RADT 64L Course Outline as of Fall 2023

CATALOG INFORMATION

Dept and Nbr: RADT 64L Title: PATIENT CARE RAD LAB
Full Title: Patient Care in Radiology Laboratory
Last Reviewed: 5/8/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	2.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	4.00		Contact Total	70.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00 Total Student Learning Hours: 105.00

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:
Students will work in a laboratory demonstrating skills in a simulated clinical environment and practice of patient care skills required of the radiologic technologist.

Prerequisites/Corequisites:
Concurrent Enrollment in RADT 60, RADT 64, RADT 61A and RADT 71A (or formerly RADT 61.1AL)

Recommended Preparation:

Limits on Enrollment:
Acceptance in program

Schedule of Classes Information:
Description: Students will work in a laboratory demonstrating skills in a simulated clinical environment and practice of patient care skills required of the radiologic technologist. (Grade Only)
Prerequisites/Corequisites: Concurrent Enrollment in RADT 60, RADT 64, RADT 61A and RADT 71A (or formerly RADT 61.1AL)
Recommended:

Limits on Enrollment: Acceptance in 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 1981	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. Properly set up and work with sterile fields while maintaining proper aseptic techniques.
2. Handle patients using proper body mechanics and safe practices.
3. Perform patient care skills within the scope of practice of a radiologic technologist.

Objectives:
At the conclusion of this course, the student should be able to:
1. Demonstrate appropriate medical communication to patients and other personnel in a medical imaging department.
2. Demonstrate proper practices of body mechanics, medical and surgical asepsis, and infection control.
3. Demonstrate proper handling of drainage, endotracheal, urinary, and other tubes.
4. Obtain accurate vital signs.
5. Demonstrate safe transfer of patients.
6. Assist radiologist and radiologic technologist in the administration of barium enema, emergency medications, contrast media and intravenous infusions.

Topics and Scope:

I. Principles of Patient Care in Radiology
   A. Communications
   B. Body mechanics
   C. Medical and surgical asepsis
   D. Route of administration of barium enema, medications, and contrast media
   E. Infection control
   F. Isolation techniques
   G. Vital signs assessment
   H. Safe handling of tubes and intravenous pumps

I. Patient transfer/transport
J. Emergency response in radiology department
K. Oxygen administration

II. Laboratory Demonstration and Practice
A. Hand washing
B. Sterile gloving
C. Sterile gowning and gloving
D. Skin preparation
E. Medication preparation
F. Patient transfer
G. Sterile package opening
H. Barium enema
I. Vital signs
J. Intravenous tubing and set-up

All topics are covered in both the lecture and lab parts of the course except for Emergency response in radiology department which is only discussed in lecture.

Assignment:

Lecture-Related Assignments:
1. Reading from the textbook and instructor-prepared materials (10-20 pages/week)

Lab-Related Assignments:
1. Successful completion of 15-18 skill checkoffs in the laboratory (performance exams)
2. Attendance and participation

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.

None	Problem solving 0 - 0%

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

Performance exams, skills check-off	Skill Demonstrations 80 - 90%

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	Other Category 10 - 20%

Representative Textbooks and Materials:
Patient Care in Radiography. 10th ed. Ehrlich, Ruth and Coakes, Dawn. Elsevier. 2021.
Introduction to Radiologic & Imaging Sciences & Patient Care. 7th ed. Adler, Arlene and Carlton, Richard. 2019.
Instructor prepared materials