

**RADT 71E Course Outline as of Fall 2024****CATALOG INFORMATION**

Dept and Nbr: RADT 71E      Title: CLINICAL EXPERIENCE 5  
 Full Title: Clinical Experience 5  
 Last Reviewed: 9/25/2023

| Units   | Course Hours per Week |                   | Nbr of Weeks |      | Course Hours Total |        |
|---------|-----------------------|-------------------|--------------|------|--------------------|--------|
| Maximum | 8.50                  | Lecture Scheduled | 0            | 17.5 | Lecture Scheduled  | 0      |
| Minimum | 8.50                  | Lab Scheduled     | 0            | 17.5 | Lab Scheduled      | 0      |
|         |                       | Contact DHR       | 26.00        |      | Contact DHR        | 455.00 |
|         |                       | Contact Total     | 26.00        |      | Contact Total      | 455.00 |
|         |                       | Non-contact DHR   | 0            |      | Non-contact DHR    | 0      |

Total Out of Class Hours: 0.00

Total Student Learning Hours: 455.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

This is the fifth of six clinical course for students in the Radiologic Technology Program. Advanced principles and skills are applied in the care of patients in assigned radiology departments under the direct and indirect supervision of a registered radiologic technologist for the completion of required clinical hours.

**Prerequisites/Corequisites:**

Course Completion of RADT 71D

**Recommended Preparation:****Limits on Enrollment:**

Acceptance to Program

**Schedule of Classes Information:**

Description: This is the fifth of six clinical course for students in the Radiologic Technology Program. Advanced principles and skills are applied in the care of patients in assigned radiology departments under the direct and indirect supervision of a registered radiologic technologist for the completion of required clinical hours. (Grade Only)

Prerequisites/Corequisites: Course Completion of RADT 71D

Recommended:

Limits on Enrollment: Acceptance to Program

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

|                   |                      |            |           |
|-------------------|----------------------|------------|-----------|
| <b>AS Degree:</b> | <b>Area</b>          | Effective: | Inactive: |
| <b>CSU GE:</b>    | <b>Transfer Area</b> | Effective: | Inactive: |

|               |                      |            |           |
|---------------|----------------------|------------|-----------|
| <b>IGETC:</b> | <b>Transfer Area</b> | Effective: | Inactive: |
|---------------|----------------------|------------|-----------|

|                      |              |            |           |           |
|----------------------|--------------|------------|-----------|-----------|
| <b>CSU Transfer:</b> | Transferable | Effective: | Fall 2016 | Inactive: |
|----------------------|--------------|------------|-----------|-----------|

|                     |  |            |  |           |
|---------------------|--|------------|--|-----------|
| <b>UC Transfer:</b> |  | Effective: |  | Inactive: |
|---------------------|--|------------|--|-----------|

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

**Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Use advanced skills to operate radiographic imaging equipment, and position patients to perform radiographic examinations and procedures with minimum radiation exposure for the patient, self, and others.

**Objectives:**

At the conclusion of this course, the student should be able to:

1. Apply theoretical knowledge base, including physiological, pathophysiological, psychological, and social concepts, in providing care.
2. Analyze patient care situations and apply appropriate care processes when gathering and assessing data related to patients' physical and mental conditions.
3. Analyze patient care situations and apply appropriate care processes when collaborating with the radiologic technologist and physicians for imaging purposes.
4. Communicate effectively in interactions with the health care team and with patients and their families.
5. Practice within the Radiologic Technologist Scope of Practice of professional and ethical standards.
6. Perform basic tasks expected of a radiologic technologist as a collaborating member of a multidisciplinary health care team.
7. Demonstrate critical thinking behaviors in planning and implementing patient care and imaging protocols.

**Topics and Scope:**

I. Orientation to Clinical Settings

A. Physical environment

B. Fire, safety, disaster protocols, emergency codes, equipment

- C. Policies and procedures
  - 1. Computer systems
    - a. Digital imaging
    - b. Health information system
  - 2. Documentation with regards to imaging procedures.
  - 3. Health Insurance and Portability Assurance Act (HIPAA).
- II. Assignment Procedures
  - A. Room schedule
  - B. Rotation details
- III. Preparation for Patient Care
- IV. Error Prevention
  - A. Image analysis
  - B. Critical thinking
  - C. Evaluation of image quality
- V. Code of Ethics
- VI. Patient Rights
- VII. Standard and Special Infection Control Procedures
- VIII. Physical Assessments of Individual Patients
  - A. Current medical problems
  - B. Potential complications
- IX. Recognizing and Supporting Patients' Coping Strategies
- X. Management of Imaging Procedures
  - A. Routines and protocols for procedures
  - B. Patient supervisions
  - C. Critical thinking and adaptation to patients' needs
- XI. Radiation Protection
  - A. Patients
  - B. Self
  - C. Others
  - D. As Low As Reasonably Achievable (ALARA)
- XII. Clinical Competencies
  - A. Eleven mandatory from prescribed list
  - B. Two elective from a prescribed list
- XIII. Basic Tasks of a Radiologic Technologist
  - A. Skill performance
  - B. Equipment use
  - C. Documentation

**Assignment:**

1. Completion of bi-weekly progress reports (8; not-graded)
2. Completion of performance exams for mandatory clinical competencies (9)
3. Completion of performance exams for elective competencies (3) to include fluoroscopy procedure (1)
4. Completion of required clinical hours (minimum of 455 hours)
5. Completion of a final clinical evaluation

**Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Final clinical evaluation

Problem solving  
10 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance exams; all clinical competencies

Skill Demonstrations  
50 - 60%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation; completion of clinical hours requirement

Other Category  
20 - 30%

**Representative Textbooks and Materials:**

SRJC Clinical Competency Handbook. Current edition.