

RADT 64 Course Outline as of Fall 2000**CATALOG INFORMATION**

Dept and Nbr: RADT 64 Title: PATIENTCARE IN RADIOLOGY

Full Title: Patient Care in Medical Imaging

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 basic concepts 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:

Admission to Radiologic Technology program or possession of licensure as a radiologic technologist.

Recommended Preparation:**Limits on Enrollment:****Schedule of Classes Information:**

Description: Basic concepts and practice of patient care in the field of Medical Imaging. (Grade Only)

Prerequisites/Corequisites: Admission to Radiologic Technology program or possession of licensure as a radiologic technologist.

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:

The students will:

1. discuss responsibilities of a health care facility and the radiographer;
2. describe and demonstrate good principles of body mechanics, patient transfer and restraint;
3. discuss the administration of parenteral fluids;
4. discuss procedures for assuring security of patient property;
5. discuss ethical, emotional and physical aspects of dying and support mechanisms available to the terminally ill patients;
6. list stages of dying and their characteristics;
7. obtain, interpret, and evaluate vital signs
8. define medical and surgical asepsis, antiseptic, disinfectant, sterile/clean/contaminated areas
9. describe methods of sterilization
10. discuss scrubbing, gowning, gloving, and proper handling of instruments.
11. define infectious pathogens, communicable diseases, nosocomial infections, HIV, HBV, and Centers for Disease Control
12. describe use of universal precautions, isolation procedures, and infection control
13. discuss psychological considerations for management of patients
14. identify symptoms and treatment of cardiac arrest, anaphylactic shock, convulsions, seizure, hemorrhage, apnea, aspiration, fractures, diabetic coma and insuline shock
15. discuss use of medical emergency equipment and supplies
16. define and identify categories of contrast media
17. discuss pharmacology of various barium and iodine compounds
18. describe methods and techniques for administration of various contrast

media

19. define communication patterns and identify communication problems and their intervention

20. discuss and explain radiation safety and protection to patients

21. recognize various categories of drugs, common drug nomenclature, and basic concepts of pharmacology as related to Medical Imaging

22. discuss drug expected actions, reactions and possible interactions

23. discuss the contents of an emergency drug box

24. discuss premedication, including various drugs and their characteristics.

Topics and Scope:

1. 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. Oxygen administration
 - M. Universal precautions
 - N. OSHA standards
 - O. Emergency situations
 - P. Patient Education
2. Medico-legal Aspects of Patient Care in Medical Imaging
 - A. Patient as consumer.
 - B. Organization of hospital and radiology department.
 - C. Medical records and radiographs.
 - D. Informed and implied consents

Assignment:

1. Weekly reading of chapters corresponding to lecture schedule, 15-20 pages/reading.

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, Paper on OSHA standards of universal precautions

Writing 10 - 30%

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, Oral report

Skill Demonstrations
5 - 10%

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

Multiple choice, True/false, Matching items, 100-question final

Exams
60 - 80%

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

None

Other Category
0 - 0%

Representative Textbooks and Materials:

Basic Medical Care Techniques and Patient Care in Imaging Technology,
Torres L, 5th edition, 1999.