PATIENT CARE IN THE RADIOLOGIC SCIENCES
Course Syllabus

Course Number: RADT-0197
OCAS Code: None
Course Length: 63 Hours
Career Cluster: Health Science
Career Pathway: Diagnostic Services
Career Major(s): Radiologic Technologist

Pre-requisite(s): Content provides the concepts of optimal patient care, including consideration for the physical and psychological needs of the patient and family. Routine and emergency patient care procedures are described, as well as infection control procedures using standard precautions. The role of the radiographer in patient education is identified.

Textbooks:

Reference Resource (not required)

Online resources:
Blackboard™

Course Objectives:
1. Identify the responsibilities of the health care facility and members of the health care team.
2. List the general responsibilities of the radiographer.
3. Describe the practice standards for the radiographer as defined by the ASRT and state licensure.
4. Differentiate between culture and ethnicity.
5. Explain how a person’s cultural beliefs toward illness and health affect his or her health status.
6. Explain perceptions of dying and death from the viewpoint of both patient and radiographer.
7. Identify methods for determining the correct patient for a given procedures.
8. Explain the use of various communication models.
9. Explain specific aspects of a radiographic procedure to the patient.
10. Demonstrate correct principles of body mechanics applicable to patient care.
11. Demonstrate techniques for specific types of patient transfer.
12. Demonstrate select procedures to turn patients who have various health conditions.
13. Describe immobilization techniques for various types of procedures and patient conditions.
14. Describe specific patient safety measures and concerns.
15. Explain the purpose, legal considerations and procedures for incident reporting.
16. Describe methods to evaluate patient physical status.
17. List the information to be collected prior to a patient examination.
18. Describe vital signs and lab values used to assess the condition of the patient, including sites for assessment and normal values.
19. Define terms related to infection control.
20. Describe the importance of standard precautions and isolation procedures, including sources and modes of transmission of infection and disease and institutional control procedures.
21. Identify symptoms related to specific emergency situations.
22. Describe the institution’s emergency medical code system and the role of the student during a medical emergency.
23. Explain the age-specific considerations necessary when performing radiographic procedures.
24. Describe appropriate procedures for management of various types of trauma situations.
25. Describe the symptoms and medical interventions for a patient with a contrast agent reaction.
26. Explain the role of the radiographer in patient education.
27. Describe the patient preparation for contrast studies.
28. Identify specific types of tubes, lines, catheters and collection devices.
29. Outline the steps in the operation and maintenance of suction equipment.
30. Outline the steps in the operation and maintenance of oxygen equipment and demonstrate proper use.
31. Demonstrate competency in basic life support (BLS).
32. Describe the steps in performing various mobile procedures.
33. Describe the special problems faced in performing procedures on a patient with a tracheotomy and specific tubes, drains and catheters.
34. Describe the procedure for producing diagnostic images in the surgical suite.
35. Explain the appropriate radiation protection required when performing mobile/surgical radiography.

All objectives are taken from the ASRT (American Society of Radiologic Technologists) curriculum © 2017

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and lab practice and performance.
2. Each course must be passed with eighty (80%) percent or better.
3. Grading scale: A=90-100%, B=80-89%
4. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. Tulsa Tech students may be able to earn college credit based on their knowledge gained at Tech. The process of earning credit through Prior Learning Assessment (PLA) will be determined after completion with Tech and based on certification, credential or knowledge of the subject. See program counselor for additional information.
College Credit Eligibility: All Tulsa Tech students (high school and adult) may have the opportunity to receive college credit upon completion of their program. Our College Relations office will work with students regarding the benefits of Prior Learning Assessments (PLA) toward an Associate of Applied Science (AAS) degree or a technical college certificate at area colleges. For more details call the College Relations office at 918.828.5000.