



### **Course Description**

#### **RTE2844 | Radiographic Clinic 5 | 8.00 credits**

The purpose of this course is to provide students advanced tasks and allow the integration of clinical skills in, trauma radiography, operating room, and pediatrics into the experiences of the student. Previously measured and evaluated clinical skills are cumulative and comprehensively measured. Students will continue to be evaluated on more complex radiographic procedures.

### **Course Competencies**

**Competency 1:** The student will be able to demonstrate knowledge, comprehension and application of the equipment manipulation and principles of total quality management by:

1. Integrating problem solving skills in equipment manipulation to accommodate patient needs
2. Identifying common equipment malfunctions that affect image quality, and corrective action
3. Reporting equipment malfunctions
4. Evaluating images for appropriate anatomy, image quality and patient identification
5. Determining corrective measures to improve inadequate images

**Competency 2:** The student will be able to demonstrate proficiency in the skills, techniques and knowledge required to perform modified radiologic procedures by:

1. Applying the age-specific considerations necessary when performing radiographic procedures
2. Executing appropriate procedures for management of various types of trauma situations
3. Performing procedures on a patient with a tracheotomy and specific tubes, drains, and catheters
4. Using appropriate immobilization techniques for various types of procedures and patient conditions
5. Modifying directions to patients with various communication problems

**Competency 3:** The student will be able to respond appropriately to medical emergencies by:

1. Describing the signs and symptoms of various medical emergencies
2. Describing the appropriate procedures for handling patients with various medical emergencies
3. Demonstrating basic life support procedures
4. Complying with departmental and institutional response to emergencies

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Use computer and emerging technologies effectively