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:

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree: CSU GE:	Area Transfer Area	ı		Effective: Effective:	Inactive: 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

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

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

None

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

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

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

Attendance and participation

70 - 8	0%

Exams

Writing

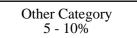
10 - 20%

Problem solving

0 - 0%

Skill Demonstrations

0 - 0%



Representative Textbooks and Materials:

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