

## **Course Description**

**RTE1824 | Radiographic Clinic 3 | 5 credits**

The student continues to rotate, under supervision, through different units of a Radiology Department. Development of a capability to assist in diagnostic procedures at a more complex level.

## **Course Competencies**

### **Competency 1:**

**The student will be able to demonstrate knowledge, comprehension and application of patient management and department policies and procedures by:**

- demonstrating competent assessment skills through effective management of the patient's physical and mental status.
- assessing the patient and record clinical history
- adapting procedures to meet age-specific, disease-specific and cultural needs of patients.
- examining procedure orders for accuracy and make corrective actions when applicable

#### **Learning Outcomes:**

- Communication
- Critical thinking
- Information Literacy

### **Competency 2:**

**The student will be able to demonstrate proficiency in the skills, techniques and knowledge required to perform accurate GI and urological fluoroscopic procedures by:**

- examining the patient preparation and assessment necessary for various contrast studies
- explaining and performing the routine and special positions/projections for all fluoroscopic procedures
- describing the purpose, indications and contraindications for using contrast media
- identifying the possible side effects of contrast media
- describing the symptoms and medical interventions for a patient with a contrast agent reaction
- applying general radiation safety and protection practices associated with fluoroscopic examinations.

#### **Learning Outcomes:**

- Communication
- Critical thinking
- Information Literacy
- Computer / Technology Usage

### **Competency 3:**

**The student will be able to demonstrate an understanding of pharmacology and venipuncture procedures as it relates to radiologic science by:**

- defining the categories of contrast agents and giving specific examples for each category.
- describing the pharmacology of contrast agents
- describing methods and techniques for administering various types of contrast agents.
- identifying and describing the routes of drug administration

#### **Learning Outcomes:**

- Critical thinking
- Information Literacy