The subject matter of Developmental Psychology is the human life cycle, the prenatal and newborn periods, infancy, childhood (early and late), adolescence, and adulthood. This branch of psychology explores the ways in which human physical growth and intellectual and social behavior change over time.

**PSYC 202 (2091) Psychology of Adjustment**  
Placement Test Level: General Education Course Placement*  
Prerequisite: PSYC 101 General Psychology  
Credit Hours: 3  
Psychology of Adjustment is designed to provide a basic understanding and practical application of the psychological principles and concepts that are most relevant to the student as an individual, and as an individual in society. The student will be encouraged to apply these concepts to their life and to develop a fuller understanding of themselves, and their personal and social relationships. Students will look at the theory of adjustment, personal learning style, lifespan influences, managing stress and wellness, social relationships, work and leisure including aspects of solitude. This is an interactive, writing intensive course which requires written assignments as well as personal and group interaction as a major strategy of learning. The objective of this course is to promote psychological adjustment and mental health by personally relating to the psychological principles and studies presented. Please be aware that personal discussions and open sharing is expected from each student during this class. You will be provided with an ethical contract to maintain confidentiality and professionalism in this course. Each student is viewed as a Learner/Peer/Teacher. Your contributions are valued and are expected as a standard in this class.

**Radiography**

**RADI 101 (5233) Introduction to Radiography, Ethics and Law**  
Prerequisite: Acceptance into Radiography Program  
Credit Hours: 2  
Introduction to historical review of health care with emphasis on Radiologic technology. Principles of radiography, radiation protection, ethics, and law will be presented. A two week clinical orientation is also incorporated into this course.

**RADI 103 (5234) Radiographic Procedures I**  
Prerequisite: Acceptance into Radiography Program  
Credit Hours: 1  
Content is designed to provide the knowledge base necessary to perform standard imaging procedures, including special studies. Consideration is given to the evaluation of optimal diagnostic images. In this course the radiographic positioning and anatomy of the chest and abdomen will be covered.

**RADI 104 (5235) Radiographic Procedures II**  
Prerequisite: RADI 103 Radiographic Procedures I  
Credit Hours: 3  
Content is designed to provide the knowledge base necessary to perform standard imaging procedures, including special studies. Consideration is given to the evaluation of optimal diagnostic images. In this course the anatomy and positioning of the following body parts will be covered: the upper extremity, shoulder girdle, lower extremity, pelvic girdle, bony thorax, and the spine.

**RADI 105 (5236) Radiographic Procedures III**  
Prerequisite: RADI 104 Radiographic Procedures II  
Credit Hours: 3  
Content is designed to provide the knowledge base necessary to perform standard imaging procedures, including special studies. Consideration is given to the evaluation of optimal diagnostic images. In this course radiographic positioning of the skull and special radiographic procedures will be included. Surgical, Mobile, Trauma, and Pediatric Radiographic techniques will also be covered.

**RADI 107 (5237) Radiographic Imaging I**  
Prerequisite: Acceptance into Radiography Program  
Credit Hours: 1  
Introduction to clinical radiography including radiographic equipment design and use, radiation protection, image acquisition, and image processing.

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*Refer to the Placement Testing Procedure 3.22, page 24  ** Refer to Course Transfer, page 18
RADI 109 (5237) Patient Care in Radiography I  
Prerequisite: Acceptance into Radiography Program  
Credit Hours: 2  
Introduction to the care of patients while in the radiology department. Topics include: Body Mechanics, Patient Transfer, Patient Assessment, and Infection control.

RADI 113 (5240) Simulations in Radiography I  
Prerequisite: RADI 103 Radiographic Procedures I  
Credit Hours: 1  
Laboratory study of the radiographic procedures used to visualize the anatomical structures of upper and lower chest, abdomen, and contrast studies. Laboratory setting once a week.

RADI 115 (5472) Patient Care in Radiography II  
Prerequisite: RADI 109 Patient Care in Radiography I  
Credit Hours: 3  
This course is a continuation of Patient Care with the addition of the basic concepts of pharmacology. Vital signs, medical emergencies, and the administration of contrast media and contrast studies will be covered.

RADI 117 (5239) Radiographic Imaging II  
Prerequisite: RADI 107 Radiographic Imaging I  
Credit Hours: 3  
Content is designed to establish a knowledge base in factors that govern the image production process. Image quality and technical factors will be discussed in detail.

RADI 119 (5286) Clinical Training I  
Prerequisite: RADI 103 Radiographic Procedures I  
Credit Hours: 3  
This portion of clinical training is used to acquaint the learner with the organization and function of health care facilities. In addition, the learner will observe and assist a practicing radiographer to appreciate both the ethical and technical responsibilities associated with radiologic technology. 24 hours a week for 15 weeks.

RADI 120 (5370) Clinical Training II  
Prerequisite: RADI 119 Clinical Training I  
Credit Hours: 3  
This portion of clinical training encompasses major radiographic equipment, room maintenance and preparation, principles of record keeping, proper patient handling. The learner should be making the transition from the passive mode of observation to a more active mode of assisting the radiographer perform examinations of the chest, abdomen, extremities, and contrast studies. 24 hours per week for 15 weeks.

RADI 125 (5103) Principles of Radiation Physics and Equipment Operation  
Prerequisite: RADI 117 Radiographic Imaging I  
Credit Hours: 3  
A basic knowledge of atomic structure and terminology. Also presented are the nature and characteristics of radiation, x-ray production, and the fundamentals of photon interactions with matter.

RADI 127 (5268) Introduction to Computed Tomography & Cross Sectional Anatomy  
Prerequisite: RADI 104 Radiographic Procedures II  
Credit Hours: 2  
This course explores the basic computed tomography concepts for the entry level radiographer.

RADI 201 (5248) Imaging Modalities  
Prerequisite: RADI 105 Radiographic Procedures III  
Credit Hours: 3

*Refer to the Placement Testing Procedure 3.22, page 24  ** Refer to Course Transfer, page 18
This course encompasses the concepts and applications within advanced modality areas of radiology, including: Magnetic Resonance Imaging, Mammography, Bone Densitometry, Ultrasound, Nuclear Medicine, PET, Radiation Therapy, and Angiography.

**RADI 203 (5371) Clinical Training III**  
Prerequisite: RADI 120 Clinical Training II  
Credit Hours: 3  
During this portion of clinical training, the learner investigates fluoroscopic equipment and procedural duties. In addition, the learner will be introduced to the responsibilities and principles of scheduling patients for radiographic examinations. The learner should now be assisting with all radiographic examinations, and should be making the transition from a passive mode to a more active mode. Students will change clinical sites in July. 32 hours per week for 8 weeks.

**RADI 204 (5372) Clinical Training IV**  
Prerequisite: RADI 149 Clinical Training III  
Credit Hours: 3  
Emphasis is placed on skull radiography, trauma radiography, body section, mobile and surgical radiography, pediatric radiography, and computed tomography procedures. Quality Assurance procedures will also be performed. 24 hours per week for 15 weeks.

**RADI 205 (5373) Clinical Training V**  
Prerequisite: RADI 204 Clinical Training IV  
Credit Hours: 3  
Emphasis is placed on trauma, special procedure radiography, and CT procedures. In addition the learner will be required to successfully complete the remaining category competency evaluations. 24 hours per week for 15 weeks.

**RADI 207 (5104) Radiographic Imaging III**  
Prerequisite: RADI 117 Radiographic Imaging II  
Credit Hours: 3  
Content is designed to impart an understanding of the components, principles and operation of digital imaging systems found in diagnostic radiography. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-base and digital imaging systems. Principles of digital system quality assurance and maintenance are presented.

**RADI 211 (5107) Computed Tomography Procedures**  
Prerequisite: RADI 127 Introduction to CT and Cross Sectional Anatomy  
Credit Hours: 2  
Studies the positional and functional relationships of body structures, with an emphasis on their appearances as seen with Computed Tomography (CT) scanning.

**RADI 213 (5247) Radiographic Pathophysiology**  
Prerequisite: Entrance into sophomore year of Radiography Program  
Credit Hours: 2  
Study of pathologies and their effects on the anatomy, physiology, and radiography of the human body.

**RADI 214 (5229) Simulations in Radiography II**  
Prerequisite: RADI 113 Simulations in Radiology I  
Credit Hours: 1  
Laboratory study of the radiographic procedures used to visualize the anatomical structures of the scapula, pelvic girdle, bony thorax, spine, and head.

**RADI 217 (5241) Radiation Protection I**  
Prerequisite: RADI 125 Principles of Physics & Equipment Operation  
Credit Hours: 2  
The study of the biological effects of radiation and patient protection. Also included are radiation monitoring and occupational exposure and protection.

*Refer to the Placement Testing Procedure 3.22, page 24  ** Refer to Course Transfer, page 18

A Great Place to begin your College Education
RADI 218  Radiation Protection II  
Prerequisite: RADI 217  Radiation Protection I  
Credit Hours:  2  
The study of the biological effects of radiation and patient protection. Also included are radiation monitoring and occupational exposure and protection.

RADI 219 (5105)  Image Analysis  
Prerequisite: Entrance into Sophomore year of Radiography Program  
Credit Hours:  2  
Will provide a basis for analyzing radiographic images. Including the importance of imaging standards, discussion of a problem-solving technique for image evaluation and factors that can affect image quality.

RADI 221 (5266)  Radiography Comprehensive Review  
Prerequisite: Completion of all Radiography courses to date  
Credit Hours:  2  
Group discussion on current topics in radiologic technology. Review of the principles of radiography and their application to the ARRT examination. Mock registry exams on the computer.

RADI 223 (5106)  Critical Thinking and Analysis in Radiography  
Prerequisite: Entrance into sophomore year of Radiography Program  
Credit Hours:  3  
Comprehensive review course with emphasis on critical thinking, problem analysis, and solution judgment skills. Includes group sessions for scenario development.

Religion

RELI 101 (1510)  Comparative World Religions  
Placement Test Level: General Education Course Placement*  
Prerequisite: None  
Credit Hours:  3  
This course examines different religions and their history, practices, and beliefs.

RELI 103 (1512)  Old Testament Survey (IO)  
Placement Test Level: General Education Course Placement*  
Prerequisite: None  
Credit Hours:  3  
A general survey of the people and customs in Old Testament times, places, and periods of history, along with the study of the literary structure of the Old Testament.

RELI 105 (1564)  New Testament Survey  
Placement Test Level: General Education Course Placement*  
Prerequisite: None  
Credit Hours:  3  
An introduction to the New Testament and other early Christian literature in their historical and cultural context.

Respiratory Therapy

RESP 101  Fundamentals of Respiratory Care I  
Prerequisite: Admission into the Respiratory Therapy Program  
Credit Hours:  3  
This course provides instruction in basic gas physics and basic Respiratory Therapy. Included is a section on microbiology, patient assessment and professionalism.

*Refer to the Placement Testing Procedure 3.22, page 24  ** Refer to Course Transfer, page 18