Course Information Form (CIF)

Course Code: XRA 110

Course Title: Basic Clinical Skills

Department: Allied Health
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 51.0907
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 1-4-3
Credit Hour Distribution:

Lecture: 1	Lab: 4	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Orientation to the Radiologic Technology program and clinical affiliates, history of x-radiation, basic x-ray protection, and medical terminology.

General Course Objectives

Orientation to the Radiologic Technology program and clinical affiliates, history of x-radiation, basic x-ray protection, and medical terminology.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 099	Placement out of MAT 072

Prerequisites

Admission into the Radiologic Technology program

Methods of Evaluation

1-2 objective exams including the final exam, 6-8 weekly online assignments, and 6-8 in-class exercises.

Instructional Materials and Additional Supplies

Merrill's Atlas of Radiographic Positions and Procedures Volume I, Current edition, Frank, E., Long, B. and Smith, B. Elsevier. 9780323833318
(1) Scrub top - $25; (2) Scrub bottom - $25; (3) Parkland HP patch - $3.

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.
- Global Awareness and Cultural Reasoning: Students will demonstrate their understanding of global issues, gender and sexual orientation, and multicultural perspectives.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Orientation	1. Identify patient care areas within radiology and other departments within the larger facility. 2. Demonstrate knowledge of hospital policies and procedures including HIPAA through testing modules and discuss the consequences for non-compliance.	2	50	0
Medical Terminology	1. Demonstrate knowledge of medical terminology through weekly online testing modules and explain a radiology procedure using medical terminology. 2. Rewrite patient history from layman's terms to medical terminology for common radiology exams.	10	0	0
Ethics and Professionalism	1. Discuss medical ethics and professionalism. 2. Differentiate between professional and unprofessional behavior in patient care.	1	0	0
Radiation Protection and Safety	1. Define basic radiation protection procedures to reduce patient dose and minimize occupational exposure. 2. Illustrate the proper sequence to verify correct patient identification and possibility of pregnancy.	1	0	0
Physics and Exposure Factors	1. List the four primary exposures needed to produce an x-ray. 2. Manipulate the x-ray tube into position for an upright image and supine image.	1	10	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	60	0