

SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
RADIOLOGIC TECHNOLOGY
Revision Date: 8/2023

I. CATALOG DESCRIPTION

Course Number: RADT 1119
Course Title Clinical Education 1
Prerequisite(s): Program Admission

Catalog Description: Adaptation to the hospital environment and supervised clinical practice. Rotating shifts and assignments. Correlation of classroom theory with performance of basic radiographic procedures. Performance of venipuncture and vital signs. Active participation in radiology department's radiographic and fluoroscopic rooms with radiation safety practices. Competency evaluation of routine exams of the chest, upper extremity, shoulder girdle, lower extremity, pelvis, KUB. Introduction to GI and GU contrast studies.

Credit Hours: 4
Clinical Hours: 180
Lab Hours: 0
Total Contact Hours: 180

II. COURSE OBJECTIVES: *Course will:*

1. Orient students to the clinical site
2. Orient students to operation of radiographic and fluoroscopic rooms.
3. Prepare students to demonstrate competency and proficiency in radiographic procedures.
4. Prescribe increased student participation in the clinical arena
5. Employ student operation of fluoroscopic and radiographic equipment at higher levels of application after proving competency in lab exams.

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 learned theory with radiographic exams.
2. Perform basic patient care at the clinical site.
3. Implement radiation safety guidelines to clinical patients and personnel.

B. GENERAL EDUCATION LEARNING OUTCOMES (GELOS)

1. GELO #3: Critical Thinking and Problem-Solving Outcomes:

- #1 Collect, identify, interpret, and analyze data

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 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 Procedures

E. SURGERY

1. Tour
2. Surgical Dress
3. Routine Procedures
4. Aseptic Techniques

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. Transport
2. Office
3. Surgery
4. Routine Procedures
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

L. PROFESSIONALISM

1. Attire
2. Attendance
3. Attitude

M. GENERAL REQUIREMENTS FOR FIRST TERM

1. Department Procedure and Policy Manual
2. Portable Radiography
3. C-Arm Procedures and Manipulation
4. Equipment Worksheets
5. Tomo/Panorex
6. Daily Clinical Log
7. Venipuncture
8. Attend Professional Requirements
9. Clinical Test

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s):** Faculty authored Student Handbook
- B.** 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.