

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 financial accounting principles that relate to business. The topics to be covered include the accounting cycle, accounting systems and controls for service and merchandising businesses, assets, liabilities, and equity.

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

ART (ART)

ART 1113. ART APPRECIATION. A course designed to provide an understanding and appreciation of the visual arts.

ART 1313. DRAWING I. Includes the study of the basic elements and principles of organization in two dimensions and the selection, manipulation and synthesis of these components to create an organized visual expression. Black and white media will be stressed.

ART 1323. DRAWING II. Continuation of rendering skills introduced in Drawing I with emphasis on color, composition and creative expression.

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 2513. PAINTING I. Techniques used in painting media in a variety of subject matter. Prerequisites: ART 1423. Lecture, three hours, laboratory, three hours.

ART 2523. PAINTING II. Advanced problems in painting 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 skills introduced in Ceramics I. Emphasis on individual problem solving. 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. Survey course of historical background of art forms from Renaissance to present with special emphasis on contemporary expression. Lecture, three hours.

BIOLOGY (BIO)

BIO 1111. PRINCIPLES OF BIOLOGY I LAB. A laboratory course for non-science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1113 Principles of Biology I Lecture.

BIO 1113. PRINCIPLES OF BIOLOGY I LECTURE. A lecture course for non-science majors that provides an introduction to the basic principles of modern biology and their relevance to modern life. Emphasis is placed on the nature and history of scientific thought, basic biological chemistry, cell structure and processes, genetics.

BIO 1121. PRINCIPLES OF BIOLOGY II LAB. A laboratory course for non-science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1123 Principles of Biology II, Lecture.

BIO 1123. PRINCIPLES OF BIOLOGY II LECTURE. A lecture course for non-science majors that emphasizes the relationship of humans to their environment, classification of organisms, ecology and environment concerns.

BIO 1131. GENERAL BIOLOGY I LAB. A laboratory course for science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1133 General Biology I Lecture.

BIO 1133. GENERAL BIOLOGY I LECTURE. A lecture course for science majors 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. A laboratory course for science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1143 General Biology II, Lecture.

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

BIO 1311. BOTANY I LAB. A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1313 Botany I Lecture.

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. PRINCIPLES OF ANATOMY 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 class. (This course is designed 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 ANATOMY AND 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. This course is designed

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 2511. HUMAN ANATOMY AND PHYSIOLOGY I LAB. A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2513 Anatomy and Physiology I Lecture.

BIO 2513. HUMAN ANATOMY AND PHYSIOLOGY I LECTURE. 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. A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2523 Anatomy and Physiology II Lecture.

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. Prerequisite: BIO 2513/2511 with a “C” or better.

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 (microscopic organisms) 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. Topics include: central tendency and dispersion; probability; binomial, Poisson, and normal distributions; estimation and hypothesis testing. Prerequisite: MAT 1313.

BAD 2413. LEGAL ENVIRONMENT OF BUSINESS. An introduction to interrelationships of law and society, jurisprudence and business. Topics include an introduction to law, law of contracts; agency, and employment.

BAD 2713. PRINCIPLES OF REAL ESTATE. The course deals with the nature of the real estate market, types of ownership of property, contracts, methods of transfer of title, 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: BAD 2713 or co-requisite: BAD 2723.

BUSINESS (BOA)

BOA 1413. KEYBOARDING. This course will develop your basic keyboarding skills which will enable you to operate a microcomputer to input and retrieve information.

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 Computer 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. A laboratory course that contains experiments and exercises that reinforce the principles introduced 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. Pre-requisite or co-requisite: MAT 1313.

CHE 1221. GENERAL CHEMISTRY LABORATORY II. A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1223 General Chemistry II Lecture.

CHE 1223. GENERAL CHEMISTRY II LECTURE. A lecture course that covers solutions, kinetics, equilibria, thermodynamics, acid-base chemistry, and electrochemistry. Pre-requisite: CHE 1213

CHE 1311. PRINCIPLES OF CHEMISTRY I LAB. A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1313 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. A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1323 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. A laboratory course that contains experiments and exercises that reinforce the principles introduced 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. A laboratory course that 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.

COMPUTER SCIENCE (CSC)

CSC 1123. COMPUTER APPLICATIONS I. This course is designed to teach computer applications to include: word-processing, electronic spreadsheet, database management, presentation design, and electronic communications with the integration of these applications. Prerequisite: BOA 1413 Keyboarding or high school typing.

CSC 1133. COMPUTER APPLICATIONS II. This course is a continuation of CSC 1123 with concentration on advanced computer applications to include: Web design, OLE, MACROS, and

emerging technology. Prerequisite: CSC 1123 Microcomputer Applications I with a C or better average.

CSC 1213. VISUAL BASIC COMPUTER PROGRAMMING I. This course is designed to introduce the writing of structured programs using the Visual Basic .NET computer language with emphasis on problem solving, documentation, program statements, algorithms, and routines.

CRIMINAL JUSTICE (CRJ)

CRJ 1313. INTRODUCTION TO CRIMINAL JUSTICE. The history, organization, and functions of various components of the criminal justice system. Focuses on the interrelationships among law enforcement agencies, prosecution, courts, correctional processes and institutions, probation, parole, juvenile justice and other officials and their agencies. Critical thinking is applied to the system and its practices.

CRJ 1341. POLICE AND COMMUNITY RELATIONS. 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.

CRJ 1371. INTRODUCTION TO HOMELAND SECURITY. The issues pertaining to the role and mission of the Department of Homeland Security and related agencies, both domestic and international

CRJ 1373. INTRODUCTION TO HOMELAND SECURITY. The issues pertaining to the role and mission of the Department of Homeland Security and related agencies, both domestic and international

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

CRJ 2213. TRAFFIC LAW. 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.

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. Basic elements of criminal law under the Constitution of the United States, state Constitution of the United States, state Constitutions, and federal and state statutes

CRJ 2333. CRIMINAL INVESTIGATION. Fundamentals, search and recording, collection and preservation of evidence, finger printing,

photography, sources of information, interviews and interrogation. Follow up

CRJ 2513. JUVENILE JUSTICE. 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 MACROECONOMICS. The study of a nation's economy to include the following topics: supply and demand, production possibilities, monetary and fiscal policies, factors of production, GDP/business cycles and economic growth, circular flow of market economics and international trade.

ECO 2123. PRINCIPLES OF MICROECONOMICS. The study of firms, industries and consumers to include the following topics: supply and demand, elasticity of demand and supply, consumer choice theory, production and cost theory and market structures.

ENGLISH (ENG)

ENG 0113. BEGINNING 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 0123. INTERMEDIATE ENGLISH (REMEDIAL COURSE). A continuation of ENG 0113. 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 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 0123.

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

ENG 2333. BRITISH 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 human growth and development from conception through late adulthood, including death and dying. Topics include physical, psychosocial and cognitive development with implications for health professions and others who work with people

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 on rules and techniques in various team sports.

HPR 1531, 1541, 2531, 2541. INDIVIDUAL AND DUAL SPORTS. Lecture 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)

HISTORY (HIS)

HIS 1163. WORLD CIVILIZATION I. A general survey of world history from ancient times to the 1500s

HIS 1173. WORLD CIVILIZATION II. A general survey of world history from the 1500s to modern times

HIS 1613. SURVEY OF AFRICAN-AMERICAN HISTORY. This is a survey of African-American history from the study of one or more African civilizations.

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

HIS 2223. AMERICAN (U.S.) HISTORY II. This is a survey of American history from pre-history through Reconstruction.

LIFE SKILLS (LLS)

LLS 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.

LLS 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.

LLS 1413. 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.

LLS 1721. Employment Readiness - This course is designed to prepare students for employment by teaching the importance of interviewing skills, employer expectations, employability skills, work ethics, and job retention skills.

LEADERSHIP

LEA 1813. 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.

LEA 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.

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

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

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

MATHEMATICS (MAT)

MAT 0113. FUNDAMENTALS OF MATHEMATICS (Remedial course). 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 0123. BEGINNING ALGEBRA (Remedial course). 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 1111. 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 1233. INTERMEDIATE ALGEBRA (Remedial course). 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. Three hours of institutional credit is awarded upon completion of this course. These hours will not be counted toward graduation.

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 I. Coordinate systems; basic theorems of analytics; functions; limits; the derivative; the integral; differentiation and integration of algebraic functions, applications.

MAT 1623. CALCULUS II. 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. Solid analytics; vectors; improper integrals; infinite series, and line integration.

MAT 2623. CALCULUS IV. 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.

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. Brass instruction for music education majors with an emphasis on brass instrumental playing. Designed to teach the fundamental principles of playing, explore moderate to advanced levels of literature, develop the student's interest in playing and strengthen the student's playing ability.

MUA 1472, 1482, 2472, 2482. PERCUSSION FOR MUSIC EDUCATION MAJORS I, II, III, & IV. Percussion instruction for music majors, with an emphasis on percussion instrumental playing. Designed to teach the fundamental principles of playing, explore moderate to advanced levels of literature and develop the student's interest in playing.

MUA 1571, 1581, 2571, 2581. PIANO FOR MUSIC EDUCATION MAJORS I, II, III, & IV. Piano instruction for music education majors with piano as a secondary area of emphasis. Introduction to technique, literature, and performance of standard literature.

MUA 1772, 1782, 2772, 2782. VOICE FOR MUSIC EDUCATION MAJORS I, II, III, & IV. Voice for majors is designed to teach the fundamental principles of singing, explore varied vocal repertoire, and develop and improve the student's vocal ability.

MUA 1872, 1882, 2872, 2882. WOODWINDS FOR MUSIC EDUCATION MAJORS I, II, III, & IV. Woodwind instruction for music education majors with an emphasis on woodwind instrumental playing. Designed to teach the fundamental principles of playing, explore moderate to advanced levels of literature, develop the student's interest in playing, and strengthen the student's playing ability.

MUA 2572. PIANO FOR MUSIC EDUCATION MAJORS III. A continuation of MUA 1582 with selections from the masterpieces of classical, romantic, and modern composers as well as continued work on technical and interpretative skills.

MUA 2582. PIANO FOR MUSIC EDUCATION MAJORS IV. A continuation of MUA 2572 with selections from the masterpieces of classical, romantic, and modern composers as well as continued work on technical and interpretative skills.

MUSIC FOUNDATION (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). Advanced 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. Provides the student basic knowledge of notations, scales, keys, rhythms, intervals, triads, and their inversions.

MUS 1211. MUSIC THEORY I, LAB. Lab instruction. Sight singing, ear training, and dictation.

MUS 1214. MUSIC THEORY I. Study of functional harmony through analysis and part writing, sight singing, and ear training.

MUS 1221. MUSIC THEORY II, LAB. Prerequisite: Minimum grade of “C” in MUS 1211. Lab instruction. Sight singing, ear training, and dictation.

MUS 1224. MUSIC THEORY II. Continued study of functional harmony through analysis and part writing, sight singing, and ear training.
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. Designed to teach the fundamental principles of playing musical instruments, explore varied levels of literature and develop the student’s knowledge of performance techniques.

MUO 1141, 1151, 2141, 2151. AMBASSADORS BAND I, II, III, & IV. Designed to teach the fundamental principles of playing musical instruments, explore varied levels of literature and develop the student’s knowledge of performance techniques in small ensembles and auxiliary groups.

MUO 1171, 1181, 2171, 2181. JAZZ BAND I, II, III, & IV. A course designed for members selected from marching band members by audition to perform instrumental music from a variety of style periods. Emphasis on jazz.

MUO 1211, 1221, 2211, 2221. MDCC SINGERS I, II, III, & IV. A course for music majors and non-majors focused on performing choral music from a variety of style periods.

MUO 1241, 1251, 2241, 2251. AMBASSADORS I, II, III, & IV. A course for select singers focused on performing from one or more genres of music.

PHILOSOPHY AND BIBLE (PHI)

PHI 1113. OLD TESTAMENT SURVEY. The student will survey the Hebrew Bible (Old Testament) with regard to its worth as a literary work, along with significant dates, themes, concepts and contributions of its Characters to that history and literature.

PHI 1133. NEW TESTAMENT SURVEY. A study of the New Testament covering the life of Jesus of Nazareth and the establishment of the early church as presented in the Gospels, Acts, and other New Testament books.

PHYSICAL SCIENCE (PHY)

PHY 2241. PHYSICAL SCIENCE I LAB. A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2243 Physical Science Survey I Lecture.

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. A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2253 Physical Science Survey II Lecture.

PHY 2253. PHYSICAL SCIENCE II LECTURE. A lecture course that includes studies of chemistry, geology, and meteorology.

PHY 2411. GENERAL PHYSICS I LAB. A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2413 General Physics I Lecture.

PHY 2413. GENERAL PHYSICS I LECTURE. A lecture course covering mechanics, heat, waves, and sound. This is a non-calculus based course primarily for pre-professional majors. Prerequisite or Corequisite: MAT 1323

PHY 2421. GENERAL PHYSICS II LAB. A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2423 General Physics II Lecture.

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. A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2513 General Physics I-A Lecture.

PHY 2513. GENERAL PHYSICS I-A LECTURE. A lecture course covering mechanics, heat, waves, and sound. This is a calculus-based course primarily for students of engineering, science, or mathematics. Prerequisite or Corequisite: MAT 1613

PHY 2521. GENERAL PHYSICS II-A LAB. A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2523 General Physics II-A Lecture.

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, and basis of national government.

PSYCHOLOGY (PSY)

PSY 1513. GENERAL PSYCHOLOGY. An introduction to the scientific study of human behavior and mental processes. This includes history and theories of psychology, research methods, biological bases of behavior, the principles of learning, personality and abnormal behavior.

READING (REA)

REA 0113. READING COMPREHENSION 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.)

SOCIOLOGY (SOC)

SOC 2113. INTRODUCTION TO SOCIOLOGY I This course introduces the scientific study of human society and social interaction. Social influences on individuals and groups are examined

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

SPT 1113. PUBLIC SPEAKING I. Speeches for a variety of public forums. Major emphasis is placed on speech preparation and delivery.

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.