

Course Description

RAT 2243C | Radiation Oncology Sectional Anatomy | 3 credits

This course is designed to introduce students to sectional anatomy and its importance to the radiation therapist. This course will include three-dimensional (3-d) imaging identification of anatomical structures in various imaging methods and planes. Location of internal organs and critical structures by topographical anatomy will also be included. Normal anatomic structures of the head, neck, thorax, abdomen, pelvis, and spine will be presented in multi-planar sections.

Course Competencies

Competency 1:

The student will demonstrate a basic understanding of laws related to radiation therapy at both the state and federal levels by:

1. Examine the role of the radiation therapist in the informed consent process, patient rights and practice standards.
2. Apply concepts related to social, political, economic and historical issues to analyze the different sources of law.
3. Analyze the role of code of ethics, radiation therapy scope of practice and radiation therapy practice standards as guides to assess the appropriateness of professional actions.

Learning Outcomes

- *Learning outcome 3*

Competency 2:

The students will demonstrate knowledge of cross-sectional anatomy of Cranium, Facial Bone and Brain by:

1. Identifying anatomic structures of Cranium.
2. Identifying cross sectional anatomy of Facial Bone.
3. Identifying cross sectional anatomy of Brain.

Learning Outcomes

- Learning outcome 3*

Competency 3:

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

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

Learning Outcomes

- *Learning outcome 3*