

# Virginia Western Community College

## ROC 151

### Introduction to Sectional Anatomy

#### **Prerequisites**

None

#### **Course Description**

Introduces the study of basic anatomic structures and pathologies through digital concepts of medical imaging with emphasis on principles and practices of Radiation Oncology and diagnostic Radiography.

**Semester Credits: 2**

**Lecture Hours: 2**

**Lab/Clinical/Internship Hours: 0**

#### **Required Materials**

##### **Textbook:**

Sectional anatomy for imaging professionals. Kelly & Peterson. (2013). 3<sup>rd</sup> Edition. Mosby Elsevier. ISBN: 9780323082600

Principles and practice of radiation therapy. Washington, C. and Leaver, D. (2016). 4<sup>th</sup> Edition. Mosby Co. ISBN: 9780323287524

##### **Other Required Materials:**

Internet Access

#### **Course Outcomes**

**At the completion of this course, the student should be able to:**

- Use films, diagrams, and models, identify anatomy in the cross sectional plane
- Describe the relative position of normal anatomical structures within the head, neck, spine, chest, abdomen, pelvis, and the extremities on digital images
- Describe and be able to identify common pathologies within the head, neck, spine, chest, abdomen, pelvis, and the extremities on digital images
- Identify common variant and pathological processes of the head, chest, abdomen and spine on CT images so that they can be optimally images and described to a dosimetrist or radiation oncologist

## **Topical Description**

I: Week 1

## **Note to Instructors**