

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

I. CATALOG DESCRIPTION

Course Number: RADT 1139
Course Title: Clinical Education 3
Prerequisite(s):

Catalog Description: Supervised clinical practice and patient care. Rotating shifts and site assignments. Performance of venipuncture, vital signs, and sterile technique. Option for modality rotation. Competency evaluation of exams including routine chest, upper limb, lower limb, abdomen, urinary system contrast studies, surgery, mobile exams, contrast and GI imaging, spine, bony thorax and ribs, and cranial, pediatrics, and advanced contrast procedures.

Credit Hours: 3.5
Clinical Hours: 158
Lab Hours: 0
Total Contact Hours: 158

II. COURSE OBJECTIVES: *Course will:*

1. Prepare students to demonstrate competency and proficiency in radiographic procedures.
2. Prescribe increased student participation in the clinical arena.
3. Employ student operation of fluoroscopic and radiographic equipment at a higher level of application.

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. Correlate radiographic fundamentals of patient care, safety, radiation exposure, etc. to the clinical site.
2. Understand contrast and mobile imaging and apply to clinical procedures.
3. Correlate lab with clinical application of radiographic exams of the human body.
4. Relate classroom theory to radiographic exposure and imaging.

B. GENERAL EDUCATION LEARNING OUTCOMES (GELOS)

GELO #2: Written Communication Outcomes:

Develop a focused thesis statement and write with a clear purpose, using relevant examples, claims, and evidence.
Read and write in mechanically sound, college-level English.

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)

I. ROTATIONS

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

J. PATIENT CARE

1. Taking Clinical Data
2. Ensure Patient Comfort and Modesty
3. HIPAA

K. 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

L. PROFESSIONALISM

1. Attire
2. Attendance
3. Attitude

M. GENERAL REQUIREMENTS FOR THIRD 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
8. Attend Professional Requirements
9. Clinical Test

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 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.