

RADT 71B Course Outline as of Fall 2024

CATALOG INFORMATION

Dept and Nbr: RADT 71B Title: CLINICAL EXPERIENCE 2
Full Title: Clinical Experience 2
Last Reviewed: 9/25/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	6.00	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	6.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	18.00		Contact DHR	315.00
		Contact Total	18.00		Contact Total	315.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 315.00

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 second of six clinical course for the 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:
Course Completion of RADT 71A

Recommended Preparation:

Limits on Enrollment:
Acceptance to Program

Schedule of Classes Information:
Description: This is the second of six clinical course for the 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: Course Completion of RADT 71A

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:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Fall 2016	Inactive:
UC Transfer:		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 including fluoroscopy and position patients to perform radiographic examinations and procedures with minimum radiation exposure for the patient, self, and others at an increased level of competency.

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 and gathering data related to patients' physical and mental conditions.
3. Analyze patient care situations and apply appropriate care processes when collaborating with radiologic technologists and physicians for imaging purposes.
4. Communicate effectively in interactions with the health care team, and with patients and their families.
5. Perform basic tasks expected of a radiologic technologist as a collaborating member of a multidisciplinary health care team.
6. 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 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 supervision
 - C. Routines and protocols for fluoroscopic procedures
- XI. Radiation Protection
 - A. Patients
 - B. Self
 - C. Others
 - D. As Low As Reasonably Achievable (ALARA)
- XII. Competencies
 - A. Five mandatory:
 - 1. Gastrointestinal or Barium Enema
 - 2. Spine, including sacrum and coccyx
 - 3. Ribs, Gallbladder, Upper Gastrointestinal (UGI),
 - B. Two elective
 - 1. Ribs
 - 2. UGI
 - 3. Cystogram
- 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 (5; to include the spine at any level)
- 3. Completion of performance exams for elective competencies (3) to include fluoroscopic study (1)
- 4. Completion of required clinical hours (minimum of 315 hours)
- 5. Completion of 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.