

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

Dept and Nbr: RADT 71A Title: CLINICAL EXPERIENCE 1

Full Title: Clinical Experience 1

Last Reviewed: 9/25/2023

| Units   |      | Course Hours per Week |       | Nbr of Weeks | Course Hours Total |        |
|---------|------|-----------------------|-------|--------------|--------------------|--------|
| Maximum | 4.50 | Lecture Scheduled     | 0     | 17.5         | Lecture Scheduled  | 0      |
| Minimum | 4.50 | Lab Scheduled         | 0     | 17.5         | Lab Scheduled      | 0      |
|         |      | Contact DHR           | 14.00 |              | Contact DHR        | 245.00 |
|         |      | Contact Total         | 14.00 |              | Contact Total      | 245.00 |
|         |      | Non-contact DHR       | 0     |              | Non-contact DHR    | 0      |

Total Out of Class Hours: 0.00

Total Student Learning Hours: 245.00

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

**Prerequisites/Corequisites:**

Concurrent Enrollment in RADT 60, RADT 61A, RADT 64 and RADT 64L

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

Acceptance to Program

**Schedule of Classes Information:**

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

Prerequisites/Corequisites: Concurrent Enrollment in RADT 60, RADT 61A, RADT 64 and

RADT 64L

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. 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 assessing/gathering 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/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, and 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 to 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. Mandatory
      1. Chest
      2. Abdomen
    - B. Elective
  - XIII. Basic Tasks of a Radiologic Technologist
    - A. Skill performance
    - B. Equipment use
    - C. Documentation

**Assignment:**

1. Completion of bi-weekly progress reports (6-8; not graded)
2. Completion of performance exams for mandatory clinical competencies (3; including chest and abdomen)
3. Completion of clinical hours (minimum of 245 hours)
4. 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 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.

Clinical competencies

Problem solving  
10 - 30%

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

Performance exams; clinical competencies; final clinical evaluation

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 required clinical hours

Other Category  
20 - 30%

**Representative Textbooks and Materials:**

SRJC Clinical Competency Handbook. Current edition.