

## **ACADEMIC UNIVERSITY PARALLEL PROGRAMS DESCRIPTION OF COURSES**

The academic courses offered by Mississippi Delta Community College follow the uniform course numbering system for public junior/community colleges in Mississippi. The numbers for university parallel courses carry four digits. The first digit indicates the year that the course is normally taught. Generally courses required or recommended for freshmen begin with a "1" and courses at the sophomore level begin with a "2." The last of the four digits indicates semester hours credit carried by the course. The second and third digits are used to separate courses within departments. The course descriptions are those adopted in the uniform numbering system and are intended to be equivalent to those courses offered at the same level at four-year institutions.

### **ACCOUNTING (ACC)**

**ACC 1213. PRINCIPLES OF ACCOUNTING I.** A study of the fundamental accounting principles that relate to business. The topics to be covered include the accounting cycle, accounting systems for services and merchandising businesses, assets, liabilities, and equity

**ACC 1223. PRINCIPLES OF ACCOUNTING II.** A continuation of ACC 1213. The topics to be covered include managerial accounting concepts and internal business decision making. Prerequisite: Accounting 1213.

### **ART (ART)**

**ART 1113. ART APPRECIATION.** 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 1313. DRAWING I.** 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. Prerequisites: ART 1443.  
Lecture/Laboratory, six hours.

**ART 1323. DRAWING II.** Introduction to color dynamics and precision drawing as used in creative expression. Emphasis on composition. Required of art majors.  
Prerequisite: ART 1313.  
Lecture/Laboratory, six hours.

**ART 1433. DESIGN I.** 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. This course is a prerequisite for Design 1443 and all other Art courses with exception of ART 2613 and ART 2433. Lecture/Laboratory, six hours.

**ART 1443. DESIGN II.** To provide students with an understanding of color theory and applications of color so that there begins to be an informed as well as an intuitive sense of seeing, mixing and applying color and light to design problems.

Prerequisite: ART 1433.

Lecture/Laboratory, six hours.

**ART 1453. THREE DIMENSIONAL DESIGN.** 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.

Prerequisite Art 1443. Lecture/lab three hours.

**ART 1513. COMPUTERS IN ART.** An introduction to the theory and practice of using the computer to create art. A study of methods and applications utilizing the computer and selected software applications.

**ART 2513. PAINTING I.** Techniques used in painting watercolors, oils, pastel or other media in still life and landscape pictures.

Prerequisites: ART 1423.

Lecture, three hours, laboratory, three hours.

**ART 2523. PAINTING II.** Advanced problems in different media.

Prerequisite: ART 2513.

Lecture, three hours, laboratory, three hours.

**ART 2613. CERAMICS I (POTTERY I).** 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.

Lecture/laboratory, three hours.

**ART 2623. CERAMICS II (POTTERY II).** A continuation of ART 2613.

Prerequisite: ART 2613.

Lecture/laboratory, three hours.

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

Lecture/laboratory, three hours.

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

Lecture, three hours.

## **BIOLOGY (BIO)**

**BIO 1111. PRINCIPLES OF BIOLOGY I LAB.** Selected laboratory exercises to illustrate the principles taught in Principles of Biology I.

**BIO 1113. PRINCIPLES OF BIOLOGY I LECTURE.** An introduction to the basic principles of modern biology for non-science majors and their relevance to human life. Emphasis is on the nature and history of scientific thought, basic biological chemistry, cell biology and processes, and genetics.

**BIO 1121. PRINCIPLES OF BIOLOGY II LAB.** Selected laboratory exercises to illustrate the principles taught in Principles of Biology II.

**BIO 1123. PRINCIPLES OF BIOLOGY II LECTURE.** An introduction to biological science for non-science majors, emphasizing the relationships of humans to the environment, taxonomy, ecology, and environmental concerns.

**BIO 1131. GENERAL BIOLOGY I LAB.** Selected experiments to illustrate the principles taught in General Biology I.

**BIO 1133. GENERAL BIOLOGY I.** (For science related majors) A lecture course that includes study of the scientific method, chemistry relevant to biological systems, cell structure and physiology, cell processes including photosynthesis and cellular respiration, cell division, genetics, and molecular genetics.

**BIO 1141 GENERAL BIOLOGY II LAB.** Selected experiments to illustrate the principles taught in General Biology II.

**BIO 1143. GENERAL BIOLOGY II.** (For science related majors) A lecture course that reinforces concepts introduced in BIO 1133 General Biology I Lecture, while emphasizing the diversity of life. Topic covered include adaptation by nature selection, classification, ecology, detailed consideration of each group of organisms and viruses, study of animals and plants including they basic anatomy and physiology. (Pre-requisite: BIO 1133 and BIO 1131)

**BIO 1311. BOTANY I LAB.** Selected experiments to illustrate the principles taught in Botany.

**BIO 1313. BOTANY I LECTURE.** A lecture course covering the representative groups of the plant kingdom, their anatomy, physiology, taxonomy, and economic importance.

**BIO 1411. GENERAL ZOOLOGY LABORATORY.** A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1413 General Zoology Lecture.

**BIO 1413. GENERAL ZOOLOGY LECTURE.** A lecture course that covers phylogeny and classification systems and studies of the invertebrate and vertebrate taxa.

**BIO 1514 PRICIPLES OF ANTOMY AND PHYSIOLOGY I.** A combined lecture and laboratory course that provides an introduction to the anatomical and physiological study of the human body at the molecular, cellular, tissue, organ, and organ system levels. Organ systems covered in this course are the integumentary, muscular, skeletal and nervous systems. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. (This course is design for practical nursing students only and can only be taken by those students admitted to the program. It will NOT satisfy requirements of BIO 2513, 2511, 2523 and 2521.)

**BIO 1524 PRINCIPLES OF ANTOMY AD PHYSIOLOGY II.** A combined lecture and laboratory course that provides an introduction to the anatomical and physiological study of human special senses and the endocrine, circulatory, respiratory, digestive, and urinary systems, as well as reproduction and development. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

**BIO 2311. DENDROLOGY LAB.** Selected experiments to illustrate the principles taught in Dendrology.

**BIO 2313. DENDROLOGY.** A lecture course concerning taxonomy, morphology, ecology, and identification of woody plants.  
Prerequisite: BIO 1313

**BIO 2411. ZOOLOGY I LAB.** Selected experiments to illustrate the principles taught in Zoology I.

**BIO 2413. ZOOLOGY I LECTURE.** A lecture course that includes in-depth studies of phylogeny and classification systems, protozoa, and major invertebrate phyla.

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

**BIO 2423. ZOOLOGY II. LECTURE.** A lecture course that includes in-depth studies of animal phyla with emphasis on the vertebrates and animal systems.

**BIO 2511. HUMAN ANATOMY AND PHYSIOLOGY I LAB.** Selected laboratory exercises to illustrate the principles taught in Human Anatomy and Physiology I.

**BIO 2513. HUMAN ANATOMY AND PHYSIOLOGY I LECUTRE.** A lecture course that covers the anatomical and physiological study of the human body as an integrated whole. The course includes detailed studies of: biological principles; tissues; and the integumentary, skeletal, muscular and nervous system.

**BIO 2521. HUMAN ANATOMY AND PHYSIOLOGY II LAB.** Selected laboratory exercises to illustrate the principles taught in Human Anatomy and Physiology II.

**BIO 2523. HUMAN ANATOMY AND PHYSIOLOGY II LECTURE.** A lecture course that includes detailed studies of the anatomy and physiology of the human special senses and the endocrine, circulatory, respiratory, digestive, and urinary systems, as well as reproduction and development.

**BIO 2921. MICROBIOLOGY LAB.** A laboratory course devoted to lab safety and gaining hands-on experience in the area of: microscopy, culturing techniques (pure culture and isolation and media preparation), staining techniques, aseptic technique, diagnostic procedures and effectiveness of antimicrobial agents

**BIO 2923. MICROBIOLOGY LECTURE.** A lecture course providing a survey of the microbes with emphasis on those affecting other forms of life, especially man.

### **BUSINESS (BAD)**

**BAD 2323. BUSINESS STATISTICS.** Introduction to statistical methods of collecting, presenting, analyzing, and interpreting quantitative data for business management and control. Prerequisite: MAT 1313.

**BAD 2413. LEGAL ENVIRONMENT OF BUSINESS.** 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 contracts; agencies and employment; negotiable instruments and commercial papers.

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

**BAD 2723. REAL ESTATE LAW.** Designed to give the students a general background in the law of real property and the law of the real estate brokerage. Prerequisite: BAD 2713 or co requisite: BAD 2733.

**BAD 2733. REAL ESTATE FINANCE.** A study of the 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. Prerequisite or co-requisite: BAD 2723.

### **BUSINESS (BOA)**

**BOA 1413. KEYBOARDING.** This course is designed to develop basic keyboarding skills needed to operate a microcomputer if such a course was not completed at the high school or junior high level or if the touch typing method has not been perfected.

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

Prerequisites: CSC 1123 Micro Applications I and ENG 1123 English Composition II.

## **CHEMISTRY (CHE)**

**CHE 1114. CHEMISTRY SURVEY (BASIC).** A combined lecture and laboratory basic chemistry course that covers terminology, measurements, atomic structure, nomenclature, chemical equations and basic stoichiometry. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

**CHE 1211. GENERAL CHEMISTRY LABORATORY I.** Selected experiments to illustrate the principles taught in CHE 1213 General Chemistry I lecture.

**CHE 1213. GENERAL CHEMISTRY I LECTURE.** A lecture course that covers atomic and molecular structure, nomenclature and chemical formulas, chemical reactions, mole concept and stoichiometry, bonding, and gases.

**CHE 1221. GENERAL CHEMISTRY LABORATORY II.** A continuation of General Chemistry Lab I (1211).

**CHE 1223. GENERAL CHEMISTRY II LECTURE.** A lecture course that covers solutions, kinetics, equilibria, thermodynamics, acid-base chemistry, and electrochemistry.

**CHE 1311. PRINCIPLES OF CHEMISTRY I LAB.** Selected experiments to illustrate the principles taught in Principles of Chemistry I lecture.

**CHE 1313. PRINCIPLES OF CHEMISTRY I LECTURE.** A lecture course that emphasizes basic terminology, measurement, atomic structure, periodic table, chemical bonding, stoichiometry, energy and states of matter.

**CHE 1321. PRINCIPLES OF CHEMISTRY II LAB.** Selected experiments to illustrate the principles taught in Principles of Chemistry II lecture.

**CHE 1323. PRINCIPLES OF CHEMISTRY II LECTURE.** A lecture course that emphasizes chemical stoichiometry, gases, solutions, acids/bases, and an introduction to organic chemistry.

**CHE 2411. INTRODUCTION TO ORGANIC CHEMISTRY LAB.** Selected experiments to illustrate the principles taught in CHE 2413 Introduction to Organic Chemistry lecture.

**CHE 2413. INTRODUCTION TO ORGANIC CHEMISTRY LECTURE.** A lecture course in the fundamentals of organic chemistry for students requiring one semester of organic chemistry.

**CHE 2421. ORGANIC CHEMISTRY I LAB.** Acquaints students with important manipulations and procedures and the preparation and study of organic compounds being introduced in CHE 2423 Organic Chemistry I Lecture.

**CHE 2423. ORGANIC CHEMISTRY I LECTURE.** A lecture course that covers carbon chemistry, bonding structure and behavior, aliphatic compounds, stereochemistry, and reaction mechanisms. Prerequisite: CHE 1213 and CHE 1223.

**CHE 2431. ORGANIC CHEMISTRY II LAB.** A laboratory course that acquaints students with important manipulations and procedures, as well as the preparation and study of aromatic and complex organic compounds being introduced in CHE 2433 Organic Chemistry II Lecture.

**CHE 2433. ORGANIC CHEMISTRY II LECTURE.** A lecture course that covers spectroscopy, aromatic compounds, carbonyl compounds and other complex compounds, with emphasis on reactions, reaction mechanisms, and nomenclature. Prerequisite: CHE 2423 and CHE 2421.

### COMMUNICATIONS (COM)

**COM 1001 COMMUNICATION SKILLS ( REMEDIAL COURSE).** A computerized instructional course to enhance basic skills in language and writing. Diagnostic testing and prescribed lessons will be given. An individualized educational plan including computer-assisted instruction and written assignments will be given. May be repeated.

### COMPUTER SCIENCE (CSC)

**CSC 1123. MICROCOMPUTER APPLICATIONS I.** This course is designed to teach an introduction to microcomputer applications to include: operating systems, word-processing, electronic spreadsheet, database management, presentation design, communications, and internet access with the integration of these applications.  
Prerequisite: BOA 1413 Keyboarding or high school typing.

**CSC 1133. MICROCOMPUTER APPLICATIONS II.** This course is a continuation of CSC 1123 with concentration on advanced microcomputer application concepts to include: OLE, MACROS, and sharing data among applications.  
Prerequisite: CSC 1123 Microcomputer Applications I with a C or better average.

**CSC 1213. BASIC COMPUTER PROGRAMMING I.** This course is designed to introduce the writing of structured programs using a beginning computer program language with emphasis on problem solving, documentation, program statements, algorithms, and routines common to a wide variety of visual BASIC language variations.

## **CRIMINAL JUSTICE (CRJ)**

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

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

**CRJ 2313. POLICE OPERATIONS.** 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.** 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 2331. CRIMINAL INVESTIGATION I.** Fundamentals, search and recording, collection and preservation of evidence, finger printing, photography, sources of information, interviews and interrogation. Follow up.

**CRJ 2513. LAW ENFORCEMENT AND THE JUVENILE.** 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.

## **ECONOMICS (ECO)**

**ECO 2113. PRINCIPLES OF ECONOMICS I (MACROECONOMICS).** An introduction to macroeconomics. Topics to be covered include supply and demand free enterprise principles, institutions, policies, monetary system, national income, employment, output, inflation, and business cycles.

**ECO 2123. PRINCIPLES OF ECONOMICS II (MICROECONOMICS).** Topics to be covered include supply and demand, pricing and output, income distribution, factor pricing, and foreign exchange markets.

## **EDUCATION (EDU)**

**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 new college student adjust 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, and report writing and gives the student guidance in collegiate life.

**EDU 1321. CAREER EXPLORATION/ALLIED HEALTH.** 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 1411. IMPROVEMENT OF STUDY.** This course is designed to aid the student in three basic areas: adjustment to college life, development of good study skills, and the formation of good test-taking skills. May be repeated four times.

**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.

**EDU 1812. LEADERSHIP AND ORGANIZATION SKILLS I.** A study of leadership styles and skills, roles and functions of officers of student organizations and other student leaders. Includes parliamentary procedure, communication, conducting effective meetings, and working with volunteers.

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

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

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

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

## **ENGLISH (ENG)**

**ENG 1103. BASIC STUDIES IN ENGLISH (REMEDIAL COURSE).** This course in writing stresses basic communication skills-writing of paragraphs, outlines, summaries and essays, general review of mechanics, and reading for ideas included. (3 semester hours of institutional credit is awarded upon completion of this course. These hours will not be counted toward graduation.)

**ENG 1113. ENGLISH COMPOSITION I.** A study of grammar and composition, with emphasis on the sentence, and the paragraph. Readings and frequent essays. Prerequisite: 16 or better on ACT or completion of ENG 1203.

**ENG 1123. ENGLISH COMPOSITION II.** A continuation of ENG 1113 with emphasis on the whole composition. Readings, essays and research paper required. Prerequisite: ENG 1113.

**ENG 1203. FUNDAMENTALS OF COMPOSITION (REMEDIATIONAL COURSE).** A continuation of ENG 1103. This course is designed to prepare students for English Composition. Concepts covered include paragraph and essay development with an emphasis on content and structure. Grammar skills related to the writing process will be reviewed. (3 semester hours of institutional credit is awarded upon completion of this course. These hours will not be counted toward graduation.)

**ENG 2133. CREATIVE WRITING I.** Writing the poem, the short story, the essay, and the play. Consent of the instructor required. Prerequisite: ENG 1113

**ENG 2143. CREATIVE WRITING II.** A continuation of ENG 2133. Prerequisite: ENG 2133 and permission of instructor.

**ENG 2223. AMERICAN LITERATURE I.** Representative prose and poetry of the United States from Colonial beginnings through Walt Whitman. Prerequisites: ENG 1113 and 1123.

**ENG 2233. AMERICAN LITERATURE II.** Representative prose and poetry of the United States from Walt Whitman to the present. Prerequisites: ENG 1113 and 1123.

**ENG 2323. ENGLISH LITERATURE I.** A survey of English literature from Beowulf through the Age of Neo-Classicism. Prerequisites: ENG 1113 and 1123.

**ENG 2333. ENGLISH LITERATURE II.** A survey of English literature from the Ages of Revolution and Romance to the present time. Prerequisites: ENG 1113 and 1123.

**ENG 2423. WORLD LITERATURE I.** Selected writings of the Orient, Greece, Rome and Medieval Europe. Prerequisites: ENG 1113 and 1123.

**ENG 2433. WORLD LITERATURE II.** A continuation of ENG 2423. Selected European writings from the Renaissance to the present. Prerequisites: ENG 1113 and 1123.

### **EDUCATIONAL PSYCHOLOGY (EPY)**

**EPY 2533. 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, social workers, educators and others who work with people.

Prerequisite: PSY 1513.

### **FAMILY AND CONSUMER SCIENCES (FCS)**

**FCS 1121. SURVEY OF FAMILY AND CONSUMER SCIENCES.** Survey of the family and consumer sciences profession with an emphasis on its history, philosophy, mission, value in personal and family living, and career opportunities.

**FCS 1213. FOOD SELECTION AND PREPARATION.** Principles of food selection, preparation and service.

Lecture, one hour; laboratory, four hours.

**FCS 1233. PRINCIPLES OF NUTRITION.** A study of nutrients required for growth and optimal health emphasizing recommended nutrient intake, food selection, digestion, absorption, transport, metabolism and function.

**FCS 1253. NUTRITION.** A study of nutrients required for growth and optimal health emphasizing recommended nutrient intake, food selection, digestion, absorption, transport, metabolism, function, and its application for health care providers.

**FCS 2213. MEAL MANAGEMENT.** The planning, preparation, and service of family meals with an emphasis on the management of time, energy, and money (with foods laboratory).

**FCS 2813. FAMILY RELATIONS.** Relationships and adjustments involved in modern family life that contribute to success and happiness in marriage and family living.

### **GEOGRAPHY (GEO)**

**GEO 1113. WORLD GEOGRAPHY.** A regional survey of the basic geographic features and major new developments of the nations of the world.

### **HEALTH, PHYSICAL EDUCATION AND RECREATION (HPR)**

**HPR 1131, 1141, 2131, 2141. VARSITY SPORTS I, II, III, IV.** Participation in varsity sports (baseball, basketball, cheerleaders, football, soccer, softball, tennis, track).

**HPR 1213. PERSONAL AND COMMUNITY HEALTH.** 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 1511, 1521, 2511, 2521. TEAM SPORTS.** Lectures, rules and practice in various team sports.

**HPR 1531, 1541, 2531, 2541. INDIVIDUAL AND DUAL SPORTS.** Lecture, rules, and practice in various individual and dual sports.

**HPR 1551, 1561, 2551, 2561. FITNESS AND CONDITIONING TRAINING I, II, III, IV.** Lecture and practice in flexibility, jogging, weight training, and overall conditioning of the human body.

**HPR 2213. FIRST AID AND CPR.** Instruction and practice in methods prescribed in the American Red Cross standard and advanced courses.( 1-3 hours credit)

**HPR 2423. FOOTBALL THEORY.** Theoretical study of coaching football from an offensive-defensive standpoint including the fundamentals of blocking, passing, tackling, punting, rules and team play.

**HPR 2453. BASEBALL THEORY.** A theoretical study of baseball from a coaching standpoint; study of fundamentals and team play; methods of teaching fundamentals; team organization.

### **HISTORY (HIS)**

**HIS 1613. SURVEY OF AFRICAN-AMERICAN HISTORY.** This is a survey of African-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.

**HIS 1163. WORLD CIVILIZATION I.** 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.** 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 2213. AMERICAN (U.S.) HISTORY I.** 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.** This course is a survey of U.S. history from Reconstruction to the present.

### **JOURNALISM (JOU)**

**JOU 1111. COLLEGE PUBLICATIONS.** 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.** A continuation of JOU 1111.

### **MATHEMATICS (MAT)**

**MAT 1103. DEVELOPMENTAL MATH I / ARITHMETIC.** This course is designed for the student who needs help in fundamental arithmetic skills. The course will include the topics of fractions, decimals, percentage, and verbal problems. (3 semester hours of institutional credit are awarded upon completion of this course. These hours will not be counted toward graduation.)

**MAT 1203. DEVELOPMENTAL MATH II/ELEMENTARY ALGEBRA.** A course in algebra to include signed numbers, first degree equation, products and factors, fractions, and solutions of two equations and two variables. (3 semester hours of institutional credit are awarded upon completion of this course. These hours will not be counted toward graduation.)

**MAT 1212. COLLEGE MATHEMATICS I (ARITHMETIC AND ALGEBRA).** 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 emphasized. Two semester hours of institutional credit is awarded upon completion of this course. These hours will not be counted toward graduation.

**MAT 1233. INTERMEDIATE ALGEBRA.** (Recommended one year high school algebra.) This course is designed to prepare students for College Algebra but does not count as a Math elective. Materials covered include algebraic factoring, fractions, problem solving, exponents, radicals, and quadratics.

**MAT 1313. COLLEGE ALGEBRA.** This course includes equations, inequalities, functions and graphs, circles, polynomial and rational functions, and systems of equations and inequalities. Prerequisite: Successful completion of MAT 1233 or 18 or better ACT score.

**MAT 1323. TRIGONOMETRY.** 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. Prerequisite: MAT 1313 College Algebra.

**MAT 1513. BUSINESS CALCULUS.** The basics of differential calculus with emphasis on business applications. Prerequisite: MAT 1313 College Algebra.

**MAT 1613. CALCULUS IA.** Coordinate systems; basic theorems of analytics; functions; limits; the derivative; the integral; differentiation and integration of algebraic functions, applications.

**MAT 1623. CALCULUS IIA.** Differentiation and integration of transcendental functions, the definite integral, methods of integration, applications.

**MAT 1723. THE REAL NUMBER SYSTEM.** Structure and properties of the number systems of arithmetic. Limited to students preparing to teach.  
Prerequisite: MAT 1313 College Algebra.

**MAT 1733. GEOMETRY, MEASUREMENT AND PROBABILITY.** Basic ideas and structure of algebra; intuitive foundations of geometry; basic concepts of measurements, and probability. (For Elementary and Special Education majors only)  
Prerequisite: MAT 1743 Problem Solving with Real Numbers.

**MAT 1743. PROBLEM SOLVING WITH REAL NUMBERS.** Proportions, percent problems, probability, counting principles, statistics. (For Elementary and Special Education majors only)  
Prerequisite: MAT 1723 Real Number Systems.

**MAT 2323. STATISTICS.** Introduction to statistical methods of collecting, presenting, analyzing, and interpreting quantitative data in a variety of fields.  
Prerequisite: MAT 1313 College Algebra.

**MAT 2613. CALCULUS III-A.** Solid analytics; vectors; improper integrals; infinite series, and line integration.

**MAT 2623. CALCULUS IV-A.** Partial differentiation, multiple integrals, vector calculus.

**MAT 2913. DIFFERENTIAL EQUATIONS.** Solutions of first and higher order differential equations, existence theorems, solution by series, and application to problems in geometry; physics and chemistry.

### **MODERN & FOREIGN LANGUAGES (MFL)**

**MFL 1213. SPANISH I.** 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.** A continuation of MFL 1213. Special attention is given to irregular verbs and the subjunctive mood.

**MFL 2213. SPANISH III.** A verb and grammar review and a further development of language skills. Reading materials used have literary and cultural value.

**MFL 2223. SPANISH IV.** 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 2241. SPANISH CONVERSATION.** Special emphasis is placed upon pronunciation and conversation. Some grammar is reviewed.

**MFL 1113 FRENCH I** This course is designed to develop basic communication skills in the target language: listening, speaking, reading, and writing.

**MFL 1123 FRENCH II** A continuation of MFL 1113. Continued development of verb tenses and uses, as well as increased vocabulary acquisition, by means of oral and written exercises.

**MFL 2113 FRENCH III** A recommended for students who have successfully completed one or more years of high school language study. Continued vocabulary acquisition and grammar study. Supplementary reading materials for literary and cultural value.

**MFL 2123 FRENCH IV.** A Continuation of MFL 2113.

**MUSIC APPLIED (MUA)**  
**(Brass, Percussion, Piano, Voice and Woodwinds)**

Entrance into freshman applied music is by certification of the music faculty. Music applied classes are for music majors only.

**MUA 1172, 1182, 2172, 2182. BRASS FOR MUSIC EDUCATION MAJORS I, II, III, & IV.**

**MUA 1472, 1482, 2472, 2482. PERCUSSION FOR MUSIC EDUCATION MAJORS I, II, III, & IV.**

**MUA 1571, 1581, 2571, 2581. PIANO FOR MUSIC EDUCATION MAJORS I, II, III, & IV.**

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

**MUA 1771, 1781, 2771, 2781. VOICE FOR MUSIC EDUCATION MAJORS I, II, III, & IV.**

**MUA 1772, 1782, 2772, 2782. VOICE FOR MUSIC EDUCATION MAJORS I, II, III, & IV.**

**MUA 1872, 1882, 2872, 2882. WOODWINDS FOR MUSIC EDUCATION MAJORS I, II, III, & IV.**

## **MUSIC FOUNDATIONS (MUS)**

**MUS 1113. MUSIC APPRECIATION.** 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).** Listening course, designed to acquaint the music major with a board overview to musical style and repertoire from antiquity to the present.

**MUS 1133. FUNDAMENTAL OF MUSIC.** Provides the student basic knowledge of notations, scales, keys, rhythms, intervals, triads, and their inversions.

**MUS 1211. MUSIC THEORY I, LAB.** Laboratory activities will center on developing listening, playing, and singing skills with major scales and chords, 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.** 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. (For Music majors)

**MUS 1221. MUSIC THEORY II, LAB.** 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.** A continuation of MUS 1214.  
Prerequisite: MUS 1214

## **MUSIC ORGANIZATIONS (MUO)**

**(Band, Small Band Groups, Stage Band, Choir, Ambassadors, Ambassadors Band)**

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

**MUO 1141, 1151, 2141, 2151. AMBASSADORS BAND I, II, III, & IV.**

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

**MUO 1211, 1221, 2211, 2221. MDCC SINGERS I, II, III, & IV.**

**MUO 1241, 1251, 2241, 2251. AMBASSADORS I, II, III, & IV.**

## **PHILOSOPHY AND BIBLE (PHI)**

**PHI 1113. OLD TESTAMENT SURVEY.** 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.** 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.

## **PHYSICAL SCIENCE (PHY)**

**PHY 1113. INTRODUCTION TO ASTRONOMY LECTURE.** A survey of the solar system, our galaxy and the universe. Occasional observatory at night.

**PHY 1114 INTRODUCTION TO ASTRONOMY.** A combined lecture and laboratory course that includes surveys of the solar system, our galaxy, and the universe. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

**PHY 2241. PHYSICAL SCIENCE I LAB.** Selected experiments to illustrate the principles taught in Physical Science I.

**PHY 2243. PHYSICAL SCIENCE I LECTURE.** A lecture course that includes studies of measurements and units, electricity, mechanics, heat, sound, light, and astronomy.

**PHY 2251. PHYSICAL SCIENCE II LAB.** Selected experiments to illustrate the principles taught in Physical Science II.

**PHY 2253. PHYSICAL SCIENCE II LECTURE.** A survey of chemistry, meteorology, geology, and heat.

**PHY 2411. GENERAL PHYSICS I LAB.** Selected experiments to illustrate the principles taught in General Physics I.

**PHY 2413. GENERAL PHYSICS I LECTURE.** Deals with mechanics, heat, waves, and sound. Non Calculus based primarily for pre-professional majors.  
Prerequisite or Co-requisite: MAT 1323.

**PHY 2421. GENERAL PHYSICS II LAB.** Selected experiments to illustrate the principles taught in General Physics II.

**PHY 2423. GENERAL PHYSICS II LECTURE.** A lecture course covering electricity, magnetism, optics, and modern physics. This is a non-calculus based course primarily for pre-

professional majors. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Prerequisite: PHY 2413.

**PHY 2511. GENERAL PHYSICS I-A LAB.** Selected experiments to illustrate the principles taught in General Physics I-A.

**PHY 2513. GENERAL PHYSICS I-A LECTURE.** Taught with the aid of calculus. A study of mechanics, heat, waves and sound. Primarily for engineering, science and mathematics students. Prerequisite or Co-requisite: MAT 1613.

**PHY 2521. GENERAL PHYSICS II-A LAB.** Selected experiments to illustrate the principles taught in General Physics II-A.

**PHY 2523. GENERAL PHYSICS II-A LECTURE.** A lecture course covering electricity, magnetism, optics, and modern physics. This is a calculus-based course primarily for students of engineering, science, or mathematics. Prerequisite: PHY 2513.

### **POLITICAL SCIENCE (PSC)**

**PSC 1113. AMERICAN NATIONAL GOVERNMENT.** Survey of the organizations, political aspects of, and basis for, American government.

### **PSYCHOLOGY (PSY)**

**PSY 1513. GENERAL PSYCHOLOGY.** 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, intelligence, motivation and emotion, abnormal behavior, mental health and therapy, group processes, mass communication and persuasion.

### **READING (REA)**

**REA 1103. DEVELOPMENTAL READING I.** A laboratory course designed to offer special reading instruction and vocabulary enrichment to enhance students' reading skills and standardized testing. (3 semester hours of institutional credit are awarded upon completion of this course. These hours will not be counted toward graduation.)

**REA 1213. READING IMPROVEMENT I.** A course provided to help students develop reading skill 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.

## **SOCIOLOGY (SOC)**

**SOC 2113. INTRODUCTION TO SOCIOLOGY.** 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 2133. SOCIAL PROBLEMS.** 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.  
Prerequisite: SOC 2113.

**SOC 2143. MARRIAGE AND FAMILY.** A study of the family as a cultural unit, the institution of marriage, the problems of parenthood and of social-economic adjustments to society.  
Prerequisite: SOC 2113.

## **SPEECH AND THEATRE**

**SPT 1113. ORAL COMMUNICATION (PRINCIPLES OF SPEECH).** Study and practice in making informative and persuasive presentations in professional and personal settings. Major emphasis on research and organization of material, as well as practice in conversational speech delivery style before groups.

**SPT 1153. VOICE & DICTION & PHONETICS.** A study of the International Phonetic Alphabet and training in the phonetic transcription of speech for improvement of voice and diction. Includes physical characteristics and production of sounds in American English, auditory training, articulation and standard pronunciations, and voice production.