history, and oral reading. Basic voice problems.

**SPT 1163 HONORS ORAL COMMUNICATIONS/SPE 101**--Methods,

techniques, and

psychological processes and adjustments necessary in preparing, organizing, and presenting speeches. Special projects, activities, and opportunities for independent study provided.

**SPT 1213 FUNDAMENTALS OF THEATRE/SPE XXX**--A basic course in the theatre arts. An introduction of the cultural, historical, and social aspects of the drama; investigation of essential elements of play production.

**SPT 1222 MOVEMENT FOR THE ACTOR-/SPE XXX** -Techniques for stage movement for the actor.

**SPT 1233 ACTING/SPE XXX**--An introduction to the theatre and the art of acting. Emphasis is placed on the technical aspects of acting and on the expressive use of the body in stage movement. Classroom work in mime and the presentation of scenes from plays prepare the student for required performance in either a workshop or major production. A production laboratory in connection with the class introduces the student to the technical phases of the theatre which contribute to the effectiveness of the work of the actor.

**SPT 1241 DRAMA PRODUCTION I/SPE XXX**--Participation in college drama productions.

**SPT 1251 DRAMA PRODUCTION II/SPE XXX**--Participation in college drama.

**SPT 1273 THEATRICAL MAKEUP/SPE XXX**--Techniques in the application of makeup for the stage.

**SPT 2111 CONTEST SPEECH I/SPE XXX**--Offered to students interested in intercollegiate speech competition.

**SPT 2121 CONTEST SPEECH II/SPE XXX**--A continuation of SPT 2111.

**SPT 2143 ORAL INTERPRETATION/SPE XXX**--Training is given in the

techniques

of oral interpretative reading, its theories and practices. Emphasis is placed on studies of the backgrounds of the authors and situations, and upon reading the printed page.

**SPT 2163 PUBLIC SPEAKING/SPE XXX**--Prerequisite: Speech 1113. A course in the study of the forms of public speaking with stress placed upon the

organization of materials and delivery techniques for extemporaneous speaking. Attention is given to the fundamentals of persuasive speaking.

**SPT 2223 INTRODUCTION TO DRAMATIC ARTS (STAGECRAFT) /SPE**

**XXX** --Stagecraft,

lighting, make-up, acting, and production techniques. Students are required to participate in assigned plays. Three lectures plus laboratory in actual play production.

**SPT 2233 THEATRE APPRECIATION (NON-MAJORS/SPE 225)**--

Appreciation of the theatre as performance art; developing audience standards through demonstration of the unique characteristics of theatre. A fine arts XXXive. Three hours lecture.

**SPT 2241 DRAMA PRODUCTION III/SPE XXX**--Participation in college drama.

**SPT 2251 DRAMA PRODUCTION IV/SPE XXX**--Participation in college drama.

**SPT 2263 DIRECTING/SPE XXX**--Principles of stage directing, preparation of a director's prompt book and the directing of a play.

**SPT 1203 BASIC SPEAKING AND LISTENING II**--A continuation of SPT 1103. This course is organized to develop your speaking effectiveness in person-to-person, small group and public speaking situations. Emphasis is placed on practice.

The system of identifying courses in all college parallel curricula was adopted in 1971 to become implemented in the fifteen public junior college districts during the 1972-73 school year. The

leadership and efforts provided by the Mississippi Junior College Deans' Association make this course numbering system possible. A general revision of the numbering system is prepared every

five years; however, new courses are constantly reviewed by a screening committee of the Mississippi Junior College Deans' Association. When a new course is added, the name of the course, a complete course description and the course number is furnished to all universities and colleges in the form of an addendum in October and in March each year. Each course in the numbering system has a three letter prefix which identifies the subject field to which the course belongs. Examples: **ENG** identifies an English course, **MAT** identifies a math course, etc. The numbers, from the left, represent the following:

First number designates year

**Example:** 1113 indicates first year's work

2113 indicates second year's work

Second number designates grouping

**NOTE** -- Grouping are consistent for each year but not from year one to year two

Third number designates sequence in a group

Fourth number designates course credit hours

Credit may vary from course credit shown by varying this number

**Example:** 1213 and 1214 with the same letter prefix indicate the same basic

course, but with different credit due to more lecture or laboratory time. If a zero "O" appears in a number, other than credit hours, it indicates institutional credit.

**Example:** 1103 indicates institutional credit

**Special Note:** This course is taught at four or less community colleges. It is not taught at other institutions since it is designed to meet a local need and fit in to a transfer pattern unique to a few colleges. These courses are identified at the end of the course description with their notation.

#### **PROCESS FOR REQUESTING A COURSE FOR INCLUSION IN THIS BOOK:**

1. Complete a copy of the form attached on the next page.
2. Send to the chairman of the course numbering system.
3. The course will be cleared through the state office for pay purposes once it is approved.
4. The school making the request will be notified as soon as possible.
5. All other schools will be notified when the addendum is put together during the next summer.

Form Page