

**SOUTHEAST COMMUNITY COLLEGE**  
**HEALTH SCIENCES DIVISION**  
**RADIOLOGIC TECHNOLOGY**  
Revision Date: 10/2025

**I. CATALOG DESCRIPTION**

**Course Number:** RADT 1125  
**Course Title:** Imaging Procedures 2 with Lab  
**Prerequisite(s):** RADT1115

**Catalog Description:** Radiographic Terminology. Anatomy, positioning, basic pathology, and analyzing radiographic images of the abdomen with and without contrast media, ribs and bony thorax, skull, facial bones and sinuses. Critical thinking and imaging of trauma, mobile, surgery, pediatrics and other advanced radiographic procedures. Optimal imaging standards, problem-solving technique and image quality factors will be addressed.

**Credit Hours:** 3.5  
**Class Hours:** 38  
**Lab Hours:** 45  
**Total Contact Hours:** 83

**II. COURSE OBJECTIVES: *Course will:***

1. Provide students with medical terminology to apply in the clinical environment, to accurately provide physicians appropriate clinical history.
2. Prepare the student to perform common procedures in radiologic technology, involving the use of contrast media, equipment used, possible reactions to contrast media, and review of the anatomy of the systems being examined.
3. Prepare the student to properly position the body for common radiographic procedures used to demonstrate the spine, ribs and bony thorax, skull, facial bones, sinuses, trauma, mobile radiography, pediatrics and other advanced procedures.
4. Prepare students to demonstrate competency in all aspects of the spine, ribs and bony thorax, skull, facial bones, sinuses, trauma, mobile radiography, pediatrics and other advanced procedures, according to ARRT requirements.
5. Prepare students to perform non-routine radiographic exams as clinical situations determine.
6. Prepare the student to perform image analysis, to determine if selected radiographs violate established criteria.
7. Prepare students to determine causes and corrections for images that are suboptimal or repeatable.
8. Identify anatomy seen on radiographic images.

**Note:** Unit objectives are located in the learning management system within each unit of study.

**III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:**

**A. STUDENT LEARNING OUTCOMES: *The student will be able to:***

1. Identify anatomy associated with the specific radiographic routines performed.
2. Understand how improper positioning will affect the appearance of anatomy radiographically.
3. Correctly acquire clinical data to aid the radiologist in diagnosis of the patient.
4. Identify types of contrast media used and how they appear radiographically.
5. Identify routine and non-routine radiographic positions.
6. Correlate didactic material to properly position patients in the lab settings.

7. Perform radiographic procedures on patients in the clinical environment.
8. Identify radiographic images that are optimal, suboptimal and repeatable.
9. Define steps to correct suboptimal and repeatable images.
10. Identify anatomical structures seen on routine radiographic images

**B. GENERAL EDUCATION LEARNING OUTCOMES**

**1. GELO 3: Critical Thinking & Problem Solving**

Outcome: Synthesize information to arrive at reasoned solutions to problems.

**IV. CONTENT/TOPICAL OUTLINE** (*course outline may provide more detailed information*)

**A. Abdomen (with & without contrast)**

1. Terminology
2. Anatomy
3. Pathologies
4. Contrast Procedures

**B. Ribs and Bony Thorax**

1. Terminology
2. Anatomy
3. Pathologies
4. Positioning

**C. Skull**

1. Terminology
2. Anatomy
3. Pathologies
4. Positioning

**D. Facial Bones & Sinuses**

1. Terminology
2. Anatomy
3. Pathologies
4. Positioning

**E. Trauma, Mobile & Surgery**

1. Terminology
2. Anatomy
3. Pathologies
4. Positioning

**F. Pediatrics**

1. Terminology
2. Anatomy
3. Pathologies
4. Positioning

**G. Advanced Radiographic Procedures**

1. Terminology
2. Anatomy
3. Pathologies
4. Procedures
5. Positioning

**H. Basic Steps to Radiographic Analysis**

1. Abdomen Analysis (with Contrast – GI System & Urinary System)
2. Bony Thorax and Ribs Analysis
3. Skull Analysis
4. Facial Bone Analysis
5. Mandible, TMJ, & Sinus Analysis

## **V. INSTRUCTIONAL MATERIALS REQUIRED**

### **A. Required Text(s):**

Lampignano, John P., Kendrick, Leslie E. *Radiographic Positioning and Related Anatomy*. Elsevier, latest edition.

Lampignano, John P., Kendrick, Leslie E. *Radiographic Positioning and Related Anatomy* Workbook. Elsevier, latest edition.

## **VI. METHODS OF PRESENTATION/INSTRUCTION**

### **A. Methods of presentation typically include a combination of the following:**

1. Lecture
2. Lab
3. Demonstration
4. Handout Materials
5. Worksheets
6. Class Participation/Presentations
7. Power Point slides and videos
8. Online quizzing/pretests
9. Games may be used to augment some of the units.

## **VII. METHODS OF EVALUATION**

### **A. Please see course CID for methods of evaluation.**

#### **SCC STANDARD GRADING SCALE POLICY:**

|           |               |           |                 |
|-----------|---------------|-----------|-----------------|
| <b>A+</b> | <b>95-100</b> | <b>C+</b> | <b>75-79</b>    |
| <b>A</b>  | <b>90-94</b>  | <b>C</b>  | <b>70-74</b>    |
| <b>B+</b> | <b>85-89</b>  | <b>D+</b> | <b>65-69</b>    |
| <b>B</b>  | <b>80-84</b>  | <b>D</b>  | <b>60-64</b>    |
|           |               | <b>F</b>  | <b>Below 60</b> |

## **VIII. SPECIFIC COURSE REQUIREMENTS**

- A.** Attendance is crucial to the success of this course. Any class missed could mean valuable missed information, which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late. Excessive absences may result in failing the course.
- B.** Must pass all program courses with a 75% (C+) to progress to the next term.
- C.** Lab checkouts must be passed with an 85% (B+) or higher.

See Course Information Document for course policies related to grading, expectations, assignments, assessments, and participation.