

SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
RADIOLOGIC TECHNOLOGY
Revision Date: 11/2023

I. CATALOG DESCRIPTION

Course Number: RADT 1149
Course Title: Clinical Education 4
Prerequisite(s): RADT 1139

Catalog Description: Clinical practice and patient care with less assistance to foster increased proficiency. Rotating shifts, site assignments, and option for advanced modality rotations. Performance of venipuncture, vital signs, and sterile technique. Competency evaluations of advanced chest and abdomen exams, upper extremity, lower extremity, lower extremity, spine, bony thorax, cranial, pediatric, trauma, mobile, advanced GI and GU contrast procedures, and surgery exams.

Credit Hours: 5
Clinical Hours: 225
Lab Hours: 0
Total Contact Hours: 225

II. COURSE OBJECTIVES: *Course will:*

1. Advance student performance at all assigned clinical sites.
2. Prepare the student to perform advanced fluoroscopic, surgical, and radiographic procedures.
3. Prepare student to demonstrate competency and proficiency in routine and advanced radiographic procedures.

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: *Student will be able to:*

1. Apply patient care skills to ensure the well-being of the patient.
2. Demonstrate knowledge and application of routine radiographic procedures.
3. Relate classroom theory to advanced radiographic procedures.
4. Understand the importance of rotating shifts, site assignments, and rotations to various clinical facilities

B. GENERAL EDUCATION LEARNING OUTCOMES (GELOS)

GELO #5: Analytical, Quantitative, and Scientific Reasoning

Outcomes:

Understand and create logical arguments supported by quantitative and scientific evidence and communicate those arguments in a variety of formats.

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

A. ORIENTATION

1. Clinical Site
2. Radiology Department

B. FLUOROSCOPY

1. Equipment Operation
2. Assist Technologist
3. Perform Routine and Advanced Procedures

C. GENERAL RADIOGRAPHY

1. Equipment Operation
2. Assist Technologist
3. Perform Routine Procedures

D. PORTABLE RADIOGRAPHY

1. Equipment Operation
2. Assist Technologist
3. Perform Routine and Advanced Procedures

E. SURGERY

1. Surgical Dress
2. Routine Procedures
3. Aseptic Techniques
4. Manipulation of Equipment
5. Performance of Exams

F. OFFICE

1. Requisitions
2. Computer Functions
3. Phone Etiquette

G. DIGITAL RADIOGRAPHY

1. Technical Aspects
2. Applications

H. EXPERIENCE

1. Fluoroscopy Procedures
2. C-arm Procedures
3. Preparing and Injecting Contrast Media
4. Enema Administration
5. Weekend and Evening Rotations
6. Clinic Rotations (where available)
7. Modality Rotations

I. ROTATIONS

1. Office
2. Surgery
3. Routine Procedures
4. Equipment
5. Other

J. MODALITIES

1. Interventional Radiographic Procedures
2. Other Clinical Site Rotation
3. Computed Tomography
4. Nuclear Medicine
5. Sonography (general, echo, vascular)
6. Radiation Therapy
7. Orthopedic Procedures
8. Magnetic Resonance Imaging
9. Cardiovascular Lab
10. Mammography/DEXA

K. PATIENT CARE

1. Taking Clinical Data

2. Ensure Patient Comfort and Modesty
3. HIPAA

L. IMAGE EVALUATION

1. Chest
2. Proximal and Distal Upper Extremity
3. Shoulder Girdle
4. Proximal and Distal Lower Extremity
5. Pelvis/Hip
6. Femur
7. KUB
8. Upper and Lower GI Contrast Studies
9. Urinary/Nephro Contrast Studies
10. Bony Thorax and Ribs
11. Skull
12. Spine
13. Facial Bones
14. Sinus
15. Trauma and Mobile Imaging
16. Pediatric Imaging
17. Special Radiographic Procedures

M. PROFESSIONALISM

1. Attire
2. Attendance
3. Attitude

N. GENERAL REQUIREMENTS FOR FOURTH TERM

1. Department Procedure and Policy Manual
2. Portable Radiography
3. C-Arm Procedures and Manipulation
4. Written Assignments
5. Tomo/Panorex
6. Daily Clinical Log
7. Venipuncture (competency signoffs must be completed by end of Clinical 5)
8. Attend Professional Requirements
9. Skills Assessment
10. Sterile Technique Setup

V. INSTRUCTIONAL MATERIALS

Required Text(s):

Faculty authored Student Handbook
ARRT Competency Documentation Booklet

VI. METHODS OF PRESENTATION/INSTRUCTION

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

1. Clinical observation
2. Instruction
3. Directed independent research

VII. METHODS OF EVALUATION

A. Please see course CID for methods of evaluation.

SCC STANDARD GRADING SCALE POLICY:

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

VIII. SPECIFIC COURSE REQUIREMENTS

- A. ATTENDANCE:** 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 clinical instructor of any pending absences or if you will be late. Excessive absences could result in failing the course.
- B.** Must pass all program courses with a 75% to progress to the next term.
- C.** Must have minimum competency of 85% in radiographic procedures.
- D.** Adhere to all program and clinical site policies.

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