



Course Description

RAT2123 | Patient Care in Radiation Therapy | 3.00 credits

This course presents patient care procedures relevant to the radio logic health science student. Content includes specific knowledge and skills required for patient care such as pharmacology, vital sign monitoring, recognizing side effects of treatment, nutritional needs of patients and psychological needs of patients.

Course Competencies:

Competency 1: The student will demonstrate knowledge of patient care by:

1. Differentiating between the roles and responsibilities of healthcare team members treating cancer patients
2. Explaining techniques for communicating with cancer patients and their families
3. Identifying factors that influence a patient's emotional response
4. Correlating the signs and symptoms of oral abnormalities with etiologic factors
5. Providing patient education materials for individual patient's needs
6. Applying the principles of radiation protection during brachytherapy procedures
7. Employing the principles of patient safety and transfer
8. Assisting patients with personal care (e.g., urinal, bedpan, wound/stoma care)
9. Recalling emergency response procedures
10. Applying principles of professional self-care
11. Examining the role of culture in patient-centered care
12. Formulating answers to questions frequently asked by patients
13. Applying the principles of health safety

Competency 2: The student will demonstrate knowledge of patient care as related to medication by:

1. Recognizing radiation side effects, complications and associated medical interventions
2. Discussing the principles of medication administration
3. Recognizing common medications and explain their effects and side effects
4. Evaluating a patient for an adverse reaction to medication
5. Educating patients about medical procedures
6. Comparing conventional and integrative medicine

Competency 3: The student will demonstrate knowledge of patient assessment by:

1. Assessing the condition of patients before, during, and after treatment delivery
2. Examining the psychological aspects of dying
3. Describe and identify the local and systemic signs of inflammation
4. Describing the proper care of patients with tubes
5. Assessing the patient before, during, and after brachytherapy procedures
6. Assessing the nutritional status of cancer patients to provide education or intervention

Learning Outcomes:

- Solve problems using critical and creative thinking and scientific reasoning