



A UNIFORM COURSE
NUMBERING SYSTEM
IN
MISSISSIPPI
PUBLIC COMMUNITY & JUNIOR COLLEGES
Effective Fall 2009

**State Board for Community & Junior Colleges
3825 Ridgewood Road
Jackson, MS 39211
601-432-6340**

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**UNIFORM COURSE NUMBERING SYSTEM
SUMMARY
FALL 2009**

TITLE/COURSE DESCRIPTION CHANGE:

ACC 1213 PRINCIPLES OF ACCOUNTING I
ACC 1223 PRINCIPLES OF ACCOUNTING II

BAD 1113 INTRODUCTION TO BUSINESS
BAD 2323 BUSINESS STATISTICS
BAD 2413 LEGAL ENVIRONMENT OF BUSINESS
BAD 2533 COMPUTER APPLICATIONS IN BUSINESS AND INDUSTRY

COM 0113 COMMUNICATION SKILLS

CRJ 1323 POLICE ADMINISTRATION AND ORGANIZATION
CRJ 1353 INTERNSHIP IN CRIMINAL JUSTICE
CRJ 2323 CRIMINAL LAW
CRJ 2333 CRIMINAL INVESTIGATION
CRJ 2393 SURVEY OF CRIMINALISTICS
CRJ 2413 ADMINISTRATION OF CRIMINAL JUSTICE
CRJ 2513 JUVENILE JUSTICE

ECO 2113 PRINCIPLES OF MACROECONOMICS
ECO 2123 PRINCIPLES OF MICROECONOMICS

EPY 2513 CHILD PSYCHOLOGY
EPY 2523 ADOLESCENT PSYCHOLOGY
EPY 2533 HUMAN GROWTH AND DEVELOPMENT

ENG 0113 BEGINNING ENGLISH
ENG 0123 INTERMEDIATE ENGLISH

HPR 0113 FOUNDATION OF HEALTH

HIS 1113 WESTERN CIVILIZATION I
HIS 1123 WESTERN CIVILIZATION II
HIS 1163 WORLD CIVILIZATION I
HIS 1173 WORLD CIVILIZATION II
HIS 1613 SURVEY OF AFRICAN-AMERICAN HISTORY
HIS 2213 AMERICAN (U. S.) HISTORY I
HIS 2223 AMERICAN (U. S.) HISTORY II
HIS 2813 SPECIAL PROBLEMS IN HISTORY/SOCIAL STUDIES

LLS 0113 ESSENTIAL COLLEGE SKILLS I
 LLS 0123 ESSENTIAL COLLEGES SKILLS II

 MAT 0113 FUNDAMENTALS OF MATHEMATICS
 MAT 0123 BEGINNING ALGEBRA

 AFR 1111 FOUNDATIONS OF THE UNITED STATES AIR FORCE I
 AFR 1121 LEADERSHIP LAB I
 AFR 1211 FOUNDATIONS OF THE UNITED STATES AIR FORCE II
 AFR 1221 LEADERSHIP LAB II
 AFR 2111 THE EVOLUTION OF US AIR AND SPACE POWER I
 AFR 2121 LEADERSHIP LAB I
 AFR 2211 THE EVOLUTION OF US AIR AND SPACE POWER II
 AFR 2221 LEADERSHIP LAB II

 PHI 1113 OLD TESTAMENT SURVEY
 PHI 1133 NEW TESTAMENT SURVEY
 PHI 1153 JESUS AND THE GOSPELS
 PHI 1163 ACTS AND THE EPISTLES
 PHI 2113 INTRODUCTION TOPHILOSOPHY I
 PHI 2123 INTRODUCTION TO PHILOSOPHY II
 PHI 2143 ETHICS
 PHI 2613 WORLD RELIGIONS I
 PHI 2713 LOGIC

 PSC 1113 AMERICAN NATIONAL GOVERNMENT
 PSC 1123 AMERICAN STATE AND LOCAL GOVERNMENT
 PSC 2113 COMPARATIVE GOVERNMENT

 PSY 1513 GENERAL PSYCHOLOGY

 REA 0113 COMPREHENSION I
 REA 0123 COMPREHENSION II
 REA 0133 COMPREHENSION III

 SWK 1113 SOCIAL WORK: A HELPING PROFESSION

 SOC 1113 INTRODUCTION TO SOCIAL SCIENCE
 SOC 1513 ENTHNIC RELATIONS
 SOC 2113 INTRODUCTION TO SOCIOLOGY I
 SOC 2133 SOCIAL PROBLEMS
 SOC 2163 CHANGED TO SWK 1113
 SOC 2243 CULTURAL ANTHROPOLOGY

 SPT 0113 BASIC SPEAKING

NEW COURSES:

DAN 1123 DANCE IN CULTURE
DAN 1212 BEGINNING MODERN DANCE
DAN 1223 MODERN DANCE TECHNIQUE II
DAN 1422 TAP DANCE
DAN 1711 DANCE REPERTORY
DAN 2243 DANCE IMPROVISATION
DAN 2253 DANCE COMPOSITION

COURSES DELETED:

CRJ 1333 POLICE ADMINISTRATION AND ORGANIZATION II
CRJ 2343 CRIMINAL INVESTIGATION II
CRJ 2423 ADMINISTRATION OF CRIMINAL JUSTICE II

GEO 2413 THE OCEANS

A UNIFORM COURSE NUMBERING SYSTEM

MISSISSIPPI PUBLIC JUNIOR COLLEGES

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 years. The leadership and efforts provided by the Mississippi Community and Junior College Academic 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 Community and 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 "0" appears in a number, other than credit hours, it indicates institutional credit.

Example: 1103 indicates institutional credit

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.

UNIFORM COURSE NUMBERING REQUEST FORM

THE INFORMATION PROVIDED ON THIS FORM IS ESSENTIAL TO THE UNIFORM COURSE NUMBERING COMMITTEE IN DETERMINING ACTION ON YOUR REQUEST. WHEN ALL THE INFORMATION IS NOT PROVIDED, IT ONLY SERVES TO DELAY THE PROCESS.

COLLEGE (AND CAMPUS) SUBMITTING REQUEST

SUGGESTED COURSE _____ NAME _____ OF _____

SUGGESTED COURSE DESCRIPTION (LIMIT TO SHORT PARAGRAPH OR LESS)

SENIOR COLLEGE CATALOG WHERE ABOVE COURSE CAN BE LOCATED
(GIVE CATALOG NAME AND PAGE NUMBER OR COPY PAGE AND ATTACH)

DATE OF REQUEST

NAME AND SIGNATURE OF COLLEGE OFFICIAL MAKING REQUEST:

*****DO NOT WRITE BELOW THIS LINE*****

ACTUAL COURSE NUMBER AND TITLE ASSIGNED

SIGNATURE OF COURSE COMMITTEE CHAIR

DATE _____

IF THERE IS A QUESTION WHETHER A COURSE WILL COUNT FOR PAY PURPOSES, IT WILL BE CLEARED FIRST WITH THE STATE BOARD FOR COMMUNITY AND JUNIOR COLLEGES BEFORE A NUMBER IS ASSIGNED.

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ACCOUNTING

- ACC 1114 SECRETARIAL ACCOUNTING** - 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.
- 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 for service and merchandising businesses, assets, liabilities, and equity. (Note: Course description change effective Fall 2009)
- 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. (Note: Course description change effective Fall 2009)
- ACC 2113 INTRODUCTION TO FINANCIAL ACCOUNTING** - Designed to give a basic understanding of the financial accounting process. Emphasis is placed on recording, summarizing, reporting and interpreting economic data. Prerequisite is not required - course is designed for transfer to universities not requiring Principles of Accounting I and II.

AGRICULTURE

- AGR 1111 AGRICULTURAL SURVEY** - An introductory course covering the general functions, organization, and operation of the agricultural in both national and international.
- 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 is 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.
- 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.
- AGR 1812 WESTERN EQUITATION** - Principles of horsemanship and management and training of western pleasure horses.
- 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.
- AGR 2253 LIVESTOCK JUDGING** - Scoring of individuals and judging of representative groups of livestock from the standpoint of the breeder and the market.
- AGR 2314 BASIC SOILS** - 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 2333 SOIL MANAGEMENT AND CONSERVATION** - A study of soil management and conservation in relation to the needs of Mississippi agriculture.
- AGR 2343 FOREST MEASUREMENTS** - This course is designed to introduce the student to the techniques, instruments and practices of measuring forest products, timber management planning and forest studies.

AGR 2413 FARM MANAGEMENT - Decision making in the organization and operation of the farm business. Basic principles of farm management, including records, finance, taxation and budgeting.

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.

APPLIED TECHNOLOGY EDUCATION

ATE 1113 INTRODUCTION TO SCIENCE AND TECHNOLOGY - A survey of modern technology applications with specific emphasis on problem solving and career opportunities.

ART

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

ART 1213 INTRODUCTORY ART - A studio course designed to familiarize the student with the fundamental elements of art and develop in the student a visual literacy.

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 1383 PHOTOGRAPHY I - An introduction to the theory, practice, and history of black and white photography, with emphasis on the basic camera processes, developing, printing composition, and presentation.

- ART 1393 PHOTOGRAPHY II** - Advanced camera and darkroom techniques with emphasis on photographic design and alternative processes.
- 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.
- 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 intuitive sense of seeing, mixing, and applying color and light to design problems.
- 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.
- ART 1513 COMPUTER 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 1811/1821 EXHIBITION CLASS I & II** - 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.
- ART 1913 ART FOR ELEMENTARY TEACHERS** - Development of essential concepts of children's art education in compliance with the **National Standards for Arts Education**.
- ART 2113 THE ARTS AND CULTURE** - Advanced camera and darkroom techniques with emphasis on photographic design and alternative processes.
- ART 2353 FIGURE DRAWING I** - Drawing from the live model in various media. A study of proportion in the human

figure through the use of contour, gesture, and model drawing.

ART 2513 PAINTING I - Techniques used in painting media in a variety of subject matter.

ART 2523 PAINTING II - Advanced problems in painting media.

ART 2613 CERAMICS I - This course is directed toward an introduction to different aspects and materials of ceramic design. Instruction covers forming and shaping by hand and by mechanical means, various kiln operations, understanding the nature of clay and glazes and an appreciation of functional and non functional forms.

ART 2623 CERAMICS II - Continuation of skills introduced in Ceramics I. Emphasis on individual problem solving.

ART 2633 SCULPTURE I - Study of 3-D media and methods exploration of reduction and additive sculpture process.

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.

ART 2723 ART HISTORY II - Survey courses of historical background of art forms from Renaissance to present with special emphasis on contemporary expression.

ART 2811 EXHIBITION CLASS III - A continuation of ART 1821.

ART 2821 EXHIBITION CLASS IV - A continuation of ART 2811.

ART 2913 SPECIAL STUDIO - Independent study in an area of special interest. Course designed for the exceptional student. Instructor approval dependent on discipline. Can only take twice.

AVIATION MANAGEMENT

- AVM 1113 INTRODUCTION TO AVIATION** - 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** - Principles of flight; the flight environment; aircraft systems and performance.
- AVM 1223 PRIVATE PILOT GROUND II** - Basic and radio navigation; flight planning; physiology; Federal Aviation Regulations.
- AVM 2113 APPLIED METEOROLOGY** - 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** - 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 thee concepts.
- AVM 2313 AIRCRAFT ENGINE OPERATION** - The study of Aircraft engine types; their design, construction, and operation. Review auxiliary engine systems as part of the aircraft power plant.
- AVM 2413 PRIVATE PILOT FLIGHT I** - Dual and solo flight training designed to prepare the student for FAA private pilot certification. Includes pre-solo instruction, solo endorsement and introduction to cross-country flight. In-air flight time will fluctuate form week to week, but the student will average 50 hours of instruction during the semester.
- AVM 2423 PRIVATE PILOT FLIGHT II** - Dual and solo flight training to prepare the student for FAA private pilot certification. Includes dual and solo cross0country flight, night flying, and preparation for the private pilot practical

test. In-air flight time will fluctuate from week to week, but the student will average 50 hours of instruction during the semester.

BIOLOGY

BIO 1111 PRINCIPLES OF BIOLOGY I, Laboratory (1 credit hour) 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 (3 credit hours) 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 1114 PRINCIPLES OF BIOLOGY I (4 credit hours) - A combined lecture and laboratory 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. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

BIO 1121 PRINCIPLES OF BIOLOGY II, Laboratory (1 credit hour) - 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 (3 credit hours) A lecture course for non-science majors that emphasizes the relationship of humans to their environment, classification of organisms, ecology and environmental concerns.

BIO 1124 PRINCIPLES OF BIOLOGY II (4 credit hours) - A combined lecture and laboratory course for non-

science majors that emphasizes the relationship of humans to their environment, the diversity of life, classification of organisms, ecology and environmental concerns. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

BIO 1131 GENERAL BIOLOGY I, Laboratory (1 credit hour) - 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 (3 credit hours) - 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 1134 GENERAL BIOLOGY I (4 credit hours)
A combined lecture and laboratory course for science majors that includes study of the scientific method, chemistry relevant to biological systems, cell structure and function, cell processes including photosynthesis and cellular respiration, cell division, genetics, and molecular genetics. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

BIO 1141 GENERAL BIOLOGY II, Laboratory (1 credit hour) - 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 (3 credit hours) - A lecture course for the science majors that reinforces concepts introduced in BIO 1133 General Biology I, Lecture, while emphasizing the diversity of life. Topics covered include adaptation by natural selection, classification, ecology, detailed consideration of each group of

organisms and viruses, study of animals and plants including their basic anatomy and physiology.

BIO 1144 GENERAL BIOLOGY II (4 credit hours)- A combined lecture and laboratory course for science majors that reinforces concepts introduced in BIO 1134 General Biology I, while emphasizing the diversity of life. Topics covered include adaptation by natural selection, classification, ecology, detailed consideration of each group of organisms and viruses, study of animals and plants including their basic anatomy and physiology. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

BIO 1211 ENVIRONMENTAL SCIENCE, Laboratory (1 credit hour)
A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1213 Environmental Science, Lecture.

BIO 1213 ENVIRONMENTAL SCIENCE, Lecture (3 credit hours)
A lecture course covering the relevance of ecological principles to environmental problems and the relationship of humans to their environment with emphasis on preservation of environmental quality.

BIO 1214 ENVIRONMENTAL SCIENCE (4 credit hours) - A combined lecture and laboratory course covering the relevance of ecological principles to environmental problems and the relationship of humans to their environment with emphasis on preservation of environmental quality. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

BIO 1311 BOTANY I, Laboratory (1 credit hour) - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1313 Botany I, Lecture.

BIO 1313 BOTANY I, Lecture (3 credit hours) - A lecture course covering the representative groups of the plant kingdom, their anatomy, physiology, taxonomy, and economic importance.

- BIO 1314 BOTANY I (4 credit hours)** - A combined lecture and laboratory course covering the representative groups of the plant kingdom, their anatomy, physiology, taxonomy, and economic importance. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 1321 BOTANY II, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1323 Botany II, Lecture.
- BIO 1323 BOTANY II, Lecture (3 credit hours)** - A lecture course that emphasizes classification and identification of plants.
- BIO 1324 BOTANY II (4 credit hours)** - A combined lecture and laboratory course that emphasizes classification and identification of plants. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 1411 GENERAL ZOOLOGY, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1413 General Zoology, Lecture.
- BIO 1413 GENERAL ZOOLOGY, Lecture (3 credit hours)** - A lecture course that covers phylogeny and classification systems and studies of the invertebrate and vertebrate taxa.
- BIO 1414 GENERAL ZOOLOGY (4 credit hours)** - A combined lecture and laboratory course that phylogeny and classification systems and studies of the invertebrate and vertebrate taxa. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 1511 PRINCIPLES OF ANATOMY AND PHYSIOLOGY I, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1513 Principles of Anatomy and Physiology I, Lecture.

- BIO 1513 PRINCIPLES OF ANATOMY AND PHYSIOLOGY I, Lecture (3 credit hours)** - A lecture 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.
- BIO 1514 PRINCIPLES OF ANATOMY AND PHYSIOLOGY I, (4 credit hours)** - 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.
- BIO 1521 PRINCIPLES OF ANATOMY AND PHYSIOLOGY II, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles and concepts introduced in BIO 1523 Principles of Anatomy and Physiology II, Lecture.
- BIO 1523 PRINCIPLES OF ANATOMY AND PHYSIOLOGY II, Lecture (3 credit hours)** - A lecture course that provides an introduction to the anatomical and physiological study of the human circulatory, respiratory, digestive, and urinary systems, as well as reproduction and development.
- BIO 1524 PRINCIPLES OF ANATOMY AND PHYSIOLOGY II (4 credit hours)** - 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 1613 NUTRITION (3 credit hours)** - A lecture course covering the nutrients required for normal growth and prevention of major chronic diseases, and applied to the selection of food for ingestion, the metabolic process of digestion, assimilation, and absorption, and their applications for healthcare providers.
- BIO 2211 INTRODUCTION TO MARINE SCIENCE, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2213 Introduction to Marine Science, Lecture.
- BIO 2213 INTRODUCTION TO MARINE SCIENCE, Lecture (3 credit hours)** - A lecture course providing an introduction to oceanography with an emphasis on the measurement of physical, chemical, and biological aspects of the marine environment as well as functional morphology and taxonomy of local marine biota.
- BIO 2214 INTRODUCTION TO MARINE SCIENCE (4 credit hours)**
A combined lecture and laboratory course providing an introduction to oceanography with an emphasis on the measurement of physical, chemical, and biological aspects of the marine environment as well as functional morphology and taxonomy of local marine biota. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 2231 APPLIED AQUATIC AND TERRESTRIAL ECOLOGY, Laboratory (1 credit hour)**- A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2233 Applied Aquatic and Terrestrial Ecology, Lecture.
- BIO 2233 APPLIED AQUATIC AND TERRESTRIAL ECOLOGY, Lecture (3 credit hours)** - A lecture course covering the application of ecological principles that serve as a basis for the management of wildlife and fisheries in terrestrial and aquatic habitats.

- BIO 2234 APPLIED AQUATIC AND TERRESTRIAL ECOLOGY (4 credit hours)**- A combined lecture and laboratory course covering the application of ecological principles which serve as a basis for management of wildlife and fisheries in terrestrial and aquatic habitats. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 2311 DENDROLOGY, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2313 Dendrology, Lecture.
- BIO 2313 DENDROLOGY, Lecture (3 credit hours)** - A lecture course concerning the taxonomy, morphology, ecology, and identification of woody plants.
- BIO 2314 DENDROLOGY (4 credit hours)** - A combined lecture and laboratory course concerning the taxonomy, morphology, ecology, and identification of woody plants. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 2411 ZOOLOGY I, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2413 Zoology I, Lecture.
- BIO 2413 ZOOLOGY I, Lecture (3 credit hours)** - A lecture course that includes in-depth studies of phylogeny and classification systems, protozoa, and major invertebrate phyla.
- BIO 2414 ZOOLOGY I (4 credit hours)** - A combined lecture and laboratory course that includes in-depth studies of phylogeny and classification systems, protozoa, and major invertebrate phyla. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 2421 ZOOLOGY II, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2423 Zoology II, Lecture.

- BIO 2423 ZOOLOGY II, Lecture (3 credit hours)** - A lecture course that includes in-depth studies of animal phyla with emphasis on the vertebrates and animal systems.
- BIO 2424 ZOOLOGY II (4 credit hours)** - A combined lecture and laboratory course that includes in-depth studies of animal phyla with emphasis on the vertebrates and animal systems. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 2511 ANATOMY AND PHYSIOLOGY I, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2513 Anatomy and Physiology I, Lecture.
- BIO 2513 ANATOMY AND PHYSIOLOGY I, Lecture (3 credit hours)**
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 systems.
- BIO 2514 ANATOMY AND PHYSIOLOGY I (4 credit hours)** - A combined lecture and laboratory 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 systems. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 2521 ANATOMY AND PHYSIOLOGY II, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2523 Anatomy and Physiology II, Lecture.
- BIO 2523 ANATOMY AND PHYSIOLOGY II, Lecture (3 credit hours)** - 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 2524 ANATOMY AND PHYSIOLOGY II (4 credit hours)** - A combined lecture and laboratory course that includes detailed studies of the anatomy and physiology 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 2611 CELL BIOLOGY, Laboratory (1 credit hour)** A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2613 Cell Biology, Lecture.
- BIO 2613 CELL BIOLOGY, Lecture (3 credit hours)** - A lecture course providing a comparative study of cell structures among plant, animal and bacterial systems.
- BIO 2614 CELL BIOLOGY (4 credit hours)** - A combined lecture and laboratory course providing a comparative study of cell structures among plant, animal, and bacterial systems. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- BIO 2921 MICROBIOLOGY, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course providing a survey of the microbes (microscopic organisms) with emphasis on those affecting other forms of life, especially man.

BIO 2924 MICROBIOLOGY (4 credit hours) - A combined lecture and laboratory course providing a survey of the microbes (microscopic organisms) with emphasis on those affecting other forms of life, especially man. Labs associated with this course are devoted to lab safety and gaining hands-on experience in the areas of: microscopy, culturing techniques (pure culture and isolation and media preparation), staining techniques, aseptic technique, diagnostic procedures and effectiveness of antimicrobial agents.

BUSINESS ADMINISTRATION

BAD 1113 INTRODUCTION TO BUSINESS - This course is designed to introduce students to the basic concepts of business. Students receive instruction regarding the current business and economic environment, entrepreneurship, marketing, management, financial management, and business careers. (Note: Course description change effective Fall 2009)

BAD 1121 BUSINESS SEMINAR I - 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 - A continuation of BAD 1121.

BAD 1141 BUSINESS SEMINAR III - A continuation of BAD 1131.

BAD 1151 BUSINESS SEMINAR IV - A continuation of BAD 1141.

BAD 1213 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-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 - 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.

BAD 2323 BUSINESS STATISTICS - (Prerequisite: MAT 1313) 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. (Note: Course description change effective Fall 2009)

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. (Note: Course description and title change effective Fall 2009)

BAD 2423 LEGAL ENVIRONMENT OF BUSINESS II - This course is a continuation of Business Law 2413 and is designed to cover the following specific areas; sales contract; personal property and bailment's; partnerships; corporations; real property and leases; insurance; security and mortgages; and bankruptcy.

BAD 2513 PRINCIPLES OF MANAGEMENT - 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.

BAD 2533 COMPUTER APPLICATIONS IN BUSINESS AND INDUSTRY - This course is an introduction to MS Office Suite software, which is the industry standard. This software includes the components of an information

system: spreadsheets, presentation graphics, database management, and word processing. Data entry and retrieval records management, and electronic communications are skills taught in this course. (Note: Course description and title change effective Fall 2009)

BAD 2613 ENTREPRENEURSHIP - (3 hours credit) An applied business administration course designed to integrate the key principles of business planning, marketing, staffing, financing, management, and information systems to the task of starting, operating, and expanding a small business.

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 transferal of title, instruments used in transfers, title closing, financing, property management, insuring, and appraising.

BAD 2723 REAL ESTATE LAW - Designed to give the student a general background in the law of real property and the law of real estate brokerage.

BAD 2733 REAL ESTATE FINANCE - 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.

BAD 2743 REAL ESTATE APPRAISAL I - 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.

BAD 2753 REAL ESTATE APPRAISAL II - Emphasis placed on income approaches to real estate valuation. Prerequisite BAD 2743 Real Estate Appraisal I.

BAD 2763 PROPERTY MANAGEMENT - 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.

BAD 2813 ADMINISTRATIVE COMMUNICATIONS - A study of effective principles and practices of written communications, emphasizing a managerial approach for business and the individual.

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

BAD 2833 PRINCIPLES OF TRAINING AND DEVELOPMENT - 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 - A comprehensive study of OSHA regulations for industrial site safety and implementation methods for compliance.

BAD 2853 BUSINESS ETHICS - 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 - Mastery of core competencies to develop and deliver technology training.

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

BUSINESS AND OFFICE ADMINISTRATION

BOA 1113 ELEMENTARY TYPEWRITING - 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** - Advanced drills for speed and accuracy; letter forms; telegrams and other business forms; manuscript typewriting.
- BOA 1313 FILING-RECORDS MANAGEMENT** - 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** - This course will develop your basic keyboarding skills which will enable you to operate a microcomputer to input and retrieve information.
- BOA 2113 ADVANCED TYPEWRITING** - A continuation of BOA 1113.
- BOA 2413 SECRETARIAL PRACTICE** - 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 2533 WORD PROCESSING I** - 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** - 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** - 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 - 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 - 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 1111 CHEMISTRY SURVEY, Laboratory (1 credit hour) - A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1113 Chemistry Survey, Lecture.

CHE 1113 CHEMISTRY SURVEY, Lecture (3 credit hours) - A basic chemistry lecture course that covers terminology, measurements, atomic structure, nomenclature, chemical equations and basic stoichiometry.

CHE 1114 CHEMISTRY SURVEY (4 credit hours)- 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 I, Laboratory (1 credit hour) - 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 (3 credit hours)** - A lecture course that covers atomic and molecular structure, nomenclature and chemical formulas, chemical reactions, mole concept and stoichiometry, bonding, and gases.
- CHE 1214 GENERAL CHEMISTRY I (4 credit hours)** - A combined lecture and laboratory course that covers atomic and molecular structure, nomenclature and chemical formulas, chemical reactions, mole concept and stoichiometry, bonding, and gases. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- CHE 1221 GENERAL CHEMISTRY II, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course that covers solutions, kinetics, equilibria, thermodynamics, acid-base chemistry, and electrochemistry.
- CHE 1224 GENERAL CHEMISTRY II (4 credit hours)** - A combined lecture and laboratory course that covers solutions, kinetics, equilibria, thermodynamics, acid-base chemistry, and electrochemistry. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- CHE 1311 PRINCIPLES OF CHEMISTRY I, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course that emphasizes basic terminology, measurement, atomic structure, periodic table, chemical bonding, stoichiometry, energy and states of matter.

- CHE 1314 PRINCIPLES OF CHEMISTRY I (4 credit hours)** - A combined lecture and laboratory course that emphasizes basic terminology, measurement, atomic structure, periodic table, chemical bonding, stoichiometry, energy and states of matter. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- CHE 1321 PRINCIPLES OF CHEMISTRY II, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course that emphasizes chemical stoichiometry, gases, solutions, acids/bases, and an introduction to organic chemistry.
- CHE 1324 PRINCIPLES OF CHEMISTRY II (4 credit hours)** - A combined lecture and laboratory course that emphasizes chemical stoichiometry, gases, solutions, acids/bases, and an introduction to organic chemistry. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- CHE 1411 ORGANIC AND BIOCHEMISTRY SURVEY, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1413 Organic and Biochemistry Survey, Lecture.
- CHE 1413 ORGANIC AND BIOCHEMISTRY SURVEY, Lecture (3 credit hours)** - A lecture course that covers the fundamentals of organic chemistry. The last portion of the course emphasizes organic compounds and reactions involved in biological processes.
- CHE 1414 ORGANIC AND BIOCHEMISTRY SURVEY (4 credit hours)** - A combined lecture and laboratory course that covers the fundamentals of organic chemistry. The last portion of the course emphasizes organic compounds and reactions involved in biological processes. Labs associated with this course

contain experiments and exercises that reinforce the principles introduced in lecture classes.

- CHE 2411 INTRODUCTORY ORGANIC CHEMISTRY, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 2413 Introductory Organic Chemistry, Lecture.
- CHE 2413 INTRODUCTORY ORGANIC CHEMISTRY, Lecture (3 credit hours)** - A lecture course in the fundamentals of organic chemistry for students requiring one semester of organic chemistry.
- CHE 2414 INTRODUCTORY ORGANIC CHEMISTRY (4 credit hours)** - A combined lecture and laboratory course in the fundamentals of organic chemistry for students requiring one semester of organic chemistry. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- CHE 2421 ORGANIC CHEMISTRY I, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course that covers carbon chemistry, bonding structure and behavior, aliphatic compounds, stereochemistry, and reaction mechanisms.
- CHE 2424 ORGANIC CHEMISTRY I (4 credit hours)** - A combined lecture and laboratory course that covers carbon chemistry, bonding structure and behavior, aliphatic compounds, stereochemistry, and reaction mechanisms. Labs associated with this course acquaint students with important manipulations and procedures, and the preparation and study of organic compounds.
- CHE 2431 ORGANIC CHEMISTRY II, Laboratory (1 credit hour)** - 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 (3 credit hours) -**
A lecture course that covers spectroscopy, aromatic compounds, carbonyl compounds and other complex compounds with emphasis on reactions, reaction mechanisms and nomenclature.
- CHE 2434 ORGANIC CHEMISTRY II (4 credit hours) -** A combined lecture and laboratory course that covers spectroscopy, aromatic compounds, carbonyl compounds and other complex compounds with emphasis on reactions, reaction mechanisms and nomenclature. Labs associated with this course acquaint students with important manipulations and procedures, as well as the preparation and study of aromatic and complex organic compounds.

COOPERATIVE EDUCATION

- 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.*

COMMUNICATIONS

COM 0113 COMMUNICATION SKILLS - A computerized
instructional course to enhance basic skills in
language and writing. Tests determine prescribed
lessons based on need. The self-paced course
includes computer-assisted instruction and written
assignment. **For Institutional Credit ONLY.**
(Note: Course number change effective Fall 2009)

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.

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.

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.

COM 1443 RADIO PRODUCTION - Introductory course in radio
production covering control room on-air production
and off-air program production.

- COM 1463 TV PRODUCTION** - Practical experience in production of television programs and the techniques of production including camera, audio, lighting, staging, graphics, and on-campus appearance.
- COM 1511 RADIO/TV PRODUCTION LAB** - Lab experience in radio or television production.
- COM 1521 RADIO/TV PRODUCTION LAB II** - Lab experience in radio or television production.
- COM 2463 WRITING FOR THE ELECTRONIC MEDIA** - Introductory course to teach the basic skills of broadcast writing, reporting and production.
- COM 2511 RADIO/TV PRODUCTION LAB III** - Lab experience in radio or television production.
- COM 2521 RADIO/TV PRODUCTION LAB IV** - Lab experience in radio or television production.
- COM 2483 INTRODUCTION TO 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 life and in society.

COMPUTER SCIENCE

- CSC 1113 COMPUTER CONCEPTS** - A computer competency course which introduces concepts, terminology, operating systems, electronic communications, and applications. Concepts are demonstrated and supplemented by hands-on computer use. (3 credit hours - lecture/lab)
- 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 integration of these applications. (3 credit hours - lecture/lab)
- 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. (3 credit hours - lecture/lab)

- CSC 1213 VISUAL BASIC COMPUTER PROGRAMMING I** - This course is designed to introduce the writing of event-driven programs using the VISUAL BASIC computer programming language with emphasis on problem solving, documentation, program statements, algorithms, and common routines. (3 credit hours, Course has lecture and lab components.)
- CSC 1223 VISUAL BASIC COMPUTER PROGRAMMING II** - This course is designed as a continuation of CSC 1213 with advanced event-driven programming concepts using the VISUAL BASIC language with emphasis on functions, modules, search and sort algorithms, sequential access, random access, and external file management. (3 credit hours, Course has lecture and lab components.) Prerequisite: CSC 1213
- CSC 1613 COMPUTER PROGRAMMING I** - Introduction to problem-solving methods and algorithm development which emphasizes the imperative first approach; designing, debugging, looping, scope rules, functions, and a variety of applications in an object-oriented programming language. (3 credit hours, Course has lecture and lab components.)
- CSC 2134 PROGRAMMING I with "C++"** - An introduction to problem solving methods, algorithm development, designing, debugging, and documentation in C++ language with a variety of applications including: I/O statements, arithmetic, logical, conditional, looping, methods/functions, and array processing. (3 hour lecture and a required lab component) Prerequisite: previous programming experience or permission of instructor.
- CSC 2144 PROGRAMMING II WITH "C++"** - Continued program and algorithm development and analysis; search/sort methods; abstract data types and object-oriented design; designing and debugging larger programs using C++ language. (3 hour lecture and a required lab component) Prerequisite: CSC 2134

- CSC 2323 FORTRAN PROGRAMMING** - This course is a programming course with emphasis on the syntax and structure of FORTRAN programming using problem solving applications in mathematics, engineering, and science. (2hr lecture, 2 hr lab)
- CSC 2413 COBOL PROGRAMMING** - An introduction to structured COBOL language includes design and debugging, I/O processing, arithmetic statements, report generating, looping, conditional statements, control breaks, and table processing with emphasis on problem solving application in business. (2hr lecture, 2hr lab)
- CSC 2543 COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE** - An introduction to computer architecture, hardware, software, and programming in an assembly language. (2hr lecture, 2hr lab) Prerequisite: previous programming experience.
- CSC 2623 COMPUTER PROGRAMMING II** - Continuation of the object-oriented language from CSC 1613 and advanced program development; algorithm analysis; string processing; recursion; internal search/sort methods; simple data structures; debugging, and testing of large programs. (3 credit hours. Course has lecture and lab components.) Prerequisite: CSC 1613
- CSC 2833 DISCRETE STRUCTURES** - Topics from logic and mathematical reasoning, set theory, recursion, combinatorics, number theory, Boolean algebra, digital logic, and graph theory, which are fundamental to the study of Computer Science. Prerequisite: Calculus I or permission of instructor and a structured computer programming course. Three hours lecture.
- CSC 2844 DATA STRUCTURES** - 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. (3 hour lecture and required lab) Prerequisite: CSC 2144.

CRIMINAL JUSTICE

- 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 1323 POLICE ADMINISTRATION AND ORGANIZATION** -Principles of organization and administration in law enforcement as applied to law enforcement agencies; introduction to concepts of organizational behavior. (Note: Course title change effective Fall 2009)
- CRJ 1333 POLICE ADMINISTRATION AND ORGANIZATION II** (Note: Course deleted effective Fall 2009)
- CRJ 1343 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 1353 INTERNSHIP IN CRIMINAL JUSTICE** - Internship in an approved criminal justice agency under supervision of the agency concerned and college instructor. Written report required of agency. (Note: Course description change effective Fall 2009)
- CRJ 1363 INTRODUCTION TO CORRECTIONS** - 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 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 (3 credit hours).
- 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 Constitutions, and federal and state statutes. (Note: Course description and title change effective Fall 2009)
- CRJ 2333 CRIMINAL INVESTIGATION** - Fundamentals, search and recording, collection and preservation of evidence, finger printing, photography, sources of information, interviews and interrogation. Follow up. (Note: Course title change effective Fall 2009)
- CRJ 2343 CRIMINAL INVESTIGATION II** - (Note: Course deleted effective Fall 2009)
- CRJ 2393 SURVEY OF CRIMINALISTICS** - The study of scientific crime detection methods; modus operandi, crime scene search, preservation of evidence, research projects and class participation required. (Note: deleted Prerequisite: Permission of the instructor, effective Fall 2009)
- CRJ 2413 ADMINISTRATION OF CRIMINAL JUSTICE** - 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. (Note: Course title change effective Fall 2009)
- CRJ 2423 ADMINISTRATION OF CRIMINAL JUSTICE II** - (Note: Course deleted effective Fall 2009)

- 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. (Note: Course title change effective Fall 2009)
- CRJ 2613 COMPUTER SECURITY** - 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** - 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.
- CRJ 2713 FOUNDATIONS OF TERRORISM** - Survey of the role of the criminal justice professional in combating terrorism in the modern world (3 credit hours).

DANCE

- DAN 1113 DANCE APPRECIATION** - A survey of dance as a worldwide phenomenon of human behavior and its function in human society, past and present. (3 hr lecture)
- DAN 1123 DANCE IN CULTURE** - An in depth survey of dance as a world wide phenomenon of human behavior as an integral factor in developing cultures and societies. (Note: Effective Fall 2009)
- DAN 1212 BEGINNING MODERN DANCE** - Discussion and practice of movement patterns improvisation, and studies in modern dance. May be repeated four times for credit. (Note: Effective Fall 2009)
- DAN 1223 MODERN DANCE TECHNIQUE II** - A survey of modern dance techniques from past to present forms. (Note: Effective Fall 2009)
- DAN 1312 JAZZ DANCE I** - The study and application of the basic skills of Jazz Dance.

- DAN 1322 JAZZ DANCE II** - The study and application of jazz movement. Open to nonmajors with consent of the instructor.
- DAN 1412 BEGINNING TAP** - Developing an understanding and practice of movement skills basic to tap dance of America.
- DAN 1422 TAP DANCE** - Study of the various styles of tap. May be taken four times for credit. (Note: Effective Fall 2009)
- DAN 1542 BEGINNING BALLET** - Discussion and practice of ballet skills for the non-major.
- DAN 1553 BALLET TECHNIQUE II** - Discussion and practice of ballet skills for the dance major. A continuation of Beginning Ballet. Open to non-majors with consent of instructor.
- DAN 1571 DANCE I** - Lecture and participation in beginning Modern Dance Technique.
- DAN 1581 DANCE II** - Lecture and participation in Ballet Dance Technique.
- DAN 1642 IRISH TRADITIONAL DANCE** - Discussion and practice of movements in Irish Traditional Dance.
- DAN 1711 DANCE REPERTORY** - A structured rehearsal process culminating in public performance. (Note: Effective Fall 2009)
- DAN 2113 DANCE NOTATION I** - Course in morif writing, based on the Language of Dance (LOD) and Labanotation, Rudolf Laban's system of analyzing and recording human movement.
- DAN 2243 DANCE IMPROVISATION** - An exploration of the elements of dance through the spontaneous act of creating and performing movement. (Note: Effective Fall 2009)
- DAN 2253 DANCE COMPOSITION** - Exploration of the elements of dance applied to dance choreography. (Note: Effective Fall 2009)

- DAN 2543 BALLET TECHNIQUE III** - Continuation and further enrichment of the technique of ballet for the dance major. A continuation of DAN 1553. Open to non-majors with consent of instructor.
- DAN 2553 BALLET TECHNIQUE IV** - Continuation and further enrichment of the technique of ballet for the dance major. A continuation of DAN 2543. Open to non-majors with consent of instructor.
- DAN 2571 DANCE III** - Lecture and participation in beginning Tap Dance Technique.
- DAN 2581 DANCE IV** - Lecture and participation in beginning Jazz Dance Technique.

ECONOMICS

- 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 economies and international trade. (Note: Course description and title change effective Fall 2009)
- 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. (Note: Course description and title change effective Fall 2009)

EDUCATION

- 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 2513 INTRODUCTION TO ELEMENTARY EDUCATION** - An introduction to elementary schools and the role of teachers. Study of philosophical thought in relation to educational assumptions, questions, problems and alternatives. Includes a minimum of

40 hours field experience in the elementary schools.

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.

EDUCATIONAL PSYCHOLOGY

EPY 2513 CHILD PSYCHOLOGY - A study of the various aspects of human growth and development during childhood. Topics include physical, psychosocial and cognitive development from conception into emerging adolescence. (Note: Course description and title change effective Fall 2009)

EPY 2523 ADOLESCENT PSYCHOLOGY - A study of human growth and development during adolescence. This includes physical, cognitive and psychosocial development. (Note: Course description and title change effective Fall 2009)

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. (Note: Course description and title change effective Fall 2009)

ENGINEERING

EGR 2413 ENGINEERING MECHANICS I: Statics (3 credit hours)
A lecture course covering the equilibrium of point objects and extended objects in two and three dimensions using vector algebra. Also discussed are distributed forces, structures, friction, and moments of inertia in two and three dimensions.

EGR 2433 MECHANICS OF MATERIALS (3 credit hours) - A lecture course covering free body diagrams equilibrium of simple structure, shear and moment bending diagrams, analysis of stress and strain, and deflections of beams.

ENGLISH

- ENG 0113 BEGINNING ENGLISH** - ENG 0113 is designed to meet the needs of students whose skills in written communication require some standardization. Emphasis is on Basic English grammar through varied writing assignments with a review of mechanics, sentence patterns, and correct usage. (Note: Course number change effective Fall 2009)
- ENG 0123 INTERMEDIATE ENGLISH** - ENG 0123 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 are reviewed. (Note: Course number change effective Fall 2009)
- ENG 1113 ENGLISH COMPOSITION I** - English 1113 is designed to prepare the student for writings required in college and the workplace with an emphasis on effective paragraph and essay development.
- ENG 1123 ENGLISH COMPOSITION II** - ENG 1123 is a continuation of ENG 1113 with emphasis on research and composition. Readings, essays, and a research paper are required.
- ENG 2133 CREATIVE WRITING I** - ENG 2133 involves writing poetry, short fiction, creative nonfiction, and drama.
- ENG 2143 CREATIVE WRITING II** - ENG 2143 is a continuation of writing poetry, short fiction, creative nonfiction, and drama.
- ENG 2153 TRADITIONAL GRAMMAR** - ENG 2153, a course for serious writers and teachers of writing, focuses on the basic elements of English grammar. Beginning with parts of speech, it covers sentence patterns, pronouns, troublesome verbs, subject-verb agreement, spelling, diction, punctuation, and mechanics: all of the aspects of traditional grammar that writers--including elementary teachers introducing language skills to children--may encounter.

- ENG 2213 SURVEY OF AMERICAN LITERATURE (One Semester)** - ENG 2213 surveys American literature from its beginnings to the present.
- ENG 2223 AMERICAN LITERATURE I** - ENG 2223 surveys representative prose and poetry of the United States from its beginnings to the Civil War.
- ENG 2233 AMERICAN LITERATURE II** - ENG 2233 surveys representative prose and poetry of the United States from Civil War to the present.
- ENG 2323 BRITISH LITERATURE I** - ENG 2323 surveys British Literature from the Anglo-Saxon Period through the Restoration and Eighteenth Century.
- ENG 2333 BRITISH LITERATURE II** - ENG 2333 surveys British Literature from the Romantic Period through the Twentieth Century.
- ENG 2413 SURVEY OF WORLD LITERATURE (One Semester)** - ENG 2413 surveys literature from the ancient world through the Twentieth Century.
- ENG 2423 WORLD LITERATURE I** - ENG 2423 surveys literature from the ancient world through the Renaissance.
- ENG 2433 WORLD LITERATURE II** - ENG 2433 surveys literature from the Neoclassical Period through the Twentieth Century.
- ENG 2513 SURVEY OF AFRICAN-AMERICAN LITERATURE (ONE Semester)** - ENG 2513 surveys African-American literature from its beginnings to the present.
- ENG 2523 AFRICAN-AMERICAN LITERATURE I** - ENG 2523 surveys African-American literature from its beginnings to the Harlem Renaissance.
- ENG 2533 AFRICAN-AMERICAN LITERATURE II** - ENG 2533 surveys African-American literature from the Harlem Renaissance to the present.
- ENG 2613 FILM AS LITERATURE** - ENG 2613 involves the study of current and classic motion pictures as a form of literary, historic, and cinematic expression.

ENG 2913 OCCUPATIONAL WRITING - 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.

ENG 2923 PROFESSIONAL WRITING - ENG 2923 is designed for students who are interested in writing as a marketable skill and in writing as a profession. Emphasis is given to meeting specific publishing requirements for novels, short fiction, poetry, drama, television scripts, and newspaper and magazine articles.

FAMILY AND CONSUMER SCIENCE

FCS 1112 SOCIAL AND PROFESSIONAL DEVELOPMENT - The essentials of good manners and accepted standards for social and professional interactions.

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 1131 INTRODUCTION TO MODELING - The fundamentals of personal poise and techniques of modeling; students will learn about careers in modeling and gain experience modeling and writing commentaries.

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

FCS 1233 PRINCIPLES OF NUTRITION (3 credit hours) - A lecture course covering the nutrients required for growth and optimal health emphasizing recommended nutrient intake, food selection,

digestion, absorption, transport, metabolism, and function.

FCS 1253 NUTRITION (3 credit hours) - A lecture course covering the nutrients required for normal growth and prevention of major chronic diseases, and applied to the selection of food for ingestion, the metabolic process of digestion, assimilation, and absorption, and the applications for healthcare 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 2413 INTERIOR DESIGN - The application of art elements and principles to furnishing and decorating interiors, housing standards, factors influencing the selection of family shelter, space planning in relation to family needs and income, and the selection and arrangement of household furnishings.

FCS 2813 FAMILY RELATIONS - Relationships and adjustments involved in the modern family that contributes to success and happiness in courtship, marriage, and family life.

FORENSIC SCIENCE

FSC 1113 INTRODUCTION TO FORENSIC SCIENCE - This course is designed to introduce students to the basics of forensic science. Students will be introduced to the scientific concepts, methods, practices and analytical instrumentation utilized by forensic scientists for the recognition, collection, preservation, identification comparison, analysis and documentation of physical evidence.

GEOGRAPHY

GEO 1113 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** – 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 1213 INTRODUCTION TO METEOROLOGY** – Descriptive study of weather with the objective of gaining appreciation of the variety of atmospheric phenomena. The effect of weather and climate on man and his activities.
- GEO 1223 INTRODUCTION TO OCEANOGRAPHY** - This course will cover waves, tides, ocean currents, fluid stratification, sound and electromagnetic propagation, air-sea interaction as well as the physical description of the world's oceans.
- GEO 1233 INTRODUCTION TO CLIMATOLOGY** - A non-technical introduction to the climates of the earth. Topics include climatic controls, climate classification, climate zones of the world, climate change, and people's interaction with climate.
- GEO 1243 INTRODUCTION TO HYDROLOGY** - Study of the hydrologic cycle and component processes: precipitation, evaporation, transpiration, snow melt, run off, stream flow and ground water. Prerequisite: GEO 1213.
- GEO 2313 MAPS AND REMOTE SENSING** – Fundamental principals of cartography and remote sensing, including types and applications. Attention is given to interpretation of surface features, environmental problem solving, and environmental planning. Prerequisite of GEO 1113 or 1123 required. (Note: Pre-requisite added effective Fall 2009)
- GEO 2413 THE OCEANS** - (Note: Course deleted effective Fall 2009)

GEOLOGY

- GLY 1111 PHYSICAL GEOLOGY LAB** - Laboratory course which may accompany GLY 1113. Study of the common rocks, minerals, topographic maps and geologic maps.
- GLY 1113 PHYSICAL GEOLOGY** - Study of the earth, its materials and the forces acting upon them, and the land forms and their development.
- GLY 1121 HISTORICAL GEOLOGY LAB** - Prerequisite: GLY 1111. Laboratory course which may accompany GLY 1123. Study of fossils and geologic maps.
- GLY 1123 HISTORICAL GEOLOGY** - Study of the earth, its history and development and its life, as revealed by the character and fossil content of rock.

GRAPHICS AND DRAWING

- GRA 1113 ENGINEERING DRAWING I** - The use of instruments, geometric construction, orthographic projections, sectional views, and lettering.
- GRA 1143 GRAPHIC COMMUNICATIONS** - Orthographic projections, multi-view projections, general use of instruments, points, line, planes, and identities. Computer assistant design and drawing on computer.
- 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.

HEALTH, PHYSICAL EDUCATION & RECREATION

- HPR 0113 FOUNDATION OF HEALTH** - 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. (Note: Course number change effective Fall 2009)

HPR 1111 GENERAL PHYSICAL EDUCATION ACTIVITIES I - This course is designed to give students a modern concept of physical education and recreation 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 - This course is designed to give students a modern concept of physical education and recreation 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 - Participation in

varsity sport. (name sport)

HPR 1141 VARSITY SPORTS - Participation in

varsity sport. (name sport)

HPR 1151 GENERAL PHYSICAL EDUCATION ACTIVITIES- This course is designed to give students a modern concept of physical education and recreation 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 1161 GENERAL PHYSICAL EDUCATION ACTIVITIES- This course is designed to give students a modern concept of physical education and recreation 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 1171 GENERAL PHYSICAL EDUCATION ACTIVITIES- This course is designed to give students a modern concept of physical education and recreation 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 1181 GENERAL PHYSICAL EDUCATION ACTIVITIES- This course is designed to give students a modern concept of physical education and recreation 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 1213 PERSONAL AND COMMUNITY HEALTH I - 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 - A continuation of HPR 1213. (See Note)

HPR 1313 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION & RECREATION - 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 - Lecture on rules and techniques in (activities) _____.
(name sport)

HPR 1521 TEAM SPORTS - Lecture on rules and techniques in (activities) _____.
(name sport)

HPR 1531 INDIVIDUAL & DUAL SPORTS - Lecture and practice _____.
(name sport)

HPR 1541 INDIVIDUAL & DUAL SPORTS - Lecture and practice _____.
(name sport)

HPR 1551 FITNESS AND CONDITIONING TRAINING - Lecture and practice in

name: (1) body mechanics,

(2) weight training or gymnastics.

HPR 1561 FITNESS AND CONDITIONING TRAINING - Lecture and practice in

name: (1) body mechanics,

(2) weight training or gymnastics.

HPR 1571 DANCE I - 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 - 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 - 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.

HPR 1613 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL I - 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 - 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 - A survey course designed to expose the student to the importance and significance of nutrition in health and physical education.

HPR 1761 WELLNESS & WEIGHT CONTROL - 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.

HPR 2111 GENERAL PHYSICAL EDUCATION ACTIVITIES III - This course is designed to give students a modern concept of physical education and recreation 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 - This course is designed to give students a modern concept of physical education and recreation 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 - Participation in

varsity sport. (name sport)

HPR 2141 VARSITY SPORTS - Participation in

varsity sport. (name sport)

- HPR 2213 FIRST AID & CPR** - Instruction and practice in methods prescribed in the American Red Cross standard and advanced courses. (Does not transfer to some schools as a physical education course).
- HPR 2221 WATER SAFETY AND LIFE SAVING** - This is the American Red Cross Senior Life Saving Course with emphasis toward certifying life guards for swimming areas.
- HPR 2231 WATER SAFETY INSTRUCTOR** - 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** - Planning and leadership techniques for conducting community recreation centers, playgrounds, parks, and school recreation programs.
- HPR 2412 INDIVIDUAL & TEAM SPORTS OFFICIATING** - Rules, interpretations, officiating techniques, and tournament organizations for individual and team sports for men and women. Open primarily to physical education majors.
- HPR 2423 FOOTBALL THEORY** - 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** - 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** - 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.
- 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.

HPR 2462/2472 PHYSICAL EDUCATION (MAJOR SPORTS) - 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.

HPR 2483 TRACK THEORY - 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 2493 SOFTBALL THEORY - Philosophies of coaching, leadership, teaching techniques, team or organization, softball strategies, preparation for games, and preparation and care of softball fields.

HPR 2511 TEAM SPORTS - Lecture on rules and techniques.
Practice in (activities)

(name sport)

HPR 2521 TEAM SPORTS - Lecture on rules and techniques.
Practice in (activities)

(name sport)

HPR 2531 INDIVIDUAL & DUAL SPORTS - Lecture and practice in
_____, _____.
(name sport)

HPR 2541 INDIVIDUAL & DUAL SPORTS - Lecture and practice in
_____, _____.
(name sport)

HPR 2551 FITNESS AND CONDITIONING TRAINING - Lecture and practice in

name: (1) body mechanics, (2) weight training,

or gymnastics.

HPR 2561 FITNESS AND CONDITIONING TRAINING - Lecture and practice in

name: (1) body mechanics, (2) weight training,

or gymnastics.

HPR 2571 DANCE III - 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.

HPR 2581 DANCE IV - 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.

HISTORY

HIS 1113 WESTERN CIVILIZATION I - A general survey of European History from ancient times to mid-seventeenth century. (Note: Course description change effective Fall 2009)

HIS 1123 WESTERN CIVILIZATION II - A general survey of European History since the seventeenth century. (Note: Course description change effective Fall 2009)

HIS 1163 WORLD CIVILIZATION I - A general survey of World History from Ancient times to the 1500s. (Note: Course description change effective Fall 2009)

HIS 1173 WORLD CIVILIZATION II - A general survey of World History from the 1500s to modern times. (Note: Course description change effective Fall 2009)

HIS 1613 SURVEY OF AFRICAN-AMERICAN HISTORY - This is a survey of African-American History from the study of one or more African civilizations. (Note: Course description change effective Fall 2009)

HIS 2213 AMERICAN (U.S.) HISTORY I - This is a survey of American (U.S.) History from pre-history through Reconstruction. (Note: Course description change effective Fall 2009)

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

HIS 2813 SPECIAL PROBLEMS IN HISTORY/SOCIAL STUDIES -
Special topics in History/Social Studies. Credit and title to be determined. Topics will vary from semester to semester. This course is to be used on a limited basis to offer expansion upon subject matter areas covered in existing courses. (Courses limited to two offerings under one title within two academic years.) (Note: Course description change effective Fall 2009)

HONORS

HON 1911 HONORS 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.

HON 1921 HONORS FORUM II (with Lab) - 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.

HON 2911 HONORS FORUM III - A continuation of HON 1921.

HON 2921 HONORS FORUM IV - A continuation of HON 2911.

HUMANITIES

HUM 1113 INTRODUCTION TO HUMANITIES - A humanistic approach to man's creative achievements in art, literature, music, and philosophy in western civilization.

INDUSTRIAL ARTS, INDUSTRIAL EDUCATION

- IED 1213 WOODWORKING I** - Knowledge, appreciation, and skill in use of hand tools; wood joints, finishes, fasteners, and job planning.
- IED 1813 BASIC ELECTRICITY AND ELECTRONICS** - A study of basic electrical phenomenon to fundamental electronics.
- 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.
- IED 2323 FORGING AND WELDING** - Practice in hand forging; annealing, hardening, and tempering of tool steel; gas and electric welding.
- 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.
- 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.

JOURNALISM

- JOU 1111 COLLEGE PUBLICATIONS I** - A laboratory course 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** - A continuation of JOU 1111.
- JOU 1223 BASIC NEWS REPORTING** - 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** - 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** - The preparation of advertising copy and layouts for newspapers, agencies, and retail advertising. Types of layouts; copy writing and proofreading, with emphasis on proof marks.
- JOU 2111 COLLEGE PUBLICATIONS III** - 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** - 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 2513 BEGINNING PHOTOGRAPHY** - An introduction to basic photography. Students learn to take pictures, process film and print pictures. No previous experience required.
- JOU 2523 ADVANCED PHOTOGRAPHY** - 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.
- JOU 2613 FUNDAMENTALS OF DIGITAL PHOTOGRAPHY** - A course designed to give students an introduction to the world of digital photography. Included are features of the digital camera and managing your digital assets by editing, printing, and archiving images or preparing them for web distribution.

LEADERSHIP

- LEA 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.
- LEA 1821 LEADERSHIP AND ORGANIZATION SKILLS II** - (Prerequisite: LEA 1811) Continued study of LEA 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.
- LEA 1831 LEADERSHIP AND ORGANIZATION SKILLS III** - (Prerequisite: LEA 1811, 1821) Continued study of LEA 1811, LEA 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.
- LEA 1841 LEADERSHIP AND ORGANIZATION SKILLS IV** - (Prerequisite: LEA 1811, 1821, 1831) A continuation of activities and events of LEA 1811, LEA 1821, and LEA 1831).
- 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 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.
- LEA 1921 LEADERSHIP AND COMMUNICATION SKILLS DEVELOPMENT - RECRUITING AND PUBLIC RELATIONS II**-A continuation of LEA 1911.

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

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

LEARNING AND LIFE SKILLS

LLS 0113 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. (Note: Course number change effective Fall 2009)

LLS 0123 ESSENTIAL COLLEGE SKILLS II - A continuation of LLS 0113. (Note: Course number change effective Fall 2009)

LLS 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.

LLS 1211 SELF-AFFIRMATION - Group process to teach people to like themselves better, and to become aware of their strengths.

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

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 - 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 1331 INTRODUCTION TO HEALTH PROFESSIONS - This course looks at specific allied professions, describes the education necessary, certification requirements, and expected salary. The course discusses all levels of healthcare professionals from those requiring a certificate or diploma to those requiring an associate, bachelor, or doctoral degree.

LLS 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.

LLS 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.

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

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.

LIBRARY AND SCIENCE

LIS 1111 LIBRARY SCIENCE I - Introduction to the technical processing of books and other library material.

LIS 1121 LIBRARY SCIENCE II - Students will locate, select, and synthesize information from a variety of text, media, references and technological sources. Course includes network basics, formulating searches, library tools, Internet, citing resources, and publishing WEB pages.

MATHEMATICS

MAT 0113 FUNDAMENTALS OF MATHEMATICS - A review of fundamental arithmetic skills. A study of the four basic operations with whole numbers, fractions, decimals, and percentages. Also covered are ratio and proportions, order of operations, and applications. (Note: Course number change effective Fall 2009)

MAT 0123 BEGINNING ALGEBRA - A course in algebra to include operations with real numbers, linear equations, the coordinate system, linear inequalities, exponents, operations with polynomials, and factoring. (Note: Course number change effective Fall 2009)

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 1121 ADVANCED GRAPHING CALCULATOR - This course is a continuation of MAT 1111. Topics covered include advanced matrix operations, parametric graphing, advanced function graphing, Boolean algebra and programming.

MAT 1213 COLLEGE MATHEMATICS I - 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 COLLEGE MATHEMATICS II - This course presents ideas of elementary algebra. These include linear

equations and inequalities, graphing, exponents and polynomials, factoring and rational expressions.

MAT 1233 INTERMEDIATE ALGEBRA - The topics include linear equations and their graphs; inequalities and number line graphs; rational expressions; factoring; exponents; radicals; polynomials.

MAT 1313 COLLEGE ALGEBRA - This course includes inequalities; functions; linear and quadratic equations, circles, and their graphs; applications; polynomial and rational functions; logarithmic and exponential functions; systems of equations.

MAT 1323 TRIGONOMETRY - This course includes trigonometric functions and their graphs; functions of composite angles; fundamental relations; trigonometric equations; radian measurement; solutions of right and oblique triangles; inverse trigonometric functions; applications.

MAT 1333 FINITE MATHEMATICS - An introduction to sets, functions, matrices, linear programming, and probability with applications in business decision making and behavioral sciences.

MAT 1343 PRE-CALCULUS - A review of college algebra and trigonometry in preparation for Calculus I. Topics include functions; solving equations; logarithmic and exponential functions; trigonometric functions; solving trigonometric equations.

MAT 1513 BUSINESS CALCULUS I - A study of functions, limits, continuity, derivatives, and their applications to business and economics.

MAT 1523 BUSINESS CALCULUS II - A study of antiderivatives, techniques of integration, applications of the definite integral, extrema, and applications to business and economics.

MAT 1611 CALCULUS I - LABORATORY - Co-requisite MAT 1613 or 1815. This course includes the investigation of

the techniques studied in Calculus I thru the use of the graphing calculator and/or computer.

MAT 1613 CALCULUS I- This course includes the following topics: limits; continuity; the definition of the derivative; differentiation; applications; anti-derivatives.

MAT 1623 CALCULUS II- Prerequisite: MAT 1613. This course includes the following topics: the definite integral; differentiation and integration of transcendental functions, techniques of integration; applications.

MAT 1723 REAL NUMBER SYSTEM - Designed for elementary and special education majors, this course includes set theory, numeration systems, foundations of number theory, and properties and operations of real numbers.

MAT 1733 GEOMETRY, MEASUREMENT AND PROBABILITY - Designed for elementary and special education majors, this course includes geometric definitions, shapes, and formulas; linear and angular measurements; unit conversions, statistics and probability.

MAT 1743 PROBLEM SOLVING WITH REAL NUMBERS - Designed for elementary and special education majors, this course includes logic, applications of real numbers, probability, and statistics.

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

MAT 1815 CALCULUS I-A - This course includes the following topics: limits; continuity; the definition of the derivative; differentiation; applications; antiderivatives; the definite integral; differentiation and integration of transcendental functions.

MAT 1825 CALCULUS II-A - Prerequisite: MAT 1815. This course includes the following topics: techniques of integration; applications; analytical geometry;

parametric equations; polar coordinates; improper integrals; infinite series.

MAT 2113 INTRODUCTION TO LINEAR ALGEBRA - Prerequisite: MAT 1623 or 1815. This course includes the following topics: systems of linear equations; matrices; Vector spaces; determinantes; linear transformation; Eigenvalues and Eigenvectors.

MAT 2323 STATISTICS - Introduction to statistical methods of describing, summarizing, comparing, and interpreting data to include probability distributions, sampling, estimation, confidence intervals, and hypothesis testing.

MAT 2513 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 - Prerequisite: MAT 1623. This course includes the following topics: analytical geometry; parametric equations; polar coordinates; improper integrals, infinite series.

MAT 2623 CALCULUS IV - Prerequisite: MAT 2613 or MAT 1825. This course includes the following topics: partial differentiation; multiple integration; vector calculus; quadric surfaces.

MAT 2815 CALCULUS III-A - 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.

MAT 2913 DIFFERENTIAL EQUATIONS - This course includes the following topics: solution of first and higher order differential equations, existence theorems, Laplace transforms; applications.

MILITARY SCIENCE (AIR FORCE)

AFR 1111 FOUNDATIONS OF THE UNITED STATES AIR FORCE I

AFR 1121 LEADERSHIP LAB I

AFR 1211 FOUNDATIONS OF THE UNITED STATES AIR FORCE II

AFR 1221 LEADERSHIP LAB II

AFR 2111 THE EVOLUTION OF US AIR AND SPACE POWER I

AFR 2121 LEADERSHIP LAB I

AFR 2211 THE EVOLUTION OF US AIR AND SPACE POWER II

AFR 2221 LEADERSHIP LAB II

AMR 1114 FOUNDATIONS OF OFFICERSHIP - 4 hrs. Prerequisite: Approval of Military Science Faculty. Introduction to leadership and the Armed Forces. Course topics include small group leadership, decision making, team building, first aid, problem solving, and adventure training such as rappelling and paintball. Includes a leadership lab and physical training.

AMR 1124 BASIC LEADERSHIP - 4 hrs. Prerequisite: Approval of Military Science Faculty. Fundamental leadership and training techniques. Exposure to military skills and traditions and practical application of leadership and problem solving. Study areas include adventure training, map reading, military customs, and leadership concepts. Includes a leadership lab and physical training.

AMR 2114 INDIVIDUAL LEADERSHIP STUDIES - 4 hrs. Prerequisite: AMR 1114, 1124 or approval of the Professor of Military Science Faculty. Develop individual leadership skills. Apply problem solving, communication and conflict resolution skills. Teach basic leadership skills and squad tactics.

AMR 2124 LEADERSHIP AND TEAMWORK - 4 hrs. Prerequisites: AMR 1114, 1124 or approval of Military Science Faculty. An Application of leadership action skills with emphasis on beliefs, values, ethics, counseling techniques and group interaction

skills. Includes a leadership lab and physical training.

MODERN & FOREIGN LANGUAGE

- MFL 1113 FRENCH I** - MFL 1113, an oral-aural approach, stresses conversation, pronunciation, comprehension, reading, writing, and functional grammar with emphasis on the practical aspects of the language.
- MFL 1123 FRENCH II** - MFL 1123 continues MFL 1113 with wider vocabulary and more complex structures and functions.
- MFL 1213 SPANISH I** - MFL 1213, an oral-aural approach stresses conversation, pronunciation, comprehension, reading, writing, and functional grammar with emphasis on the practical aspects of the language.
- MFL 1223 SPANISH II** - MFL 1223 continues MFL 1213 with wider vocabulary and more complex structures and functions.
- MFL 1313 GERMAN I** - MFL 1313, an introductory course, incorporates an oral-aural approach stressing conversation, pronunciation, comprehension, reading, writing, and functional grammar.
- MFL 1323 GERMAN II** - MFL 1323 continues MFL 1313 with wider vocabulary and more complex structures and functions.
- MFL 1413 JAPANESE I** - Emphasizes conversational Japanese based on Ramaji text. Includes study of basic grammar and introduction of hiragana and katakana.
- MFL 1423 JAPANESE II** - Beginning Japanese I or equivalent. Emphasizes conversational Japanese based on text in hiragana, katakana, kanji. Includes study of complex grammar and introduction of approximately one hundred kanji.
- MFL 1513 RUSSIAN I** - MFL 1513, an introductory course, incorporates an oral-aural approach stressing

conversation, pronunciation, comprehension, reading, writing and functional grammar.

- MFL 1523 RUSSIAN II** - MFL 1523 continues MFL 1513, with wider vocabulary and more complex structures and functions.
- MFL 2113 FRENCH III** - MFL 2113 continues MFL 1123 with additional materials of literary and cultural value.
- MFL 2123 FRENCH IV** - MFL 1223 continues MFL 2113 with additional literary and cultural readings and compositions as well as a review of essential elements of grammar.
- MFL 2213 SPANISH III** - MFL 2213 continues MFL 1223 with additional materials of literary and cultural value.
- MFL 2223 SPANISH IV** - MFL 2223 continues MFL 2213 with additional literary and cultural readings and compositions as well as a review of essential elements of grammar.
- MFL 2243 SPANISH CONVERSATION I** - MFL 2243, Conversational Spanish I, is an advanced-level course designed to further develop language proficiency.
- MFL 2253 SPANISH CONVERSATION II** - MFL 2253, Conversational Spanish II continues MFL 2243 and is an advanced-level course designed to further develop language proficiency.
- MFL 2313 GERMAN III** - MFL 2313 continues MFL 1323 with additional materials of literary and cultural value.
- MFL 2323 GERMAN IV** - MFL 2323 continues MFL 2313 with additional literary and cultural readings and compositions, as well as review of essential elements of grammar.
- MFL 2513 OCCUPATIONAL SPANISH** - This course is designed to teach basic oral communication skills for interaction in Spanish in an occupational setting.

Specialized variations of this course include: Law Enforcement, Medical and Business.

MFL 2613 FOREIGN LANGUAGE STUDY ABROAD - MFL 2613 is a unique language and culture learning opportunity designed and provided by individual colleges. Location, duration, and requirements may vary by institution.

MUSIC APPLIED

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

MUA 1111, 1121, 2111, 2121 CLASS BRASS I, II, III, & IV - Brass Instruction for music majors. Designed to teach the fundamental principles of playing, explore varied levels of literature and develop the student's knowledge of brass instruction and performance.

MUA 1141, 1151, 2141, 2151 BRASS FOR NON MAJORS (Elective Brass) I, II, III, & IV - Brass instruction for non-brass/music education majors. Designed to teach the fundamental principles of playing, explore moderate levels of literature and develop the student's interest in playing.

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 1173, 1183, 2173, 2183 BRASS FOR MUSIC MAJORS I, II, III, & IV - Brass instruction for performance majors. Designed to teach the fundamental principles of playing, explore advanced levels of literature, develop the student's interest in playing and strengthen the student's playing ability.

MUA 1211, 1221, 2211, 2221 CLASS GUITAR I, II, III, & IV - Instruction for beginning guitar player's that includes basic accompanying styles and an introduction to classical guitar technique.

MUA 1241, 1251, 2241, 2251 GUITAR FOR NON MAJORS (Elective Guitar) I, II, III, & IV - Guitar instruction for music education majors with guitar as a secondary area of emphasis. Introduction to classical guitar technique, literature, and performance of standard literature.

MUA 1272, 1282, 2272, 2282 GUITAR FOR MUSIC EDUCATION MAJORS I, II, III, IV - Guitar instruction for music education majors with guitar as their area of emphasis. Introduction to classical guitar technique, literature and performance of standard literature.

MUA 1331/1341, ORGAN FOR NON MUSIC MAJORS I & II - Private lessons include the fundamental techniques, reading, interpretation, registration, performance. Compositions are selected to suit the individual's background and ability.

MUA 1362/1372 ORGAN FOR MUSIC EDUCATION MAJORS I & II - Private lessons include the fundamental techniques, reading, interpretation, registration, performance, as well as hymns and service-playing. Compositions are selected to suit the individual's background and ability.

MUA 1363/1373 ORGAN FOR MUSIC MAJORS I & II - Private lessons include the fundamental techniques, reading, interpretation, registration and performance, as well as hymns and service-playing. Compositions are selected to suit the individual's background and ability.

MUA 1411,1421,2411,2421 CLASS PERCUSSION I, II, III, & IV - Percussion instruction for music majors. Designed to teach the fundamental principles of playing, explore varied levels of literature and develop the student's knowledge of percussion instruction and performance.

MUA 1441, 1451, 2441, 2451 PERCUSSION FOR NON MAJORS I, II, III, & IV - Percussion instruction for non-percussion/music education majors. Designed to teach the fundamental principles of playing, explore moderate levels of literature and develop the student's interest in playing.

MUA 1472, 1482, 2472, 2482 PERCUSSION FOR MUSIC EDUCATION 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 1473, 1483, 2473, 2483 PERCUSSION FOR MUSIC MAJORS I, II, III, & IV - Percussion instruction for music majors. Designed to teach the fundamental principles of playing, explore advanced levels of literature and develop the student's interest in playing.

MUA 1511, 1521, 2511, 2521 CLASS PIANO I, II, III, & IV - Class study in keyboard training is designed for students who have had no previous piano instruction. Fundamentals are taught through class participation and discussion, including major and minor scales, chord progressions, harmonization of melodies, open score reading, accompanying, transposition and elementary repertoire. This plan may, upon arrangement with the instructor, include individual instruction.

MUA 1541, 1551, 2541, 2551 PIANO FOR NON 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 1542, 1552, 2542, 2552 PIANO FOR VOICE MAJORS I, II, III, IV - Piano instruction for voice majors with piano as a secondary area of emphasis. Introduction to technique, literature, and accompanying.

MUA 1572/1582 PIANO FOR MUSIC EDUCATION MAJORS I & II - Private lessons include fundamental techniques, reading, interpretation and performance. Compositions are selected to suit the individual's background and ability.

MUA 1573, 1583, 2573, 2583 PIANO FOR MUSIC MAJORS I, II, III, & IV - Piano instruction for piano majors with piano with a performance emphasis. Introduction to technique, literature, and performance of standard literature.

MUA 1611, 1621, 2611, 2621 CLASS STRINGS I, II, III, & IV - Group instruction in tone production, bowings, fingerings, and positions for bowed string instruments.

MUA 1641, 1651, 2641, 2651 STRINGS FOR NON MAJORS (Elective Strings) I, II, III, & IV - Bowed string instrument instruction for music majors with strings as a secondary

area of emphasis. Introduction to tuning, tone production, bowings, fingerings, and positions.

MUA 1672, 1682, 2672, 2682 STRINGS FOR MUSIC EDUCATION MAJORS I, II, III, & IV - Bowed string instrument instruction for music majors with strings as their area of emphasis. Introduction to string technique, literature, etudes and performance standard literature.

MUA 1673, 1683, 2673, 2683 STRINGS FOR MUSIC MAJORS I, II, III, & IV - Bowed string instrument instruction for music majors with strings as their area of emphasis. Introduction to string technique, literature, etudes and performance standard literature.

MUA 1711, 1721, 2711, 2721 CLASS VOICE I, II, III, & IV - Class voice is designed to teach the fundamental principles of singing, explore elementary to moderate levels of vocal literature and develop and improve the student's vocal ability in a group setting.

MUA 1741, 1751, 2741, 2751 VOICE FOR NON MAJORS I, II, III, & IV - Voice for non-major/music education majors is designed to teach the fundamental principles of singing, explore moderate levels of vocal literature and develop and improve the student's vocal ability.

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 1773, 1783, 2773, 2783 VOICE FOR MUSIC MAJORS I, II, III, & IV - Voice for performance majors is designed to teach the fundamental principals of singing, explore advanced vocal literature, develop and improve the student's vocal ability and strengthen the singer's performance ability.

MUA 1811, 1821, 2811, 2821 CLASS WOODWINDS I, II, III, & IV - Woodwind instruction for music majors. Designed to teach the fundamental principles of playing, explore varied levels of literature, and develop the student's knowledge of woodwind instruction and performance.

MUA 1841, 1851, 2841, 2851 WOODWINDS FOR NON MAJORS I, II, III, & IV - Woodwind instruction for non-woodwind/music education majors. Designed to teach the fundamental principles of playing, explore moderate levels of literature, and develop the student's interest in playing.

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 1873, 1883, 2873, 2883 WOODWINDS FOR MUSIC MAJORS I, II, III, & IV - Woodwind instruction for performance majors. Designed to teach the fundamental principles of playing, explore advanced levels of literature, develop the student's interest in playing, and strengthen the student's playing ability.

MUA 1972, 1982, 2972, 2982 COMPOSITION FOR MUSIC EDUCATION MAJORS I, II, III, & IV - The continued study of music composition through assigned writing projects and analysis of masterworks.

MUA 2331 ORGAN FOR NON MUSIC MAJORS III - A continuation of MUA 1341 with selections from the masterpieces of baroque, classic, romantic and modern composers as well as continued work on technical, interpretative skills.

MUA 2341 ORGAN FOR NON MUSIC MAJORS IV - A continuation of MUA 2331 with selections from the masterpieces of baroque, classic, romantic and modern composers as well as continued work on technical, interpretative skills.

MUA 2362 ORGAN FOR MUSIC EDUCATION MAJORS III - A continuation of MUA 1372 with selections from the masterpieces of baroque, classical, romantic and modern composers as well as continued work on technical, interpretative skills, and service-playing.

MUA 2363 ORGAN FOR MUSIC MAJORS III - A continuation of MUA 1373 with selections from the masterpieces of baroque, classical, romantic and modern composers as well as continued work on technical, interpretative skills, and service-playing.

MUA 2372 ORGAN FOR MUSIC EDUCATION MAJORS IV - A continuation of MUA 2362 with selections from the masterpieces of baroque, classical, romantic and modern composers as well as continued work on technical, interpretative skills, and service-playing.

MUA 2373 ORGAN FOR MUSIC MAJORS IV - A continuation of MUA 2363 with selections from the masterpieces of baroque, classical, romantic and modern composers as well as continued work on technical, interpretative skills, and service-playing.

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 FOUNDATIONS

(Education, History, Literature, & Theory)

MUS 1113 MUSIC APPRECIATION - Listening course designed to give the student, thorough 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 with basic knowledge of notations, scales, keys, rhythm, intervals, triads, and their inversions.

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

MUS 1213 MUSIC THEORY I - Study of functional harmony through analysis and part writing, sight-singing, and ear training.

- 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** - Lab instruction. Sight-singing, ear training and dictation.
- MUS 1223 MUSIC THEORY II** - Continued study of functional harmony through analysis and part writing, sight-singing, and ear training.
- MUS 1224 MUSIC THEORY II** - Continued study of functional harmony through analysis and part writing, sight-singing, and ear training.
- MUS 1811 MUSIC THEATRE WORKSHOP I** - 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.
- MUS 1821 MUSIC THEATRE WORKSHOP II** - The workshop is designed to introduce the student to all facets of music theatre. One public performance will be given each semester. Open to all students.
- MUS 1911 RECITAL CLASS I** - Required performance of solo and ensemble literature by students majoring in music. Attendance at a prescribed minimum number of departmentally approved musical performances per semester also required.
- MUS 1921 RECITAL CLASS II** - Attendance at a prescribed minimum number of departmentally approved musical performances per semester also required.
- MUS 2211 MUSIC THEORY III, LAB** - Lab instruction. Sight-singing, ear training, and dictation.
- MUS 2213 MUSIC THEORY III** - Continuation study of functional harmony through analysis and part writing, sight-singing, and ear training.
- MUS 2214 MUSIC THEORY III** - Continuation study of functional harmony through analysis and part writing, sight-singing, and ear training.

- MUS 2221 MUSIC THEORY IV, LAB** - Lab instruction. Sight-singing, ear training, and dictation.
- MUS 2223 MUSIC THEORY IV** - Continued study of functional harmony through analysis and part writing, sight-singing, and ear training.
- MUS 2224 MUSIC THEORY IV** - Continued study of functional harmony through analysis and part writing, sight-singing, and ear training.
- MUS 2313 MUSIC HISTORY I** - Study of Western music beginning in ancient Greece and continuing through the Baroque. Study includes early music, middle ages, Renaissance, Baroque and the various aspects of style analysis as exemplified in the works of the major composers of each period.
- MUS 2323 MUSIC HISTORY II** - Study of Western music beginning in ancient Greece and continuing through the Baroque. Study includes early music, middle ages, Renaissance, Baroque and the various aspects of style analysis as exemplified in the works of the major composers of each period.
- MUS 2513 MUSIC FOR ELEMENTARY TEACHERS** - Designed for the needs of the elementary education student. Essentials of public school music; study of the fundamentals of music. Reading music notations and terminology.
- MUS 2811 MUSIC THEATRE WORKSHOP III** - The workshop is designed to introduce the student to all facets of music theatre. One public performance will be given each semester. Open to all students.
- MUS 2821 MUSIC THEATRE WORKSHOP IV** - The workshop is designed to introduce the student to all facets of music theatre. One public performance will be given each semester. Open to all students.
- MUS 2911 RECITAL CLASS III** - Attendance at a prescribed minimum number of departmentally approved musical performances per semester also required.

MUS 2921 RECITAL CLASS IV - Attendance at a prescribed minimum number of departmentally approved musical performances per semester also required.

MUSIC ORGANIZATIONS

(Band, Small Band Groups, Stage Band, Choir, Small Singing Groups)

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 SMALL BAND GROUPS 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 STAGE 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 CHOIR 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 SMALL SINGING GROUPS I, II, III, & IV - A course for select singers focused on performing from one or more genres of music.

MUO 1311, 1321, 2311, 2321 String Orchestra I, II, III, IV - Rehearsal and performance of standard orchestral literature. 1-5 rehearsal hours per week.

MUO 1341, 1351, 2341, 2351 - Jazz Improvisation I, II, III, IV - A continued study of the techniques used in jazz improvisation with performance opportunities.

PARALEGAL

PLG 1113 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 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.

PARKS AND RECREATION

PRM 1113/HPR 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.

PRM 2113/HPR 2113 PARK AND RECREATION PROGRAM LEADERSHIP - Planning and leadership techniques for conduction organized park and recreation programs for all age groups.

PRM 2223/HPR 2223 PROGRAM PLANNING AND DEVELOPMENT - Techniques and processes in program planning, implementation, development and evaluation in recreation settings.

PHILOSOPHY AND BIBLE

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. (Note: Course description change effective Fall 2009)

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. (Note: Course description change effective Fall 2009)

PHI 1153 JESUS AND THE GOSPELS - A study of the life and ministry of Jesus of Nazareth as recorded in the four canonical gospels with specific consideration of the geographical, political, and social conditions of the 1st Century and recognition of various early interpretations of the meaning of the life and person of Jesus. (Note: Course description and title change effective Fall 2009)

PHI 1163 ACTS AND THE EPISTLES - A survey of the work of the apostles as portrayed in the book of Acts and the Epistles. Attention is given to the development of the 1st Century Christian Church and the historical background of the various Epistles. (Note: Course description change effective Fall 2009)

PHI 2113 INTRODUCTION TO PHILOSOPHY I - An introduction to the major themes and history of the discipline of Philosophy with an emphasis on the development of critical thinking skills. (Note: Course description change effective Fall 2009)

PHI 2123 INTRODUCTION TO PHILOSOPHY II - A seminar for advanced students dealing with classic and contemporary problems of personal development from a philosophic perspective. (Note: Course description change effective Fall 2009)

PHI 2143 ETHICS- An introduction to moral philosophy with the investigation of some selected moral problems. (Note: Course description change effective Fall 2009)

PHI 2613 WORLD RELIGIONS I - Examination of the beliefs and development of Buddhism, Christianity, Hinduism, Islam, Judaism, and other religious traditions. (Note: Course description change effective Fall 2009)

PHI 2623 WORLD RELIGIONS II - A continuation of PHI 2613.

PHI 2713 LOGIC - An introduction to the discipline of logic including formal and informal logic, as well as the development of critical thinking skills. (Note: Course description change effective Fall 2009)

PHYSICS

PHY 1111 INTRODUCTION TO ASTRONOMY, Laboratory (1 credit hour) - A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 1113 Introduction to Astronomy, Lecture.

PHY 1113 INTRODUCTION TO ASTRONOMY, Lecture (3 credit hours) - A lecture course that includes surveys of the solar system, our galaxy and the universe.

PHY 1114 INTRODUCTION TO ASTRONOMY (4 credit hours) - 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 1211 SURVEY OF PHYSICS, Laboratory (1 credit hour) - A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 1213 Survey of Physics, Lecture.

PHY 1213 SURVEY OF PHYSICS, Lecture (3 credit hours) - A lecture course covering the concepts of mechanics, sound, light, fluids, and waves. Non-calculus based.

PHY 1214 SURVEY OF PHYSICS (4 credit hours) - A combined lecture and laboratory course covering the concepts of mechanics, sound, light, fluids, and waves. Non-calculus based. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

- PHY 2241 PHYSICAL SCIENCE I, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course that includes studies of measurements and units, electricity, mechanics, heat, sound, light, and astronomy.
- PHY 2244 PHYSICAL SCIENCE I (4 credit hours)** - A combined lecture and laboratory course that includes studies of measurements and units, electricity, mechanics, heat, sound, light, and astronomy. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- PHY 2251 PHYSICAL SCIENCE II, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course that includes studies of chemistry, geology, and meteorology.
- PHY 2254 PHYSICAL SCIENCE II (4 credit hours)**- A combined lecture and laboratory course that includes studies of chemistry, geology and meteorology. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- PHY 2311 PHYSICS I, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2312 Physics I, Lecture.
- PHY 2312 PHYSICS I, Lecture (2 credit hours)**- A lecture course covering mechanics, conservation laws, heat, sound, electricity, magnetism, and waves. This is a calculus-based course primarily for engineering, science, and mathematics majors.

- PHY 2313 PHYSICS I (3 credit hours)** - A combined lecture and laboratory course covering mechanics, conservation laws, heat, sound, electricity, magnetism, and waves. This is a calculus-based course primarily for engineering, science, and mathematics majors. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- PHY 2321 PHYSICS II, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2322 Physics II, Lecture.
- PHY 2322 PHYSICS II, Lecture (2 credit hours)** - A lecture course covering magnetism, electricity, optics, and gravity. This is a calculus-based course primarily for engineering, science, and mathematics majors.
- PHY 2323 PHYSICS II (3 credit hours)** - A combined lecture and laboratory course covering magnetism, electricity, optics, and gravity. This is a calculus-based course primarily for engineering, science, and mathematics majors. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- PHY 2333 PHYSICS III** - A lecture with lab course covering harmonic motion, waves, optics, electronics, relativity, and quantum physics. This course is a continuation of PHY 2323.
- PHY 2331 PHYSICS III, Laboratory (1 credit hour)** - A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2332 Physics III, Lecture.
- PHY 2332 PHYSICS III, Lecture (2 credit hours)** - A lecture course covering harmonic motion, waves, optics, electronics, relativity, and quantum physics. This is a calculus-based course primarily for engineering, science, and mathematics majors.

- PHY 2333 PHYSICS III (3 credit hours)** - A combined lecture and laboratory course covering harmonic motion, waves, optics, electronics, relativity, and quantum physics. This is a calculus-based course primarily for engineering, science, and mathematics majors. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.
- PHY 2411 GENERAL PHYSICS I, Laboratory (1 credit hour)** - 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 (3 credit hours)** - A lecture course covering mechanics, heat, waves, and sound. This is a non-calculus based course primarily for pre-professional majors.
- PHY 2414 GENERAL PHYSICS I (4 credit hours)** - A combined lecture and laboratory course covering mechanics, heat, waves, and sound. 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.
- PHY 2421 GENERAL PHYSICS II, Laboratory (1 credit hour)** - 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 (3 credit hours)** - 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.
- PHY 2424 GENERAL PHYSICS II (4 credit hours)** - A combined lecture and laboratory 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.

PHY 2511 GENERAL PHYSICS I-A, Laboratory (1 credit hour)

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 (3 credit hours)

A lecture course covering mechanics, heat, waves, and sound. This is a calculus-based course primarily for students of engineering, science, or mathematics.

PHY 2514 GENERAL PHYSICS I-A (4 credit hours) -

A combined lecture and laboratory course covering mechanics, heat, waves, and sound. This is a calculus-based course primarily for students of engineering, science, or mathematics. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

PHY 2521 GENERAL PHYSICS II-A, Laboratory (1 credit hour)

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 (3 credit hours) -

A lecture course covering electricity, magnetism, optics, and modern physics. This is a calculus-based course primarily for student of engineering, science, and mathematics.

PHY 2524 GENERAL PHYSICS II-A (4 credit hours) -

A combined lecture and laboratory course covering electricity, magnetism, optics, and modern physics. This is a calculus-based course primarily for students of engineering, science or mathematics. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes.

POLITICAL SCIENCE

- PSC 1113 AMERICAN NATIONAL GOVERNMENT** - Survey of the organizations, political aspects, and basis of national government. (Note: Course description change effective Fall 2009)
- PSC 1123 AMERICAN STATE AND LOCAL GOVERNMENT** - The relationship among states, national and local governments. The organization, function, and operation of the three branches with emphasis on the state of Mississippi. (Note: Course description change effective Fall 2009)
- PSC 2113 COMPARATIVE GOVERNMENT** - A survey of various international governmental systems. (Note: Course description change effective Fall 2009)

POLYMERS

- POS 1112 INTRODUCTION TO POLYMERS** - An introduction to the history, recent developments, applications, and processing of polymers.
- POS 2112 PHYSICAL ASPECTS OF POLYMERS** - An introduction to the properties of major polymers, raw materials, sources and the organization of the polymer industry. This course includes computer modeling and computations.

PSYCHOLOGY

- 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. (Note: Course description and title change effective Fall 2009)
- PSY 1523 GENERAL PSYCHOLOGY II** - 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 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 - 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 0113 COMPREHENSION I - A laboratory course designed to offer special reading instruction to students deficient in reading skills. (Note: Course number change effective Fall 2009)

REA 0123 COMPREHENSION II - A continuation of REA 0113. (Note: Course number change effective Fall 2009)

REA 0133 COMPREHENSION III -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. (Note: Course number change effective Fall 2009)

REA 1213 READING ENHANCEMENT I - 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.

REA 1223 READING ENHANCEMENT II - A continuation of REA 1213.

REA 1233 SPEED READING I - 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.

SOCIAL WORK

SWK 1113 SOCIAL WORK: A HELPING PROFESSION - The course exposes students to a "helping" profession that plays a central role in addressing human needs. Students are exposed to personal/lived experiences of social work clients and successes of "real" social workers in respective practices such as mental health, child welfare, disaster, corrections, faith-based, military, international relief, and industry. (Note: Course code and description change effective Fall 2009)

SOCIOLOGY

SOC 1113 INTRODUCTION TO SOCIAL SCIENCE - This course gives students insights into people's behavior by examining ideas from various social sciences. (Note: Course description change effective Fall 2009)

SOC 1213 COMMUNITY INVOLVEMENT - This is an elective 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 - Economic, political, educational, and racial status of ethnic minorities are examined, including relations between minority and groups are examined. (Note: Course description change effective Fall 2009)

- 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. (Note: Course description change effective Fall 2009)
- SOC 2123 INTRODUCTION TO SOCIOLOGY II** - A continuation of SOC 2113.
- SOC 2133 SOCIAL PROBLEMS** - A study of the nature, scope, and effects of major social problems of today and the theoretical preventive measures to alleviate them. (Note: Course description change effective Fall 2009)
- 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.
- SOC 2153 THE FAMILY** - A study of the family institution, with special emphasis on the contemporary American family.
- SOC 2163** Note: Course code changed to SWK 1113, effective Fall 2009
- SOC 2213 INTRODUCTORY ANTHROPOLOGY** - A survey of major fields and basic principles in the comparative study of mankind.
- SOC 2243 CULTURAL ANTHROPOLOGY**- This course examines Human adaption and cultural diversity. The student will explore techniques employed by the anthropologist. (Note: Course description change effective Fall 2009)

SPEECH AND THEATRE

- SPT 0113 BASIC SPEAKING** - Focuses on basic communication skills, basic communication models, pronunciation and articulation, and dealing with stage fright. 3 credit hours. Will not substitute for the speech requirements in any curriculum. Institutional credit only. (Note: Course number change effective Fall 2009)

- SPT 1113 PUBLIC SPEAKING I** - Study and practice in making speeches for a variety of public forums. Major emphasis is placed on speech preparation and delivery.
- SPT 1123 PUBLIC SPEAKING II** - A continuation in the study of public speaking with emphasis on research, organization and delivery techniques.
- SPT 1131 FORENSICS I** - Forensics in an activity course which includes: public speaking, oral interpretation and debate. Students participate in intercollegiate or community forensic contests and debate tournaments.
- SPT 1141 FORENSICS II** - A continuation of SPT 1131.
- SPT 1153 VOICE, DICTION AND 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.
- SPT 1163 ARGUMENTATION AND DEBATE** - The study and application of basic argumentative techniques; integration of speech techniques through class debates.
- SPT 1213 FUNDAMENTALS OF THEATRE PRODUCTION** - A basic course in the management of theatre arts to provide the student with the general knowledge of the collaborative process of mounting and marketing a theatrical production.
- SPT 1223 MOVEMENT FOR THE ACTOR** - Techniques for stage movement for the actor.
- SPT 1233 ACTING I** - An introduction to the training of the voice, body and imagination as the foundations of the work of an actor through the study of acting theory, vocabulary, theatrical games, mime, monologue, and scene work.

- SPT 1241 DRAMA PRODUCTION I** - Participation in college drama productions. Required for theater majors.
- SPT 1251 DRAMA PRODUCTION II** - Participation in college drama. Required for theater majors.
- SPT 1273 THEATRICAL MAKEUP** - Techniques in the application of makeup for the stage.
- SPT 2111 FORENSICS III** - A continuation of SPT 1141.
- SPT 2121 FORENSICS IV** - A continuation of SPT 2111.
- SPT 2143 ORAL INTERPRETATION** - Training is given in the techniques of oral interpretative presentation, its theories and practices.
- SPT 2173 INTERPERSONAL COMMUNICATION** - Theory and Analysis of two-person relationships (one-on-one interactions). The course explores topics such as perception, listening, conflict management, relationship building and maintenance, and relational power.
- SPT 2223 STAGECRAFT** - An introduction to all technical elements of production design and operation. Concurrent enrollment in Drama Production (SPT 1241, 1251, 2241, or 2251 is required).
- SPT 2233 THEATRE APPRECIATION** - An introduction of the cultural, historical and social aspects of drama. Class content provides an appreciation of theatre and performance art to develop audience standards through demonstration of the unique characteristics of theatre. A fine arts elective.
- SPT 2241 DRAMA PRODUCTION III** - Participation in college drama. Required for theater majors.
- SPT 2251 DRAMA PRODUCTION IV** - Participation in college drama. Required for theater majors.
- SPT 2263 DIRECTING** - The student will learn the fundamentals of directing such as script analysis, conceptualization, staging scheduling and communication.

SPT 2283 ACTING II - Continued training in the techniques of role preparation and character development through concentrated monologue and scene work.