

RADT 64 Course Outline as of Fall 2007**CATALOG INFORMATION**

Dept and Nbr: RADT 64 Title: PATIENTCARE IN RADIOLOGY

Full Title: Patient Care in Radiology

Last Reviewed: 4/24/2023

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

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

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 course provides students with the principles of patient care, including consideration for the physical and psychological needs of the patient and family; routine and emergency patient care procedures; infection control; and the role of the radiologic technologist in patient education.

Prerequisites/Corequisites:**Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: This course provides students with the principles of patient care, including consideration for the physical and psychological needs of the patient and family; routine and emergency patient care procedures; infection control; and the role of the radiologic technologist in patient education. (Grade Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:

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:

Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:

By the end of this course students will be able to:

1. List responsibilities of a health care facility and the radiographer.
2. Describe and demonstrate good principles of body mechanics, patient transfer and restraint.
3. Describe the administration of parenteral fluids.
4. Discuss procedures for assuring security of patient records.
5. List ethical, emotional, and physical aspects of dying and support mechanisms available to the terminally ill patients.
6. Obtain, interpret, and evaluate vital signs.
7. Define medical and surgical asepsis, antiseptics, disinfectants, sterile/clean/contaminated areas.
8. Describe methods of sterilization.
9. Demonstrate scrubbing, gowning, and gloving techniques, and the proper handling of instruments.
10. Define infectious pathogens, communicable diseases, and nosocomial infections.
11. Describe the practice of universal precautions, isolation procedures, and infection control.
12. Discuss psychological considerations for management of patients.
13. Identify symptoms and treatment of cardiac arrest, anaphylactic shock, convulsions, seizure, hemorrhage, apnea, aspiration, fractures, diabetic coma, and insulin shock.
14. Discuss the use of medical emergency equipment and supplies.
15. Define and identify categories of contrast media.
16. Describe techniques for administration of contrast media.
17. Define communication modes and identify communication problems and their intervention.
18. Recognize various drugs and related use in radiology.

19. List the contents of an emergency drug box.

Topics and Scope:

- I. Principles of Patient Care in Medical Imaging
 - A. Effective communication
 - B. Psychology of the sick
 - C. Body mechanics
 - D. Medical and surgical asepsis
 - E. Administration of barium, medications and contrast media
 - F. Infection control
 - G. Isolation techniques
 - H. Vital signs assessment
 - I. Safe tube handling
 - J. Psychology of death and dying
 - K. Urinary catheterization
 - L. Fluid administration
 - M. Oxygen administration
 - N. Standard precautions
 - O. Occupational Safety and Health Administration (OSHA) standards
 - P. Emergency situations
 - Q. Patient Education
- II. Medico-legal Aspects of Patient Care in Medical Imaging
 - A. Patient as consumer
 - B. Organization of hospital and radiology department
 - C. Medical records and images
 - D. Informed and implied consents
- III. Radiation Protection
- IV. Pharmacology in Medical Imaging
 - A. Contrast media
 - B. Medication
 - C. Injection modes
- V. Documentation
 - A. Health Insurance Portability Assurance Act (HIPAA)
 - B. Patient's rights
- VI. Symptoms and Treatment Plans
 - A. Cardiac arrest
 - B. Anaphylactic shock
 - C. Convulsions
 - D. Seizure
 - E. Hemorrhage
 - F. Aspiration
 - G. Fractures
 - H. Diabetes
- VII. Modes of Communication
 - A. Verbal
 - B. Non-verbal
 - C. Problems
 - D. Intervention
- VIII. Occupational Health and Safety Administration

Assignment:

1. Weekly chapter readings (15-20 pages/week).
2. Report on OSHA implications.
3. Five to seven quizzes, one mid-term, one final exam.

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.

Essay exams, OSHA report

Writing
10 - 20%

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.

None

Skill Demonstrations
0 - 0%

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

Multiple choice, True/false, Matching items, quizzes, mid-term, final exam

Exams
70 - 80%

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

Attendance and participation

Other Category
5 - 10%

Representative Textbooks and Materials:

Basic Medical Care Techniques and Patient Care in Imaging Technology,
Torres L, 2005.