



### **Course Description**

#### **RTE2762 | Cross Sectional Anatomy | 3.00 credits**

This course is designed to provide the students a thorough knowledge of Axial, coronal, and sagittal imaging planes of our body. Students will also learn to identify various anatomical structures in axial, coronal, and sagittal images of our body.

### **Course Competencies**

**Competency 1:** The students will demonstrate knowledge of various anatomic positions and planes of our body and image reconstruction technique by:

1. Describing the common anatomic positions and planes
2. Describing various image reconstruction techniques
3. Describing directional terms

**Competency 2:** The students will demonstrate knowledge of various anatomic positions and planes of our body and image reconstruction technique by:

1. Describing the common anatomic positions and planes
2. Describing various image reconstruction techniques
3. Describing directional terms

**Competency 3:** The students will demonstrate knowledge of cross-sectional anatomy of the Thorax, Abdomen, and Pelvis by:

1. Identifying anatomic structures of Cranium
2. Identifying anatomic structures of Facial Bone
3. Identifying anatomical structures of the Brain

**Competency 4:** The students will demonstrate knowledge of cross-sectional anatomy of the Upper and Lower Extremity by:

1. Identifying anatomic structures of Upper Extremity
2. Identifying anatomic structures of Lower Extremity
3. Differentiating anatomical structures

### **Learning Outcomes:**

- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information