

and review of selective content, specific to the practice of practical nursing.

NUR 200 NURSING CAREER MOBILITY ASSESSMENT (3T, 9S)

6 credits

This course is designed to provide LPN mobility students self-directed opportunities to prepare for placement into the third semester of the ADN program. Emphasis is on assessment and validation of selected theory, process, and skills covered in NUR 102, 103, 104, 105, and 106. Upon successful completion of assessments, students are eligible for entry into NUR 201. Students who successfully complete this course are awarded 15 non-traditional hours at the completion of the LPN mobility curriculum.

NUR 201 NURSING THROUGH THE LIFESPAN (3T, 6C)

5 credits

PREREQUISITE: As required by program

This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students manage and provide collaborative care to clients who are experiencing selected alterations in gastrointestinal, reproductive, sensory, and endocrine systems in a variety of settings. Additional instruction is provided for oncology, mental health, teaching/learning concepts, and advanced dosage calculations, nutrition, pharmacology, communication, cultural, and community concepts are integrated.

NUR 202 NURSING THROUGH THE LIFESPAN II (3T, 9C)

6 credits

PREREQUISITE: As required by program

This course builds upon previous instruction and provides additional opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students manage and provide collaborative care to clients who are experiencing selected alterations in cardiovascular, hematologic, immune, and genitourinary systems in a variety of settings. Additional instruction is provided for psychiatric disorders and high-risk obstetrics. Teaching/learning concepts, advanced dosage calculations, nutrition, pharmacology, communication, cultural, and community concepts are integrated.

NUR 203 NURSING THROUGH THE LIFESPAN III (4T, 6C)

6 credits

PREREQUISITE: As required by program

This course builds upon previous instruction and provides additional opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students manage and provide collaborative care to clients who are experiencing selected alterations in cardiovascular, respiratory, and neurological systems in a variety of settings. Additional instruction is provided in care for selected mental health disorders, selected emergencies, multiple organ dysfunction syndrome and related disorders. Teaching/learning concepts, advanced dosage calculations, nutrition, pharmacology, communication, cultural, and community concepts are integrated.

NUR 204 ROLE TRANSITION FOR THE REGISTERED NURSE (2T, 6C)

4 credits

PREREQUISITE: As required by program

This course provides students with opportunities to gain knowledge and skills necessary to transition from student to registered nurse. Content includes current issues in health care, nursing leadership and management, professional practice issues for registered nurses, and transition into the workplace. Additional instruction is provided for preparing for the NCLEX-RN.

ORIENTATION (ORI)

ORI 101 ORIENTATION TO COLLEGE (1)

1 credit

This course aids new students in their transition to the institution; exposes new students to the broad educational opportunities of the institution; and integrates new students into the life of the institution.

ORI 103 ORIENTATION (STUDY SKILLS) (2T)

2 credits

This course helps students develop practical knowledge and skills toward a successful college experience, both academically and personally. Topics include time management, reading, memory, notes, tests, diversity, thinking, writing, relationships, health, and career planning.

PHYSICAL EDUCATION (PED)

PED 100 FUNDAMENTALS OF FITNESS (3T)

3 credits

This lecture course includes the basic principles of physical education and physical fitness. It explores psychological and physiological effects of exercise and physical fitness, including effects on the human skeleton, muscle development, respiration and coordination. It is reviewed as an introduction to such laboratory courses as slimnastics, weight training, and conditioning. This course may also include fitness evaluation, development of individual fitness programs, and participation in fitness activities.

PED 101 SLIMNASTICS (Beginning) (2A)

1 credit

This course provides an individualized approach to physical fitness, wellness, and other health-related factors. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness programs. Upon completion, students should be able to set up and implement an individualized physical fitness program.

PED 102 SLIMNASTICS (Intermediate) (2A)

1 credit

This course is an intermediate-level class. Topics include specific exercises contributing to fitness and the role exercise plays in developing body systems, nutrition, and weight control. Upon completion, students should be able to implement and evaluate an individualized physical fitness program. This is an individual and dual sport activity.

PED 103 WEIGHT TRAINING (Beginning) (2A)

1 credit

This course introduces the basics of weight training.

Course Descriptions

Emphasis is placed on developing muscular strength, muscular endurance, and muscle tone. Upon completion, students should be able to establish and implement a personal weight-training program. This is an individual and dual sport activity.

PED 104 WEIGHT TRAINING (Intermediate) (2A)

1 credit

This course covers advanced levels of weight training. Emphasis is placed on meeting individual training goals and addressing weight training needs and interests. Upon completion, students should be able to establish and implement an individualized advanced weight-training program. This is an individual and dual sport activity.

PED 105 PERSONAL FITNESS (2A)

1 credit

This course is designed to provide the student with information allowing him/her to participate in a personally developed fitness program. Topics include cardiovascular, strength, muscular endurance, flexibility and body composition.

PED 106 AEROBICS (2A)

1 credit

This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility and on safety precautions. Upon completion, students should be able to select and implement a rhythmic aerobic exercise program.

PED 107 AEROBICS DANCE (Beginning) (2A)

1 credit

PREREQUISITE: PED 106 or Permission of instructor
This course introduces the fundamentals of step and dance aerobics. Emphasis is placed on basic stepping up, basic choreographed dance patterns, cardiovascular fitness, and upper body, floor, and abdominal exercises. Upon completion, students should be able to participate in basic dance aerobics. This is a rhythmic activity.

PED 108 AEROBICS DANCE (INTERMEDIATE) (2A)

1 credit

PREREQUISITE: PED 107 or Permission of instructor
This course provides a continuation of step aerobics. Emphasis is placed on a wide variety of choreographed step and dance patterns; cardiovascular fitness; and upper body, abdominal, and floor exercises. Upon completion, students should be able to participate in and design an aerobics routine. This is a rhythmic activity.

PED 109 JOGGING (2A)

1 credit

This course covers the basic concepts involved in safely and effectively improving cardiovascular fitness. Emphasis is placed on walking, jogging, or running as a means of achieving fitness. Upon completion, students should be able to understand and appreciate the benefits derived from these activities.

PED 118 GENERAL CONDITIONING (Beginning) (2A)

1 credit

This course provides an individualized approach to general conditioning utilizing the five major components. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness and conditioning programs. Upon completion, students should be able to set up and implement an individualized physical fitness and conditioning program.

PED 119 GENERAL CONDITIONING

(Intermediate) (2A)

1 credit

PREREQUISITE: PED 118 or Permission of instructor

This course is an intermediate-level fitness and conditioning program class. Topics include specific exercises contributing to fitness and the role exercise plays in developing body systems. Upon completion, students should be able to implement and evaluate an individualized physical fitness and conditioning program.

PED 120 TECHNIQUES OF DUAL AND INDIVIDUAL SPORTS (2T)

2 credits

This course introduces the fundamentals of popular dual and individual sports. Emphasis is placed on rules, equipment, and motor skills used in various sports. Upon completion, students should be able to demonstrate knowledge of the sports covered. This is an individual and dual sport activity.

PED 121 BOWLING (Beginning) (2A)

1 credit

This course introduces the fundamentals of bowling. Emphasis is placed on ball selection, grips, stance, and delivery along with rules and etiquette. Upon completion, students should be able to participate in recreational bowling. This is an individual and dual sport activity.

PED 122 BOWLING (Intermediate) (2A)

1 credit

PREREQUISITE: PED 121 or Permission of instructor

This course covers more advanced bowling techniques. Emphasis is placed on refining basic skills and performing advanced shots, spins, pace, and strategy. Upon completion, students should be able to participate in competitive bowling. This is an individual and dual sport activity.

PED 123 GOLF (Beginning) (2A)

1 credit

This course emphasizes the fundamentals of golf. Topics include the proper grips, stance, alignment, swings for the short and long game, putting, and the rules and etiquette of golf. Upon completion students should be able to perform the basic golf shots and demonstrate a knowledge of the rules and etiquette of golf. This is an individual and dual sport activity.

PED 124 GOLF (Intermediate) (2A)

1 credit

PREREQUISITE: PED 123 or Permission of instructor

This course covers the more advanced phases of golf. Emphasis is placed on refining the fundamental skills and learning more advanced phases of the game such as a club selection, trouble shots, and course management. Upon completion, students should be able to demonstrate the knowledge and ability to play a recreational round of golf. This is an individual and dual sport activity.

PED 126 RECREATIONAL GAMES (2A)

1 credit

This course is designed to give an overview of a variety of recreational games and activities. Emphasis is placed on the skills and rules necessary to participate in a variety of lifetime recreational games. Upon completion, students should be able to demonstrate an awareness of the importance of participating in lifetime recreational activities. This is a rhythm activity.

PED 127 ARCHERY (2A)

1 credit

This course introduces basic archery safety and skills.

Topics include proper techniques of stance, bracing, drawing, and releasing as well as terminology and scoring. Upon completion, students should be able to participate safely in target archery. This is an individual and dual sport activity.

PED 131 BADMINTON (Beginning) (2A) 1 credit

This course covers the fundamentals of badminton. Emphasis is placed on the basics of serving, clears, drops, drives, smashes and the rules and strategies of singles and doubles. Upon completion, students should be able to apply these skills in playing situations. This is an individual and dual sport activity.

PED 133 TENNIS (Beginning) (2A) 1 credit

This course emphasizes the fundamentals of tennis. Topics include basic strokes, rules, etiquette, and court play. Upon completion, students should be able to play recreational tennis. This is an individual and dual sport activity.

PED 134 TENNIS (Intermediate) (2A) 1 credit

PREREQUISITE: PED 133 or Permission of instructor
This course emphasizes the refinement of playing skills. Topics include the development of fundamentals, learning advanced serves, strokes and pace and strategies in singles and doubles play. Upon completion, students should be able to play competitive tennis. This is an individual and dual sport activity.

PED 140 SWIMMING (BEGINNING) (2A) 1 credit

This course is designed for non-swimmers and beginners. Emphasis is placed on developing confidence in the water, learning water safety, acquiring skills in floating, and learning elementary strokes. Upon completion, students should be able to demonstrate safety skills and be able to tread water, back float, and use the crawl stroke for 20 yards.

PED 141 SWIMMING (INTERMEDIATE) (2A) 1 credit

PREREQUISITE: PED 140 or Permission of instructor
This course is designed for those who have mastered basic swimming skills. Emphasis is placed on refining basic skills and learning new swim strokes. Upon completion, students should be able to demonstrate the four basic strokes, the scissor kick, the underwater swim, and other related skills.

PED 142 SWIMMING (ADVANCED) (2A) 1 credit

PREREQUISITE: PED 141 or Permission of instructor
This course introduces lap swimming, aquasizes, water activities, and games. Emphasis is placed on increasing cardiovascular efficiency through aquatic exercise. Upon completion, students should be able to develop an individualized aquatic fitness program.

PED 143 AQUATIC EXERCISE (2A) 1 credit

This course introduces rhythmic aerobic activities and aquatic exercises performed in water. Emphasis is placed on increasing cardiovascular fitness levels, muscular strength, muscular endurance, and flexibility. Upon completion, students should be able to participate in an individually paced exercise program.

PED 150 TAI CHI (2A) 1 credit

Tai Chi is an ancient martial art form through which the student will improve flexibility, balance, strength, and mental discipline. By learning the slow and elaborate movements of Tai Chi, the student will develop proper breathing and relaxation techniques and enhance joint flexibility. Tai Chi skills are a combination of stretching, isometrics, and isotonic movements in combination with diaphragmatic breathing and postural maintenance.

PED 151 JUDO (BEGINNING) (2A) 1 credit

This course introduces the basic discipline of judo. Topics include proper breathing, relaxation techniques, and correct body positions. Upon completion, students should be able to demonstrate the procedures of judo.

PED 153 KARATE (BEGINNING) (2A) 1 credit

This course introduces the martial arts using the Japanese Shotokan form. Topics include proper conditioning exercise, book control, proper terminology, historical foundations, and etiquette relative to karate. Upon completion, students should be able to perform line drill techniques and Kata for various ranks.

PED 155 SELF-DEFENSE (2A) 1 credit

This course is designed to aid students in developing rudimentary skills in self-defense. Emphasis is placed on stances, blocks, punches, and kicks as well as non-physical means of self-defense. Upon completion, students should be able to demonstrate basic self-defense techniques of a physical and non-physical nature.

PED 160 SOCIAL DANCE (2A) 1 credit

This course introduces the fundamentals of popular social dance. Emphasis is placed on basic social dance techniques, dances, and a brief history of social dance. Upon completion, students should be able to demonstrate specific dance skills and perform some dances. This is a rhythmic activity.

PED 163 SQUARE DANCING (2A) 1 credit

This course introduces the terminology and skills necessary to perform square dancing. Topics include working from squared sets-squared circles to squared throughs, right and left throughs, and Dixie Chains. Upon completion, students should be able to perform square dance routines and recognize the calls made for all formations. This is a rhythmic activity.

PED 171 BASKETBALL (Beginning) (2A) 1 credit

This course covers the fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in recreational basketball. This is a team sport activity.

PED 172 BASKETBALL (2A) 1 credit

PREREQUISITE: PED 171 or Permission of instructor
This course covers more advanced basketball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to play basketball at a competitive level. This is a team sport activity.

Course Descriptions

COURSE DESCRIPTIONS

- PED 176 VOLLEYBALL (Beginning) (2A)** **1 credit**
This course covers the fundamentals of volleyball. Emphasis is placed on the basics of serving, passing, setting, spiking, blocking, and the rules and etiquette of volleyball. Upon completion, students should be able to participate in recreational volleyball. This is a team sport activity.
- PED 177 VOLLEYBALL (Intermediate) (2A)** **1 credit**
PREREQUISITE: PED 176 or Permission of instructor
This course covers more advanced volleyball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive volleyball. This is a team sport activity.
- PED 181 BASEBALL (Beginning) (2A)** **1 credit**
This course covers the fundamentals of baseball. Emphasis is placed on skill development, knowledge of the rules and basic game strategy. Upon completion, students should be able to participate in recreational baseball. This is a team sport activity.
- PED 182 BASEBALL (Intermediate) (2A)** **1 credit**
This course covers more advanced baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. This is a team sport activity.
- PED 186 SOFTBALL (Beginning) (2A)** **1 credit**
This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, students should be able to participate in recreational softball. This is a team sport activity.
- PED 187 SOFTBALL (Intermediate) (2A)** **1 credit**
This course presents advanced skills and competitive practice in softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, students should be able to participate in competitive softball. This is a team sport activity.
- PED 188 YOGA (2A)** **1 credit**
This course introduces basic instruction in yoga for beginners. Emphasis is placed on instruction in gentle stretching, breathing practices, progressive deep relaxation, and posture. Upon completion, students should be able to participate in and appreciate the benefits of the activity. This is a rhythm activity.
- PED 191 TEAM SPORTS (2A)** **1 credit**
This course covers the basic concepts involved in team sport competition. Emphasis will be placed on refining basic skills, rules and regulations, officiating, and team play. Upon completion, students should be able to participate and implement an intramural program. This is a team sport activity.
- PED 200 FOUNDATIONS OF PHYSICAL EDUCATION (3T)** **3 credits**
In this course, the history, philosophy, and objectives of health, physical education, and recreation are studied with emphasis on the physiological, sociological, and psychological values of physical education. It is required of all physical education majors.
- PED 216 SPORTS OFFICIATING (3T)** **3 credits**
This course surveys the basic rules and mechanics of officiating a variety of sports, including both team and individual sports. In addition to classwork, students will receive at least 3 hours of practical experience in officiating.
- PED 226 HIKING (2A)** **1 credit**
This course provides instruction on how to equip and care for one's self on the trail. Topics include clothing, hygiene, trail ethics, and necessary equipment. Upon completion, students should be able to successfully participate in nature trail hikes.
- PED 227 ANGLING (2A)** **1 credit**
This course introduces the sport of angling. Emphasis is placed on fishing with the use of artificial lures. Upon completion, students should be able to cast and retrieve using baitcaster and spinning reels and identify the various types of artificial lures. This is an individual and dual sport activity.
- PED 236 CANOEING (2A)** **1 credit**
This course provides basic instruction for the beginning canoeist. Emphasis is placed on safe and correct handling of the canoe and rescue skills. Upon completion, students should be able to demonstrate basic canoeing, safe-handling, and self-rescue skills.
- PED 245 CYCLING (2A)** **1 credit**
This course is designed to promote physical fitness through cycling. Emphasis is placed on selection and maintenance of the bicycle gear shifting, pedaling techniques, safety procedures, and conditioning exercises necessary for cycling. Upon completion, students should be able to demonstrate safe handling of a bicycle for recreational use. This is an individual and dual sport activity.
- PED 246 CAMPING (2A)** **1 credit**
This course is designed to acquaint the beginning camper with outdoor skills. Topics include camping techniques such as cooking and preserving food, safety, and setting up camp. Upon completion, students should be able to set up camp sites in field experiences using proper procedures. This is an individual and dual sport activity.
- PED 251 VARSITY BASKETBALL (2A)** **1 credit**
PREREQUISITE: Permission of instructor
This course covers advanced fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules and basic game strategy. Upon completion, students should be able to participate in competitive basketball. This is a team sport activity.
- PED 252 VARSITY BASEBALL (2A)** **1 credit**
PREREQUISITE: Permission of instructor
This course covers advanced baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion,

students should be able to play baseball at a competitive level. This is a team sport activity.

recording equipment, projected images and multimedia hardware and software is included. Students will produce finished multimedia pieces.

PED 254 VARSITY SOFTBALL (2A) **1 credit**
PREREQUISITE: Permission of instructor
This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, students should be able to play competitive softball. This is a team sport activity.

PFC 187 PHOTOGRAPHY, FILM, AND MEDIA I (1T, 2E) **2 credits**
PREREQUISITE: ART 173 or PFC 177 or Permission of instructor
This course is designed to help the student explore creative approaches to photography, film, and related media. Problems in darkroom techniques, laboratory techniques, and special effects are included. Upon completion, the student should be able to apply these techniques to professional quality finished pieces.

PED 257 VARSITY CHEERLEADING (2A) **1 credit**
PREREQUISITE: Permission of instructor
This course covers advanced co-ed cheerleading techniques. Emphasis is placed on refining skills and improving all areas related to co-ed cheerleading including: knowledge of safety techniques, partner stunts, tumbling, basket tosses, pyramids, motions, physical conditioning, and mental preparation. Upon completion of this program, Students should be able to participate in a competitive program at the university level. This is a team sport activity.

PFC 188 PHOTOGRAPHY, FILM, AND MEDIA II (1T, 2E) **2 credits**
PREREQUISITE: PFC 187 or Permission of instructor
This course is designed to help the student explore creative approaches to photography, film, and related media in greater depth. Problems in darkroom techniques, laboratory techniques, and special effects are included. Upon completion, the student should be able to apply these techniques to professional quality finished pieces.

PHOTOGRAPHY AND FILM (PFC)

Also see ART

PFC 173 PHOTOGRAPHY I (2T, 2E) **3 credits**
This course is an introduction to photography. Emphasis is placed on aesthetic as well as technical aspects of photography. Upon completion, students will be able to produce well composed photographs.

PFC 258 PHOTOGRAPHIC AND MEDIA PROBLEMS (1T, 2E) **2 credits**
This course deals with special problems in the student's area of interest. Emphasis is placed on design, technique and results. Upon completion, the student will be able to produce professional quality photographs in one particular area of photography.

PFC 174 PHOTOGRAPHY II (2T, 2E) **3 credits**
PREREQUISITE: Permission of instructor
This is a sequence to Photography I and serves as an introductory photography course. Emphasis is placed on aesthetic as well as technical aspects of photography. Upon completion, the student will be able to produce well composed photographs.

PFC 273 STUDIO PHOTOGRAPHY I (2T, 2E) **3 credits**
This course stresses image-making problems requiring studio or other controlled environment solutions. Lights, props, and related equipment and techniques are utilized. The student will produce quality photographs using studio techniques.

PFC 176 FILMMAKING (6E) **3 credits**
This course provides a knowledge of the basics of filmmaking. Emphasis is placed on procedure, equipment, editing and sound. Upon completion, students should demonstrate a basic knowledge of filmmaking through critical analysis and film projects.

PFC 274 STUDIO PHOTOGRAPHY II (2T, 2E) **3 credits**
PREREQUISITE: PFC 273 or Permission of instructor
This course deals with advanced problems requiring studio or other controlled environment solutions. Lights, props, and related equipment and techniques are utilized. The student will produce quality photographs using studio techniques.

PFC 177 COLOR PHOTOGRAPHY (2T, 2E) **3 credits**
PREREQUISITE: ART 173 or ART 176 or Permission of instructor
This course covers the primary materials and processes of color photography. Emphasis is placed on the correct exposure, processing, creative color usage, and printing of both positive/negative color materials through exploration of films, filters, processes, and color temperature. Upon completion, students should be able to correctly execute the technical controls of color materials and explore the creative possibilities of color photography.

PFC 276 FILMMAKING II (2T, 2E) **3 credits**
PREREQUISITE: PFC 176 or Permission of instructor
This course is a continuation of the study of film production. Emphasis is on various aspects of filmmaking which may include design, special effects, digital and linear production techniques, and machine control. Upon completion, students should have hands-on experience and an understanding of professional filmmaking.

PFC 178 AUDIO-VISUAL TECHNIQUES (1T, 2E) **2 credits**
This course is an exploration of the area of linkage between the visual and auditory senses. Work with sound and

PFC 277 FILMMAKING III (2T, 2E) **3 credits**
PREREQUISITE: PFC 276 or Permission of instructor
This course is a continuation of the study of film production. Emphasis is on various aspects of filmmaking which may include design, special effects, digital and linear production techniques, and machine control. Upon comple-

Course Descriptions

tion, students should have hands-on experience and an understanding of professional filmmaking.

students who do not intend to major in science or engineering. Laboratory is required.

PHILOSOPHY (PHL)

PHL 106 INTRODUCTION TO PHILOSOPHY (3T) 3 credits

This course is an introduction to the basic concepts of philosophy. The literary and conceptual approach of the course is balanced with emphasis on approaches to ethical decision making. The student should have an understanding of major philosophical ideas in an historical survey from the early Greeks to the modern era.

PHL 116 LOGIC (3T) 3 credits

This course is designed to help students assess information and arguments. The focus of the course is on logic and reasoning. The student should be able to understand how inferences are drawn, be able to recognize ambiguities and logical and illogical reasoning.

PHL 206 ETHICS AND SOCIETY (3T) 3 credits

This course involves the study of ethical issues which confront individuals in the course of their daily lives. The focus is on the fundamental questions of right and wrong, of human rights, and of conflicting obligations. The student should be able to understand and be prepared to make decisions in life regarding ethical issues.

PHL 210 ETHICS AND THE HEALTH SCIENCES (3T) 3 credits

This course is a study of ethical issues related to the health sciences such as contraception, abortion, and eugenics; human experimentation; truth in drugs and medicine; death and dying; and other health-related issues. The student should be able to clarify relevant ethical considerations and have a philosophical basis for decisions on right and wrong, good and bad, rights and responsibilities.

PHYSICAL GEOGRAPHY (GEO)

(Courses qualify as Natural Science electives)

GEO 101 PRINCIPLES OF PHYSICAL GEOGRAPHY I (3T, 2E) 4 credits

Physical Geography I is the first in a two-part sequence including topics such as weather and climate relative to the earth and relationships between the earth and sun. Laboratory is required.

GEO 102 PRINCIPLES OF PHYSICAL GEOGRAPHY II (3T, 2E) 4 credits

Physical Geography II is the second in a two-part sequence including topics such as landforms, landscapes, soil and vegetation of the earth. Laboratory is required.

PHYSICAL SCIENCE (PHS)

PHS 111 PHYSICAL SCIENCE (3T, 2E) 4 credits

This course provides an introduction to the basic principles of geology, oceanography, meteorology, and astronomy for

PHS 112 PHYSICAL SCIENCE II (3T, 2E) 4 credits PREREQUISITE: MTH 098 Elementary Algebra

This course provides an introduction to the principles of chemistry and physics for students who do not intend to major in science or engineering. Laboratory is required.

PHS 120 ENVIRONMENTAL SCIENCE (3T, 2E) 4 credits

PHS 120 is an interdisciplinary course intended for non-science majors who desire an introduction to environmental science. The environment will be studied with an emphasis on such topics as air, soil, water, wildlife, forestry, and solid waste pollution. Laboratory will include both field studies and experimentation.

PHS 121 APPLIED PHYSICAL SCIENCE I (3T, 2E) 4 credits

PREREQUISITE: As required by program
(Course taught in Spring Semester of odd numbered years only)

This course introduces the general principles of physics and chemistry. Topics include measurement, motion, Newton's laws of motion, momentum, energy, work, power, heat, thermodynamics, waves, sound, light, electricity, magnetism, and chemical principles. Upon completion, students should be able to demonstrate an understanding of the physical environment and be able to apply the scientific principles to observations experienced. Laboratory is required.

PHS 230 INTRODUCTION TO METEOROLOGY (3T, 2E) 4 credits

This course is an introductory survey of meteorology emphasizing the hydrologic cycle, cloud formation, weather maps, forecasting, and wind systems. Local weather systems will be given detailed study. Laboratory is required.

PHYSICAL THERAPY

PTA 100 INTRODUCTION TO PHYSICAL THERAPY 2(T) 2 credits

This course is an introduction to the field of physical therapy as a career choice. Emphasis is on the role of the PT and PTA, educational requirements, scope of practice and subspecialty areas such as pediatrics, geriatrics, and sports. Upon completion of the course, the student should have a general understanding of the role of physical therapy in the health care environment.

PTA 180 MEDICAL TERMINOLOGY (1T) 1 credit

This course is an introduction to the language of medicine with emphasis on its use in physical therapy. Emphasis is on terminology of anatomical systems, root forms, prefixes and suffixes, surgery, symptomatology, psychiatric terms, pharmaceutical terms, anesthetic terms, and abbreviation. Upon completion, the student should be able to recognize this terminology as it is used in physical therapy.

- PTA 200 PHYSICAL THERAPY ISSUES AND TRENDS (2T) 2 credits**
This is an introductory course to the trends and issues in physical therapy. Emphasis is placed on areas such as history, practice issues, psychosocial aspects of illness and cultural diversity. Upon completion, the student should be able to discuss trends and issues relevant to physical therapy.
- PTA 201 PHYSICAL THERAPY ASSISTANT SEMINAR (2T) 2 credits**
PREREQUISITE: PTA 200
This course is a continuing study of issues and trends in physical therapy practice. Emphasis is placed on issues such as licensure, job skills, board exam review, practitioner roles, legal and ethical issues. Upon completion, the student should have acquired necessary skills for transition from student to practitioner.
- PTA 202 PTA COMMUNICATION SKILLS (2T) 2 credits**
This course is the study of verbal and nonverbal communication and documentation in health care. Emphasis will be placed on terminology, format, computer usage, reimbursement, interpersonal communication, and legal issues. Upon completion, student should be able to discuss and demonstrate communication methods for achieving effective interaction with patients, families, the public and other health care providers.
- PTA 204 PTA FORUM I (1T) 1 credit**
This course consists of independent visits to relevant clinical and related sites and activities. Students observe and assist with sports and recreational activities and visit specialized clinical sites. By the end of the course, the student should have broad exposure to activities in which physically challenged persons participate and specialized clinical areas.
- PTA 205 PTA FORUM II (1T) 1 credit**
This course consists of independent visits to relevant clinical and related sites and activities. Students observe and assist with sports and recreational activities and visit specialized clinical sites. By the end of the course, the student should have broad exposure to activities in which physically challenged persons participate and specialized clinical areas.
- PTA 210 INTRODUCTION TO PHYSICAL THERAPY CLINIC (5P5) 1 credit**
This clinical course is designed to introduce the student to the practice of physical therapy in the clinical setting. Emphasis is on student observation of techniques in the clinic that have been taught in the classroom and will entail on-going communication between the clinical instructor, student and course coordinator. Upon completion of the course, the student should be able to demonstrate practical application of basic physical therapy assistant skills.
- PTA 215 INTRODUCTION TO BASIC PATIENT CARE (2T) 2 credits**
This course is designed to introduce the student to basic patient care techniques as they relate to the practice of

physical therapy. Emphasis is on vital signs, body mechanics, gait and transfer techniques, and draping and positioning used in basic treatment procedures. Upon completion of the course, the student should be able to discuss proper methods of performing the above techniques.

- PTA 220 FUNCTIONAL ANATOMY AND KINESIOLOGY (3T) 3 credits**
This course provides an in-depth, clinically oriented study of functional anatomy. Emphasis is placed on the musculoskeletal system, nervous system, and study of human movement. Upon completion of the course, the student should be able to identify specific anatomical structures and analyze human movements.
- PTA 221 KINESIOLOGY LAB (3S) 1 credit**
This laboratory course allows for a hands on appreciation of functional anatomy and kinesiology. Emphasis may include muscle and joint function, ROM/strength testing, palpation skills and exercise concepts. Upon completion, the student should be able to integrate content areas into an understanding of normal gait posture and movement patterns.
- PTA 222 FUNCTIONAL ANATOMY AND KINESIOLOGY LAB (6S) 2 credits**
This laboratory course allows for a hands on appreciation of anatomical structures and kinesiological concepts as they relate to therapeutic exercise. Emphasis may include muscle and joint function, testing applications and therapeutic exercise. Upon completion, the student should be able to integrate content areas into an understanding of normal human movement.
- PTA 230 NEUROSCIENCE (2T) 2 credits**
This course provides students with an overview of the neuroanatomy of the CNS and PNS, as it relates to treatment necessary for patients with dysfunctions of these systems. Emphasis includes the structure and function of the nervous system, neurophysiological concepts, human growth and development, neurologic dysfunctions. Upon completion of this course, the student should be able to identify and discuss specific anatomical structures, functions of the nervous system, basic concepts of human growth and development and identify neurologic pathologies.
- PTA 231 REHABILITATION TECHNIQUES (6S) 2 credits**
This course allows for hands on appreciation of advanced rehabilitation techniques. Emphasis is on orthopedic and neurologic treatment techniques, therapeutic exercise procedures and analysis and treatment of pathologic gait. Upon completion, the student should be able to demonstrate an understanding of advanced rehabilitation techniques appropriate to orthopedic and neurologic dysfunctions.
- PTA 232 ORTHOPEDICS FOR THE PTA (2T) 2 credits**
This course provides the student with an overview of orthopedic conditions seen in physical therapy. Emphasis is on the study of orthopedic conditions and appropriate physical therapy intervention and a review of related anatomical structures. Upon completion of the course, the student should be able to discuss PT interventions for common orthopedic conditions.

Course Descriptions

- PTA 240 PHYSICAL DISABILITIES I (2T)** **2 credits**
This course presents the student with a body systems approach to the etiology, pathology, signs/symptoms and treatment of conditions seen in PT. Emphasis may include conditions most commonly treated in physical therapy. Upon completion, the student should be able to discuss basic pathological processes, treatment options and prognoses of conditions studied.
- PTA 241 PHYSICAL DISABILITIES II (2T)** **2 credits**
PREREQUISITE: PTA 240
This course continues a body systems approach to study of common PT pathologies. Emphasis includes various neurological pathologies with additional focus on the needs of special populations. Upon completion, the student should be able to discuss PT interventions appropriate to a variety of diagnoses.
- PTA 250 THERAPEUTIC PROCEDURES I (2T, 6S)** **4 credits**
This laboratory course provides a hands on introduction to the principles and procedures of therapeutic physical therapy intervention. Emphasis is on basic patient care skills and procedures utilized in physical therapy. Upon completion, the student should be able to demonstrate safe and effective delivery of those procedures with an in-depth understanding of the rationale for each treatment.
- PTA 251 THERAPEUTIC PROCEDURES II (2T, 6S)** **4 credits**
PREREQUISITE: PTA 250
This laboratory course is a continued study of the principles and procedures of therapeutic PT intervention. Emphasis is on advanced physical therapy interventions and procedures and their rationale. Upon completion, the student should be able to demonstrate safe and effective delivery with an in-depth understanding of each.
- PTA 252 PHYSICAL AGENTS AND THERAPEUTIC MODALITIES (2T)** **2 credits**
This course provides the student with the theoretical basis for the use of physical agents such as heat, cold, electricity, light, water and therapeutic modalities utilized in physical therapy. Emphasis is placed on modalities such as hydrotherapy, various forms of electrical stimulation, ultrasound, traction and diathermy. Upon completion of the course, the student will understand the physiological effects, indications and contraindication, advantage and disadvantage of utilizing these modalities in physical therapy.
- PTA 253 THERAPEUTIC PROCEDURES III (2T, 6S)** **4 credits**
PREREQUISITE: PTA 250 AND PTA 251
This laboratory course is a continued study of the principles and procedures of therapeutic PT intervention. Emphasis is on specialized physical therapy interventions and procedures and their rationale. Upon completion, the student should be able to demonstrate safe and effective delivery with an in-depth understanding of each.
- PTA 260 CLINICAL EDUCATION I (5P5)** **1 credit**
This clinical experience is designed to introduce the student to the practice of physical therapy through interaction in the health care environment. The course entails on-going communication between the clinical instructor, student and course coordinator. Upon completion of the course, the student should be able to safely and effectively apply procedures and techniques previously attained in the classroom.
- PTA 261 CLINICAL EDUCATION II (5P5)** **1 credit**
PREREQUISITE: PTA 260
This clinical class is a continuation of PTA 260 which is designed to introduce the student to the practice of physical therapy through interaction in the health care environment. The course entails on-going communication between the clinical instructor, student, and course coordinator. The student will safely and effectively apply procedures and techniques previously attained in the classroom.
- PTA 263 CLINICAL AFFILIATION I (15P5)** **3 credits**
This clinical class will provide clinical interaction in the health care environment. The course entails on-going communication between the clinical instructor, student, and course coordinator. Upon completion, the student should be able to safely and effectively apply procedures and techniques previously attained in the classroom.
- PTA 266 CLINICAL FIELD WORK I (10P5)** **2 credits**
This clinical class will provide an intensive and extended clinical interaction in the health care environment. The course entails on-going communication between the clinical instructor, student, and course coordinator. The student will safely and effectively apply procedures and techniques previously attained in the classroom.
- PTA 267 CLINICAL FIELD WORK II (10P5)** **2 credits**
This clinical class is a continuation of PTA 266 and will provide clinical interaction in the health care environment. The course entails on-going communication between the clinical instructor, student and course coordinator. The student will safely and effectively apply procedures and techniques previously attained in the classroom.
- PTA 268 CLINICAL PRACTICUM (25P5)** **5 credits**
This clinical education experience allows the student to practice in the health care environment, using entry level skills attained in previous classroom instruction. The course entails on-going communication between the clinical instructor, student, and course coordinator. Upon completion of this course, the student should be able to demonstrate entry level competency in those skills necessary for functioning as a physical therapist assistant.
- PTA 290 THERAPEUTIC EXERCISE (3S)** **1 credit**
This lab course covers exercise techniques commonly used in PTA practice. It may include aquatics, isometric, isotonic, isokinetic, plyometric, Swiss ball, and aerobic exercise. Upon completion of the course, the student should have entry level skills in exercise application.
- PTA 293 DIRECTED STUDY FOR PTA (1T)** **1 credit**
This course is designed to increase the opportunity for

exploring, reading, and reporting on specific topics related to the field of physical therapy. Emphasis is placed on the development of knowledge in an area of interest to the student. The student should be able to meet the objectives of the course as approved by the instructor.

physics. Topics included are simple harmonic motion, waves, sound, light, optics, electricity and magnetism. Laboratory is required.

PHYSICS (PHY)

PHY 115 TECHNICAL PHYSICS (3T, 2E) 4 credits
PREREQUISITE: MTH 100

(Course taught infrequently; only as enrollment demands)
Technical physics is an algebra-based physics course designed to utilize modular concepts to include: motion, forces, torque, work energy, heat wave/sound, and electricity. Results of physics education research and physics applications in the workplace are used to improve the student's understanding of physics in technical areas. Upon completion, students will be able to define motion and describe specific module concepts; utilize microcomputers to generate motion diagrams; understand the nature of contact forces and distinguish passive forces; work cooperatively to set-up laboratory exercises; and demonstrate applications of module-specific concepts. Laboratory is required.

PHY 201 GENERAL PHYSICS I- TRIG BASED (3T, 2E) 4 credits
PREREQUISITE: MTH 104 or MTH 113 or Equivalent
(Course taught infrequently; only as enrollment demands)

This course is designed to cover general physics at a level that assumes previous exposure to college algebra and basic trigonometry. Specific topics include mechanics, properties of matter and energy, thermodynamics, and periodic motion. Laboratory is required.

PHY 202 GENERAL PHYSICS II – TRIG BASED (3T, 2E) 4 credits
PREREQUISITE: PHY 201
(Course taught infrequently; only as enrollment demands)

This course is designed to cover general physics using college algebra and basic trigonometry. Specific topics include wave motion, sound, light, optics, electrostatics, circuits, magnetism and modern physics. Laboratory is required.

PHY 205 RECITATION IN PHYSICS I (1T) 1 credit
One hour weekly purely for problem solving.

PHY 206 RECITATION IN PHYSICS II (1T) 1 credit
One hour weekly purely for problem solving.

PHY 213 GENERAL PHYSICS WITH CALCULUS I (3T, 2E) 4 credits
PREREQUISITE: MTH 125 or Permission of instructor

This course provides a calculus-based treatment of the principal subdivisions of classical physics: mechanics and energy. Laboratory is required.

PHY 214 GENERAL PHYSICS WITH CALCULUS II (3T, 2E) 4 credits
PREREQUISITE: PHY 213

This course provides a calculus-based study in classical

PHY 216 RECITATION IN PHYSICS WITH CAL I (1T) 1 credit

One hour weekly purely for problem solving.

PHY 217 RECITATION IN PHYSICS WITH CAL II (1T) 1 credit

One hour weekly purely for problem solving.

PHY 218 MODERN PHYSICS (3T, 2E) 4 credits
PREREQUISITE: PHY 214 and MTH 227

The focus of this course is the development of the theory of relativity, the old quantum theory of Planck, Einstein, Bohr and Sommerfeld, and the new quantum physics of Schrodinger, Heisenberg, Dirac and Pauli. Laboratory experiments illustrate the principles discussed and include, but are not limited to, determination of the speed of light, charge and charge to mass ratio of the electron, the Planck constant and the Rydberg constant. Laboratory is required.

PHY 219 RECITATION FOR MODERN PHYSICS (1T) 1 credit
PREREQUISITE: As required by program.

One hour weekly purely for problem solving.

PROCESS TECHNOLOGY (PCT)

PCT 100 FUNDAMENTALS OF PROCESS TECHNOLOGY (3T) 3 credits

This course provides an overview or introduction into the field of Process Operation. An overview of basic operating concepts and process control principles used within the process industries will be introduced and investigated.

PCT 110 PROCESS TECHNOLOGY I, EQUIPMENT (3T, 2E) 4 credits
PREREQUISITE: PCT 100

This course provides an overview or introduction into the field of process technology equipment within the process industry. Students will be introduced to many process industry related equipment concepts including purpose, components, operation, and Process Technicians' role for operating and troubleshooting the equipment.

PCT 115 INSTRUMENTATION I (2T, 2E) 3 credits
PREREQUISITE: PCT 100

This course covers process variables and various instruments used to sense, measure, transmit and control these variables. Introduces the students to control loops and the elements that are found in different types of loops, such as controllers, regulators and final control elements. Concludes with a study of instrumentation drawings and diagrams and a unit on troubleshooting instrumentation.

PCT 215 INSTRUMENTATION II (3T, 2E) 4 credits
PREREQUISITES: PCT 110 and PCT 115

This course introduces the student to switches, relays and annunciators systems and moves on to discuss signal con-

Course Descriptions

version and transmission. Students move on to learn about digital control, programmable logic control and distributed control systems before ending the course with a discussion of instrumentation power supplies, emergency shutdown systems and instrumentation malfunctions.

PCT 220 PROCESS TECHNOLOGY II, SYSTEMS (3T, 2E) 4 credits

PREREQUISITES: PCT 105 and PCT 110

This course is a study of the interrelations of process equipment and process systems. Students will be able to arrange process equipment into systems, describe the purpose and function of specific process systems, explain how factors affecting process systems are controlled under normal conditions, and recognize abnormal process conditions. Students are also introduced to the concept of system process control and manufacturing plant process economics.

PCT 230 PROCESS TECHNOLOGY III, OPERATIONS (3T, 2E) 4 credits

PREREQUISITES: PCT 215 and PCT 220

This course provides an overview or introduction into the field of operations within the process industry. Students will use existing knowledge of equipment, systems and instrumentation to understand the operation of an entire unit including using a Process Control simulator.

PCT 240 PROCESS TROUBLESHOOTING (3T, 2E) 4 credits

PREREQUISITES: PCT 215 and PCT 220

This course involves instruction in different types of troubleshooting techniques, procedures, and methods used to solve process problems. Topics include application of data collection and analysis, cause-effect relationships and reasoning. In addition to troubleshooting static equipment problems as presented within a textbook, dynamic problems will also be presented via a process simulator for problem resolution by the student.

POLITICAL SCIENCE (POL)

POL 103, CURRENT AFFAIRS (2T) 2 credits
104, 105

This course sequence is designed to acquaint students with major issues and problems of contemporary society through examination of current events. Emphasis is placed on topics which contribute to student awareness of historical development and political significances of selected contemporary issues. Upon completion, students should be able to identify and explain factors in the historical development of, explain political significances of, and express informed judgments about selected contemporary social and political issues.

POL 106 CURRENT AFFAIRS (3T) 3 credits

This course is a study of contemporary world events as reflected in current media reports. Emphasis is placed on topics of current significance as news or human interest events on the national and international levels. Upon completion, students should be able to identify and explain factors involved with, explain political significances of, and

express informed judgments about selected contemporary social and political issues.

POL 200 INTRODUCTION TO POLITICAL SCIENCE (3T) 3 credits

This course is an introduction to the field of political science through examination of the fundamental principles, concepts, and methods of the discipline, and the basic political processes and institutions of organized political systems. Topics include approaches to political science, research methodology, the state, government, law, ideology, organized political influences, governmental bureaucracy, problems in political democracy, and international politics. Upon completion, students should be able to identify, describe, define, analyze, and explain relationships among the basic principles and concepts of political science and political processes and institutions of contemporary political systems.

POL 211 AMERICAN NATIONAL GOVERNMENT (3T) 3 credits

This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U.S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and explain relationships among the basic elements of American government and function as more informed participants of the American political system.

POL 220 STATE AND LOCAL GOVERNMENT (3T) 3 credits

This course is a study of the forms of organization, functions, institutions, and operation of American state and local governments. Emphasis is placed on the variety of forms and functions of state and local governments, with particular attention to those in Alabama and to the interactions between state and local government and the national government. Upon completion, students should be able to identify elements of and explain relationships among the state, local, and national governments of the U.S. and function as more informed participants of state and local political systems.

POL 230 COMPARATIVE GOVERNMENT (3T) 3 credits

This course introduces comparative analysis of political systems. Emphasis is placed on institutions and processes of contemporary national political systems in selected democratic industrial nations. Upon completion, students should be able to compare and contrast the organization, institutions, and processes of major types of governmental systems of the world.

POL 236 SURVEY OF INTERNATIONAL RELATIONS (3T) 3 credits

PREREQUISITE: Permission of instructor

This course is a survey of the basic forces affecting international relations. Topics include bases of national power, balance of power, causes of war, the international political economy, international law, international organization, and possible futures of international relations. Upon completion, students should be able to identify and discuss rele-

vant terms and concepts and identify, analyze, evaluate and discuss the primary factors influencing the international relations of selected states.

POL 240 POLITICAL THEORY (3T) 3 credits
PREREQUISITE: Permission of instructor

This course is an introduction to political theory through examination of philosophical concepts related to development of modern political ideologies. Emphasis is placed on selected sources of political philosophies. Upon completion, students should be able to identify selected political concepts and associated philosophers, and define, analyze, and explain major tenets of selected ideologies.

POL 299 DIRECTED STUDIES 1-3 credits*
PREREQUISITE: Recommendation of instructor and approval of academic division dean

This course provides opportunities for non-traditional exploration of selected topics in political science. Emphasis is placed on knowledge and experience students gain through learning activities such as guided reading, internships, and programs combining personal experience with related intensive study. Upon completion, students should be able to prepare papers, presentations, or other projects on approved topics related to their individual experiences.
*Credit to be determined from appropriate contact-to-credit ratio formula.

PARALEGAL (PRL)

PRL 101 INTRODUCTION TO PARALEGAL STUDY (3T) 3 credits

This course introduces the paralegal profession and the legal system. Topics include an overview of major areas of legal practice, ethics, legal analysis and research, professional development including certification and employment, and related topics.

***Note: PRL 101 & PRL 102 must be taken before any other course with the PRL prefix, except that PRL 101 & PRL 103 may be taken concurrently.**

PRL 102 BASIC LEGAL RESEARCH AND WRITING (3T) 3 credits
PREREQUISITE: Grade of "C" or better in ENG 093 or satisfactory ACT, SAT, or placement score

This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and validating sources of law. Topics include legal research, legal writing, proper citation, and electronic research.

***Note: PRL 101 & PRL 102 must be taken before any other course with the PRL prefix, except that PRL 101 & PRL 103 may be taken concurrently.**

PRL 150 COMMERCIAL LAW (3T) 3 credits

This course covers contracts, selected portions of the Uniform Commercial Code, and forms of business organization.

***Note: This course may be substituted by BUS 263**

PRL 160 CRIMINAL LAW AND PROCEDURE (3T) 3 credits

This course introduces substantive and procedural criminal law including elements of state and federal crimes, defenses, constitutional issues, pre-trial process, and other related topics.

****Note: This course may be substituted by CRJ 140**

PRL 210 REAL PROPERTY LAW (3T) 3 credits

This course emphasizes the study of real property law. Topics include the distinction between real and personal property, various estates and interests in property, and the mechanics of conveyance, encumbrances, and closing procedure.

***Note: This course may be substituted by RLS 125**

PRL 230 DOMESTIC LAW (3T) 3 credits

This course covers laws governing domestic relations. Topics include marriage, separation, divorce, child custody, support, property division, adoption, and other related topics.

PRL 240 WILLS, TRUSTS, AND ESTATES (3T) 3 credits

This course covers wills, trusts, and inheritance. Topics include types of wills, the law of intestacy (inheritance), probating estates, and alternatives to probate. The course also covers trusts, medical directives, and associated litigation.

PRL262 CIVIL LAW AND PROCEDURE (3T) 3 credits

This course examines the Federal Rules of Civil Procedure, the Alabama Rules of Civil Procedure, and trial procedure.

PRL282 LAW OFFICE MANAGEMENT AND PROCEDURES (3T) 3 credits

This course focuses on the organization and policies and procedures of a law office.

PRL 291 PARALEGAL INTERNSHIP (3L) 3 credits
PREQUISITE: PRL 101, 102, 262, and permission of the Program Director

This course provides students opportunities to work in paid or unpaid positions in which they apply paralegal skills and knowledge. This course requires a minimum of 100 hours of practical experience in the legal field.

PSYCHOLOGY (PSY)

PSY 100 ORIENTATION (1T) 1 credit

This course is designed to introduce the student to college life, responsibilities, rules and regulations. This course is required for all students placing in at least two developmental courses on placement exam.

PSY 102 APPLIED PSYCHOLOGY (2T) 2 credits

This course introduces the basic principles of psychology as they apply to daily life. Topics include perception, emotions, motivation, adjustment, behavior management, communication, and related topics that promote growth and development on the job and in one's personal life. Upon completion, students should be able to apply the principles learned in this class to everyday living and on-the-job experiences.

PSY 106 CAREER EXPLORATION (1T) 1 credit

This course is designed for students to explore potential career fields. The course includes an assessment, thorough testing of strengths and weaknesses, general information about careers and job skills, value and decision making techniques, and career research.

Course Descriptions

- PSY 107 STUDY SKILLS (1T) 1 credit**
In this course, emphasis is placed on the skills of "how to study." The course introduces the student to effective techniques for listening in class, note taking, preparation for test taking, and an overall system of successful study.
- PSY 110 PERSONAL DEVELOPMENT (3T) 3 credits**
This is a structured group experience that emphasizes effective living through developing one's own internal resources. Topics included are self-programmed control, relaxation training, and inter-personal skills. The course is designed to translate other life skills into successful college adjustment. Study skills, library skills, and life planning are also discussed. This course may not transfer to some four-year institutions.
- PSY 200 GENERAL PSYCHOLOGY (3T) 3 credits**
COREQUISITE: ENG 093, C or better or satisfactory ACT, SAT, or RDG placement score.
This course is a survey of behavior with an emphasis on psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality.
- PSY 207 PSYCHOLOGY OF ADJUSTMENT (3T) 3 credits**
This course provides an understanding of the basic principles of mental health and an understanding of the individual modes of behavior.
- PSY 208 CONTEMPORARY ISSUES IN PSYCHOLOGY (3T) 3 credits**
PREREQUISITE: PSY 200
This course is a study of selected topics in general psychology.
- PSY 210 HUMAN GROWTH AND DEVELOPMENT (3T) 3 credits**
PREREQUISITE: PSY 200
This course is a study of the psychological, social and physical factors that affect human behavior from conception to death.
- PSY 211 CHILD GROWTH AND DEVELOPMENT (3T) 3 credits**
PREREQUISITE: PSY 200
This course is a systematic study of the behavior and psychological development of the child from conception to adolescence. Emphasis will be placed on principles underlying physical, mental, emotional and social development, methods of child study, and practical implications.
- PSY 212 ADOLESCENT PSYCHOLOGY (3T) 3 credits**
PREREQUISITE: PSY 200
This course covers a systematic study of the behavior and psychological development of the adolescent from late childhood to early adulthood. Emphasis will be placed on principles underlying physical, mental, emotional, and social development.
- PSY 216 ADULT PSYCHOLOGY (3T) 3 credits**
PREREQUISITE: PSY 200
This course covers a systematic study of the behavior and psychological development of the adult. Emphasis will be placed on principles underlying physical, mental, emotional and social development.
- PSY 217 PSYCHOLOGY OF DEATH AND DYING (3T) 3 credits**
This course is a study of the special psychological adjustments surrounding the issue of death and dealing with the terminally ill.
- PSY 220 HUMAN SEXUALITY (3T) 3 credits**
This course is a comprehensive and integrated approach to human sexuality emphasizing biological, psychological, social and emotional aspects.
- PSY 230 ABNORMAL PSYCHOLOGY (3T) 3 credits**
PREREQUISITE: PSY 200
This course is a survey of abnormal behavior and its social and biological origins. The anxiety related disorders, psychoses, personality disorders and mental deficiencies will be covered.
- PSY 240 EDUCATIONAL PSYCHOLOGY (3T) 3 credits**
PREREQUISITE: PSY 200
This course is a study of psychological theories and principles as applied to the educational process.
- PSY 250 SOCIAL PSYCHOLOGY (3T) 3 credits**
PREREQUISITE: PSY 200
This course is a study of social factors as they influence individual behavior.
- PSY 260 STATISTICS FOR THE SOCIAL SCIENCES (3T) 3 credits**
This course is an introduction to the basic statistical concepts, measures, and techniques used in social science research and report writing. It includes both descriptive and inferential statistics.
- PSY 270 BUSINESS AND INDUSTRIAL PSYCHOLOGY (3T) 3 credits**
PREREQUISITE: Permission of instructor
This course is a study of interpersonal relations in the working environment, interpersonal communications, and techniques for selection and supervision of personnel.
- PSY 276 HUMAN RELATIONS (3T) 3 credits**
PREREQUISITE: Permission of instructor
This course focuses on readings, inter- and intra- personal experiences, individual testing, employer visits and open discussions. Its goal is to assist the student in making a successful transition from classroom to the world of work.
- PSY 280 BRAIN, MIND AND BEHAVIOR (3T) 3 credits**
PREREQUISITE: PSY 200
This course is a comprehensive study of the human brain and its functions.

RELIGION (REL)

- REL 100 HISTORY OF WORLD RELIGIONS (3T) 3 credits**
This course is designed to acquaint the student with the beliefs and practices of the major contemporary religions of the world. This includes the religions of Africa, the Orient, and the western world. The student should have an understanding of the history and origins of the various religions of the world.

- REL 101 SURVEY OF CHURCH HISTORY I (3T) 3 credits**
This is the first course in a sequence of two courses which is a study of the growth and development of the church from the New Testament to the Reformation.
- REL 102 SURVEY OF CHURCH HISTORY II (3T) 3 credits**
This course is the second in a sequence of two courses which is a study of the growth and development of the church from the Reformation to the present day.
- REL 106 CHRISTIAN DOCTRINES (3T) 3 credits**
This course is a comparative study of church doctrines. The student should have an understanding of the various doctrines of the church.
- REL 107 INTRODUCTION TO CHRISTIAN LIVING (3T) 3 credits**
This course is a study of the categories of Christian ethics. Attention is given to the social institutions and how Christian ethics are applied to these institutions. The student should have an understanding of the ethical decisions of Christian living.
- REL 108 INTRODUCTION TO PREACHING MINISTRY (3T) 3 credits**
This course is a study of the meaning of preaching and the importance of the sermon. Included in the course is an introduction to the textual and topical resources for sermons. The student should understand and be able to prepare sermons.
- REL 109 TEACHING IN THE CHURCH (3T) 3 credits**
This course is a study of methods designed to improve teaching in the church. It addresses the meaning, methods and material that are effective in teaching in a church environment. The student should be able to develop a church curriculum upon completion of this course.
- REL 116 CHURCH ADMINISTRATION (3T) 3 credits**
This course is a comparative study of various types of church administration. The student should have an understanding of the various types of church administration.
- REL 119 INTERPRETING THE BIBLE (3T) 3 credits**
This course is an attempt to understand the method of dealing with scripture as the word of God. Attention is given to different approaches to interpretation and suggestions are provided for legitimate application. The student should develop a greater understanding of the Bible as a result of this course.
- REL 120 LIFE AND TEACHING OF JESUS (3T) 3 credits**
This course is a study of the teaching of Jesus as recorded in the Gospels, covering an examination of major events in his life in light of modern Biblical and historical scholarship. The student should have knowledge of Jesus' life and the application of his teachings to modern life. Emphasis in the course is given to the reading and interpretation of the gospels and on other ancient and modern source material.
- REL 151 SURVEY OF THE OLD TESTAMENT (3T) 3 credits**
This course is an introduction to the content of the Old

Testament, with emphasis on the historical context and contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course.

- REL 152 SURVEY OF THE NEW TESTAMENT (3T) 3 credits**
This course is a survey of the books of the New Testament, with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.
- REL 166 BIBLICAL BACKGROUND (3T) 3 credits**
This course is a contemporary overview of Biblical lands. The student should have an understanding of the geographical and cultural context of the lands associated with the Bible.
- REL 206 HISTORY OF AMERICAN CHRISTIANITY (3T) 3 credits**
This course is an attempt to understand the complex character of American churches and sects, their origin and development.

REAL ESTATE (RLS)

- RLS 101 REAL ESTATE PRINCIPLES (4T) 4 credits**
This is an introductory real estate course providing the necessary terminology, background, and understanding of real estate principles. Topics include history of property ownership, real estate finance, real estate law, and the mechanics of listing and closing the sale. It is designed to assist those preparing for the real estate salesman's licensing examination in Alabama.
- RLS 110 REAL ESTATE FINANCE (3T) 3 credits**
PREREQUISITE: RLS 101
This course provides an analysis of money markets, with special emphasis on real estate financing. Topics include interest rates, lending policies, problems and rules in real estate financing of real property.
- RLS 116 REAL ESTATE APPRAISAL CERTIFICATION (4T) 4 credits**
PREREQUISITE: RLS 101
This is an introductory course providing the foundation of real estate appraisal. Topics include site and physical factors; effects of the money and capital markets; methodologies used to value property; and how to present and evaluate the appraisal report.
- RLS 125 REAL ESTATE LAW (3T) 3 credits**
This course deals with Alabama real estate law. Emphasis is placed on such areas as real property and zoning easements, titles, deeds, recording practices, contracts, mortgages, and law.
- RLS 140 INDEPENDENT STUDY IN REAL ESTATE (1-3T) 1-3 credits**

Course Descriptions

This course allows a student to pursue independent studies in the real estate field. Projects and/or topics may be assigned by the instructor or designed by the student, with instructor's approval.

RLS 190 REAL ESTATE WORKSHOP (1-3T) 1-3 credits
These workshops consist of presentations of current topics of interest to those employed in the real estate industry. They can be developed to meet the continuing education requirements of the real estate professional. They are offered upon demand.

RLS 205 PROPERTY MANAGEMENT (3T) 3 credits
This course includes principles and practices of property management. Emphasis is placed on residential, business, industrial, and investment properties.

RADIO AND TV BROADCASTING (RTV)

RTV 101 INTRODUCTION TO BROADCASTING (3T) 3 credits
This course surveys the history, growth, and development of radio, television, and related media in the United States with emphasis on social, cultural, and economic implications and special consideration given to regulations and current issues.

RTV 106 VOICE AND DICTION FOR BROADCASTING (3T) 3 credits
This course provides exercises designed to improve individual standard broadcast English pronunciation with focus on the individual's regional, ethnic or native language pronunciation. Skills in the areas of news reading, sports casting, commercial salesmanship and public service script reading, ad lib announcing, vocabulary and interviewing are also developed.

RTV 110 BROADCAST REGULATION (3T) 3 credits
This course covers historical development of control of radio, television and related media by agencies, groups, and organizations through legal, social, and economic means.

RTV 115 AUDIO PRODUCTION I (1T, 6M) 3 credits
This course provides a foundation to the basic concepts that apply to all aspects of audio production. It is an introduction to basic audio techniques for film, radio, and television production. Emphasis is placed on effective use of words, music and/or sound effects in the production of audio. Audio production and post-production are covered, with a focus on production. The development of sound technology and its influence on various media, as well as radio history are examined.

RTV 116 RADIO BROADCASTING/AUDIO CAREERS I (3T) 3 credits
Theory and application of audio media writing and production techniques are covered in this course. Emphasis is placed on effective use of words, music and/or sound effects in the production of audio programming for radio.

RTV 117 TELEVISION/VIDEO PRODUCTION I (3T) 3 credits
The theory and application of television media writing and production techniques are covered in this course through

an examination of the equipment, process, and technology required in production for television and related media.

RTV 118 MEDIA PRE-PRODUCTION I (1T, 6M) 3 credits
This course is a study of and practice in techniques and skills used in planning for various types of media projects. The class explores all aspects of preproduction planning for media projects. A focus is placed on the role of producer, and the process of taking a concept from inception to completion through the development phase of the media production process. A special emphasis is placed on scriptwriting.

RTV 119 VIDEO PRODUCTION I (1T, 6M) 3 credits
This class provides demonstrations and practice regarding the basics of the video production process. The course introduces students to basic video production techniques and provides a basic overview of film and television theory and criticism. It provides a combination of theory and hands-on exercises in order for students to learn the equipment and techniques used in media production and editing. Basic shooting and editing techniques are introduced.

RTV 120 MEDIA POSTPRODUCTION I (1T, 6M) 3 credits
This class focuses on the technical and theoretical aspects of videotape editing. Students are provided with hands-on training and are required to produce various nonlinear editing exercises, exploring various editing techniques and approaches in a digital environment.

RTV 122 SCRIPTWRITING (1T, 6M) 3 credits
This course is an introduction to writing screenplays. Both creative and technical aspects are covered. Focus is placed on script formatting, story structure, character development and the use of visual imagery in the storytelling process. Students develop and write short screenplays and scripts are critiqued.

RTV 143 PRACTICUM IN RADIO/AUDIO I (1T, 6M) 3 credits
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.

RTV 144 PRACTICUM IN RADIO/AUDIO II (1T, 6M) 3 credits
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.

RTV 145 PRACTICUM IN RADIO/AUDIO III (1T, 6M) 3 credits
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.

RTV 153 PRACTICUM IN TELEVISION/VIDEO I (1T, 6M) 3 credits
This course offers supervised campus experience in television/video broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.

- RTV 154 PRACTICUM IN TELEVISION/VIDEO II (1T, 6M) 3 credits**
This course offers supervised campus experience in television/video broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 155 PRACTICUM IN TELEVISION/VIDEO III (1T, 6M) 3 credits**
This course offers supervised campus experience in television/video broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 160 STUDIO RIGGING AND SET DESIGN I (1T, 6M) 3 credits**
The purpose of this course is to cover the basic function, development, construction, installation, implementation and oversight of sets and studios. Topics may include safety, backgrounds, furniture, props, and virtual set design. Upon completion, students will have an understanding of the components of set design, set up, and safe installation.
- RTV 191 INTERNSHIP IN RADIO OR TELEVISION BROADCASTING (9M) 3 credits**
This course offers supervised field experience in radio or television broadcasting or related areas.
- RTV 215 AUDIO PRODUCTION II (1T, 6M) 3 credits**
This class provides a further exploration of concepts that apply to all aspects of audio production. It is an examination of basic audio techniques for film, radio, and television production. Audio production and post-production are covered, with a focus on audio editing/post-production.
- RTV 217 TELEVISION/VIDEO PRODUCTION II (2T, 2M) 3 credits**
This course is a continuation of RTV 117 with emphasis on the theory and application of television/video production, direction, and editing.
- RTV 218 MEDIA PRE-PRODUCTION II (1T, 6M) 3 credits**
This course is an advanced study of and practice in techniques and skills used in planning for various types of media projects. The class explores all aspects of preproduction planning for media projects. A focus is placed on the role of producer, and the process of taking a concept from inception to completion through the development phase of the media production process. A special emphasis is placed on scheduling and casting.
- RTV 219 VIDEO PRODUCTION II (1T, 6M) 3 credits**
This class provides further demonstrations and practice regarding the video production process. Students are further introduced to basic video production techniques and the course provides an overview of film and television theory and criticism. It provides a combination of theory and hands-on exercises in order for students to learn the equipment and techniques used in media production. Advanced instruction in video production is provided through this hands-on, production-intensive course.
- RTV 220 MEDIA POSTPRODUCTION II (1T, 6M) 3 credits**
This course includes further instruction in nonlinear editing with emphasis on visual effects, transitions, editing short-cuts and text. The course explores current postproduction techniques, examining various editing styles and current

video technology. Concepts related to edit decisions and the management of media are developed through exercises and assignments. Specific issues relating to aesthetics of editing are also discussed.

- RTV 222 ADVANCED MEDIA POSTPRODUCTION (1T, 6M) 3 credits**
This course focuses on the use of computer generated postproduction audio/visual effects. Topics may include chroma-key effects, animation, and advanced text design. Upon completion, students will be able to apply their knowledge of advanced postproduction techniques.
- RTV 226 BROADCAST MANAGEMENT (3T) 3 credits**
This course covers theory and application of management practices in the administration of broadcast and related businesses.
- RTV 230 LIGHTING FOR MEDIA (1T, 6M) 3 credits**
This course examines the theoretical and practical application of lighting for video and/or film. Students gain production experience in field/location and studio lighting, and recording. Students will also participate in various roles related to lighting on the production team.
- RTV 243 PRACTICUM IN RADIO/AUDIO IV (1T, 6M) 3 credits**
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 244 PRACTICUM IN RADIO/AUDIO V (1T, 6M) 3 credits**
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 245 PRACTICUM IN RADIO/AUDIO VI (1T, 6M) 3 credits**
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 253 PRACTICUM IN TELEVISION/VIDEO IV (1T, 6M) 3 credits**
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 254 PRACTICUM IN TELEVISION/VIDEO V (1T, 6M) 3 credits**
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 255 PRACTICUM IN TELEVISION/VIDEO VI (1T, 6M) 3 credits**
This course offers supervised campus experience in radio/audio broadcasting with emphasis in the planning, production and editing of electronic media announcements and programs.
- RTV 260 STUDIO RIGGING AND SET DESIGN II (1T, 6M) 3 credits**
This is a continuation of RTV 160. It covers advanced principles of function, development, construction, installation,

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implementation and oversight of sets and studios. Topics may include safety, backgrounds, furniture, props, and virtual set design. Upon completion, students will have an understanding of the components of set design, set up, and safe installation.

RTV 265 SPECIAL TOPICS IN MEDIA (9M) 3 credits
This course provides specialized instruction in various areas related to radio, audio, television, and video. Emphasis is placed on meeting students' needs.

RTV 266 SPECIAL TOPICS IN MEDIA (1T, 6M) 3 credits
This course provides specialized instruction in various areas related to radio, audio, television, and video. Emphasis is placed on meeting students' needs.

RTV 267 SPECIAL TOPICS IN MEDIA (9M) 3 credits
The topic of this course varies from semester to semester. Each course focuses on various issues in the field of media production and allows students to pursue specific projects related to the subject of the course. Covered topics may include specific genre production and study (such as horror, musical, and film noir) specific topic and style related project work, cinematic eras and trends and focuses on particular directors and related styles.

RTV 268 SPECIAL TOPICS IN MEDIA (1T, 6M) 3 credits
The topic of this course varies from semester to semester. Each course focuses on various issues in the field of media production and allows students to pursue specific projects related to the subject of the course. Covered topics may include specific genre production and study (such as horror, musical, and film noir) specific topic and style related project work, cinematic eras and trends and focuses on particular directors and related styles.

RTV 284 COOPERATIVE EDUCATION (9M) 3 credits
This course is designed to provide a paid cooperative work experience directly related to the field of radio and/or television broadcasting. The average hours worked each week will determine the number of credit hours allowed. Grades are based on the successful completion of the work experience as judged by the student's work supervisor and the faculty coordinator. To register for cooperative education, you must see the Job Development Officer in the Cooperative Education and Placement Office.

RTV 291 INTERNSHIP IN RADIO OR TELEVISION BROADCASTING (9M) 3 credits
This course offers supervised field experience in radio or television broadcasting or related areas.

SOCIOLOGY (SOC)

SOC 200 INTRODUCTION TO SOCIOLOGY (3T) 3 credits
This course is an introduction to vocabulary, concepts, and theory of sociological perspective of human behavior.

SOC 208 INTRODUCTION TO CRIMINOLOGY (3T) 3 credits
This course delves into the nature and extent of crime in the United States, as well as criminal delinquent behavior and theories of causation. The study includes criminal personalities, principles of prevention, control and treatment.

SOC 209 JUVENILE DELINQUENCY (3T) 3 credits
PREREQUISITE: SOC 200
This course examines the causes of delinquency. It also reviews programs of prevention and **control** of juvenile delinquency, as well as the role of the courts.

SOC 210 SOCIAL PROBLEMS (3T) 3 credits
PREREQUISITE: SOC 200
The course examines the social and cultural aspects, influences, incidence and characteristics of current social problems in light of sociological theory and research.

SOC 246 MODERN WOMEN IN A CHANGING SOCIETY (3T) 3 credits
PREREQUISITE: SOC 200
This course explores the role of the contemporary woman and the changing family and the world of work.

SOC 247 MARRIAGE AND THE FAMILY (3T) 3 credits
PREREQUISITE: SOC 200
The course is a study of family structures and families in a modern society. It covers preparation for marriage, as well as sociological, psychological, biological, and financial factors relevant to success in marriage and family life.

SOC 296 DIRECTED STUDIES IN SOCIOLOGY (1-3T) 1-3 credits
PREREQUISITE: SOC 200
This course provides students with opportunities to have "hands-on" experience with research methods used in the behavioral sciences or to complete directed readings under faculty supervision.

SPANISH (SPA)

SPA 101 INTRODUCTORY SPANISH I (4T) 4 credits
PREREQUISITE: Grade of "C" or better in ENG 093 or satisfactory ACT, SAT or placement score
This course provides an introduction to Spanish. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish speaking areas.

SPA 102 INTRODUCTORY SPANISH II (4T) 4 credits
PREREQUISITE: SPA 101 or Equivalent
This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish speaking areas.

SPA 201 INTERMEDIATE SPANISH I (3T) 3 credits
PREREQUISITE: SPA 102 or Equivalent
This course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts.

SPA 202 INTERMEDIATE SPANISH II (3T) 3 credits
PREREQUISITE: SPA 201
 This continuation course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts.

SPEECH COMMUNICATIONS (SPH)

SPH 107 FUNDAMENTALS OF PUBLIC SPEAKING (3T) 3 credits
 This course explores principles of audience and environment analysis as well as the actual planning, rehearsing and presenting of formal speeches to specific audiences. Historical foundations, communication theories and student performances are emphasized. Students prepare and deliver short speeches, practice analytical listening, and engage in various communication exercises.

SPH 116 INTRODUCTION TO INTERPERSONAL COMMUNICATION (3T) 3 credits
 This course is an introduction to the basic principles of interpersonal communication.

SPH 206 ORAL INTERPRETATION (3T) 3 credits
(Course offered only in the Fall Semester at the Decatur Campus)
 This course is designed to help students develop specific skills in the analysis and oral interpretation of poetry, prose, and drama. It includes a study of the elements of oral communication such as imagery, structure, and dramatic timing. Opportunity is given for public/classroom performance of literature.

SOCIAL WORK TECHNOLOGY (SWT)

SWT 109 TECHNIQUES OF BEHAVIOR MODIFICATION I (3T) 3 credits
 In this course, the student will demonstrate the ability to decrease inappropriate behaviors and to shape appropriate behavior through the use of behavior modification techniques.

SWT 130 THE COMMUNITY AND THE SOCIAL WORKER (3T) 3 credits
 This course is designed to acquaint the student with the demographic, economic and cultural composition of the community. The student will develop technical skills for making practical application of available resources for enhancing the quality of life within the community.

SWT 131 PROBLEMS OF CHILDREN AND YOUTH (3T) 3 credits
 This course develops an understanding of the emotional, social, psychological, and physical needs of children and youth. This course presents the influences and responsibilities of natural and surrogate parents. The student becomes familiar with the nature and causes of the more common problems and develops skills for assisting with the prevention and/or improvement of problems common among children and youth.

SWT 133 GERIATRICS (3T) 3 credits
 This course includes the study of the needs of making adjustments to retirement, activities and hobbies of the older person, and community agencies available for the aged. This course will include common psychological and physical problems of the aging. Actual experience will be provided in helping the elderly accept the changes in later life and teaching them of the many services available to them.

SWT 138 COUNSELING FROM A CULTURAL PERSPECTIVE (3T) 3 credits
 This course will acquaint the students with some of the problems facing minorities. It will stress the importance of the counselor's knowledge of, and sensitivity to, the minority client experiences and how these experiences are greater now than they have been at any time in the past three decades. This course will help counselors and mental health practitioners maximize their effectiveness when working with a culturally diverse population. The student will learn to establish the necessary and sufficient conditions of a counseling relationship with clients who are culturally different. Similarities in race, ethnicity, and culture will be stressed.

SURGICAL TECHNOLOGY (SUR)

SUR 100 PRINCIPLES OF SURGICAL TECHNOLOGY (3T, 6S) 5 credits
PREREQUISITES: Admission to the Surgical Technology Program and permission of the instructor
 This course is an introduction to the field of surgical technology as a career. Emphasis is on the role of the surgical technologist, principles of asepsis, principles of patient care, surgical procedures, operative techniques, blood-borne pathogens, safety, pharmacology, and surgical instrumentation. Upon completion, the student should be able to demonstrate practical application of the basic procedures and skills of the surgical technologist.

SUR 102 APPLIED SURGICAL TECHNOLOGIES (2T, 6S) 4 credits
PREREQUISITES: Admission to the Surgical Technology Program and permission of the instructor
 This course is the application of principles of asepsis and the role of the surgical technologist. Emphasis is placed on creating and maintaining a sterile environment and applying skills of interoperative procedures. Upon completion of this course, the student should be able to participate in mock surgical procedures.

SUR 103 SURGICAL PROCEDURES (3T, 6S) 5 credits
PREREQUISITES: SUR 100, SUR 102, SUR 107, and HPS 114
 This course is a study of surgical procedures as they relate to anatomy, pathology, specialty equipment, and team responsibility. Patient safety is emphasized and medications used in surgery are discussed. Upon completion of the course, the student should be able to participate in surgical procedures in the operating room.

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SUR 104 SURGICAL PRACTICUM I (20, P5) 4 credits
PREREQUISITES: SUR 100, SUR 102, SUR 107, and HPS 114

This course is the application of perioperative principles in the perioperative setting. Emphasis is placed on application of the surgical technologist's role. Upon completion of the course, the student should be able to participate in the surgical technologist role.

SUR 105 SURGICAL PRACTICUM II (1T, 20, P5) 5 credits
PREREQUISITES: SUR 103 and SUR 104

This clinical experience allows the student to practice in the health care environment using entry level skills attained in previous classroom, laboratory, and clinical instruction. In addition to clinical skills, emphasis is placed on specialty surgical procedures, the study of trends, professional and interpersonal skills in the health care setting, and case review. Upon completion of this course, the student should be able to apply concepts of surgical technology to student levels.

SUR 106 SPECIAL TOPICS IN SURGICAL TECHNOLOGY (1T) 1 credit
PREREQUISITES: SUR 100 and SUR 102

This course is designed to provide specialized instruction in selected topics in the field of Surgical Technology. Emphasis is on review of content specific to the practice of surgical technology and preparation for the LCC-ST certification examination. Upon completion of this course, the student will be able to demonstrate readiness to take the certification examination.

SUR 107 SURGICAL ANATOMY AND PATHOPHYSIOLOGY (3T) 3 credits
PREREQUISITES: Admission to the program and/or as required by the department

This course is an overview of surgical anatomy and pathophysiology. Emphasis is placed on the organization structure of the body, organ systems, relevant surgical pathophysiology, and related medical terminology. Upon completion, the student should be able to apply knowledge of anatomy in the clinical environment.

THEATRE (THR)

THR 113, THEATRE WORKSHOP 114, 115 I, II, III (2T) 2 credits each

These courses provide practical experience in the production and performance of a dramatic presentation with assignments in scenery, lighting, props, choreography, sound, costumes, make-up, publicity, acting, directing, and other aspects of theatre production.

THR 120 THEATRE APPRECIATION (3T) 3 credits
This course is designed to increase appreciation of contemporary theatre. Emphasis is given to the theatre as an art form through the study of the history and theory of drama and the contributions of playwright, actor, director, designer, and technician to modern media. Attendance at theatre productions is required. **(Offered as a telecourse.)**

THR 126 INTRODUCTION TO THE THEATRE (3T) 3 credits
This course is designed to teach the history of the theatre and the principles of drama. It also covers the development of theatre production and the study of selected plays as theatrical presentations.

THR 131 ACTING TECHNIQUES I (3T) 3 credits
This is the first of a two-course sequence in which the student will focus on the development of the body and voice as the performing instruments in acting. Emphasis is placed on pantomime, improvisation, acting exercises, and building characterizations in short acting scenes. Students will participate in a theatre production.

THR 132 ACTING TECHNIQUES II (3T) 3 credits
PREREQUISITE: THR 131
This course is a continuation of THR 131. Students will participate in a theatre production.

THR 141 VOICE AND SPEECH FOR THE PERFORMER (3T) 3 credits
This is a beginning course in the effective and health use of the vocal Instrument for performance. It is designed to approach both the physical and mental processes of vocal production and includes the following: learning a physical/vocal warm-up, dialect reduction, articulation, class performance and written exams.

VISUAL COMMUNICATIONS (VCM)

CAT 182 3D GRAPHICS AND ANIMATION (1T, 2E, 3M) 3 credits
PREREQUISITE: ART 221
This course is designed to tap the imagination of the student in a three-dimensional problem solving environment. Topics include a basic introduction to the concepts of 3D design and animation as applied to a design project. Upon completion, students should be able to create and animate objects in a three-dimensional environment.

VCM 131 COMPUTER PUBLISHING GRAPHICS (2T, 2E) 3 credits
This course is designed to acquaint the student with basic publishing software. The emphasis will be on basic layout and graphics. Upon course completion, the student should be able to produce graphics work in a format suitable for publication.

VCM 145 INTRODUCTION TO DIGITAL PHOTOGRAPHY (3T) 3 credits
PREREQUISITE: VCM 232 or Permission of instructor
This course is an introduction to digital photography. Emphasis is placed on aesthetic as well as technical aspects of photography. Upon completion, the student should understand quality in photography and be able to apply the techniques necessary to produce professional photographs.

VCM 146 DIGITAL PHOTOGRAPHY (3T) 3 credits
PREREQUISITE: VCM 232 or Permission of instructor
This course explores various uses of digital photography. Subjects may include studio, portrait, landscape and other

areas of photography. Upon completion, the student should be able to apply the techniques necessary to produce professional photographs of a variety of subjects.

Upon completion, students should be able to prepare artwork for printing.

VCM 150 TYPOGRAPHY (2T, 2E) 3 credits
PREREQUISITE: ART 221

This course is an introduction to designing and using type. Emphasis is on typographic techniques used in layout and graphic design. Upon completion, the student should be able to view type as a design element.

VCM 254 GRAPHIC DESIGN (2T, 2E) 3 credits

This course focuses on graphic design. Emphasis is on the creative process and the projection process. Upon completion, students should be able to produce high quality graphic designs.

VCM 171 GRAPHICS SOFTWARE APPLICATIONS (3T) 3 credits

This course is an introduction to graphics software packages. Students are given a basic overview of the software as applied to specific production problems. Upon completion, the student should be able to produce basic graphics using applicable software. This course may be repeated for credit.

VCM 255 ADVANCED GRAPHIC DESIGN (2T, 2E) 3 credits

This course focuses on graphic communications. Emphasis is on application of design principles to projects involving such skills as illustration, layout, typography, computer graphics, and production technology. Upon completion, students should be able to apply graphic design principles and production skills.

VCM 180 INTRODUCTION TO GRAPHIC DESIGN (2T, 2E) 3 credits

This course is an introduction to the various elements of graphic design. Emphasis is on aspects of production design including layout, typography, graphic photography, computer graphics and printing techniques. Upon completion, students should have a basic understanding of the graphics process from concept through production.

VCM 270 SUPERVISED STUDY IN GRAPHICS (6E) 3 credits

PREREQUISITE: All studio courses offered in the selected area of study and Permission of instructor

This course is designed to enable the student to continue studio experiences in greater depth. Areas of study are chosen by the student, with the approval of the instructor. This course will result in a better understanding of various aspects of graphics. This course may be repeated for credit.

VCM 181 SPECIAL TOPICS (0-3T, 0-6E, 0-9M) 1-3 credits

This course allows for specialized, in-depth study. Emphasis is placed on individualized instruction.

VCM 273 SUPERVISED STUDY IN COMPUTER GRAPHICS (6E) 3 credits

PREREQUISITE: All studio courses offered in the selected areas of study and Permission of instructor

This course is designed to enable the student to continue studying computer graphics in greater depth. Areas of study will be chosen by the student, with the approval of the instructor. This course will result in a better understanding of various aspects of computer graphics. This course may be repeated for credit.

VCM 232 ADVANCED COMPUTER GRAPHICS (2T, 2E) 3 credits

This course is designed to acquaint the student with computer graphics. Topics include illustration and image manipulation. Upon completion, students should be able to apply design principles to computer graphics.

VCM 250 INTRODUCTION TO TECHNICAL ILLUSTRATION (2T, 2E) 3 credits

PREREQUISITE: ART 221 or Permission of instructor

This course is a study of technical drawings prepared for industry. Topics include perspective and axonometric drawing. Upon completion, students should be able to apply basic drawing and design principles to technical drawings.

VCM 281 DIGITAL DESIGN (3T) 3 credits

PREREQUISITE: ART 221 and VCM 232 or Permission of instructor

This course focuses on products for digital media. Emphasis is on creativity and an understanding of software and production. Upon completion, the student should be able to apply creative design and production skills to finished projects.

VCM 251 TECHNICAL ILLUSTRATION (2T, 2E) 3 credits

PREREQUISITE: VCM 250

This course focuses on renderings prepared for industry. Various techniques are used to illustrate charts, graphs, perspective and axonometric drawings and enhanced assembly views. Upon completion, students should be able to apply design principles to technical drawings and highly creative drawings using technical skills.

VCM 282 ADVANCED DIGITAL DESIGN (3T) 3 credits

PREREQUISITE: ART 221 and VCM 232 or Permission of instructor

This course focuses on advanced applications in the production of digital design. Emphasis is on computer skills, creativity & design. Upon course completion, students should be able to apply production techniques to various media.

VCM 253 GRAPHIC DESIGN BASICS (2T, 2E) 3 credits

This course focuses on the basic principles of graphic design. Emphasis is on design, layout, and production.

VCM 285 MULTIMEDIA PRODUCTION (3T) 3 credits

PREREQUISITE: ART 221 and VCM 232 or Permission of instructor

This course introduces the student to multimedia production. Emphasis is on production design, creativity, visual

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design, and technical skills. Upon course completion, students should be able to create a multimedia production.

VCM 286 ADVANCED MULTIMEDIA PRODUCTION

(3T)

3 credits

PREREQUISITE: VCM 285 or Permission of instructor

This course focuses on advanced multimedia production. Emphasis is on comprehensive interactive multimedia production. Upon course completion, students should be able to apply creative design and production skills to finished interactive projects. Problems will include comprehensive interactive multimedia production. The student will apply creative design and production skills to finished interactive projects.

VCM 287 SPECIAL TOPICS (0-3T, 0-6E, 0-9M)

1-3 credits

This course allows for specialized, in-depth study. Emphasis is placed on individualized instruction.

VCM 289 PORTFOLIO (2E)

1 credit

PREREQUISITE: Permission of instructor

This course is designed to assist students in the preparation and presentation of a portfolio. This portfolio is developed with faculty consultation and reflects the students' ability to produce professional design and graphics.

WORKPLACE SKILLS ENHANCEMENT (WKO)

WKO 107 WORKPLACE SKILLS PREPARATION (2E)

1 credit

This course utilizes computer based instructional modules which are designed to access and develop skills necessary for workplace success. The instructional modules in the course include applied mathematics, applied technology, reading for information, and locating information. Upon completion of this course, students will be assessed to determine if their knowledge of the subject areas has improved.