

## MASTER SYLLABUS

### **COURSE NO., HOURS, AND TITLE:**

RAD 427 (3 Hrs.) – Sectional Anatomy & Pathology

### **COURSE DESCRIPTION:**

This course gives the student a comprehensive understanding of sectional anatomy as well as pathologic identifications. Prerequisite: concurrent enrollment in RAD 407, RAD 417 and RAD 437. Restricted to Cardiac-Interventional Radiography students only.

### **PREREQUISITES TO:**

RAD 447, RAD 457, RAD 467 & RAD 477

### **COURSE OBJECTIVES:**

1. Demonstrate an understanding of specific imaging planes
2. Demonstrate an understanding and identification of anatomy in given planes
3. Demonstrate an understanding pathology specific to cardiac-interventional procedures
4. Differentiate between images specific to various imaging modalities

### **TOPICAL OUTLINE:**

<b>I</b>	Sectional Anatomy	50%
<b>II</b>	Pathology	50%

### **TEXTBOOKS:**

#### **Required:**

Ellis, H., Dixon, A. K., Logan, B. M., & Bowden, D. J. (2017). *Human sectional anatomy: Pocket atlas of body sections, CT and MRI images*. Boca Raton, FL: CRC Press.

Kelley, L. L., & Petersen, C. M. (2018). *Workbook for Sectional anatomy for imaging professionals*. St. Louis, MO: Elsevier.

Netter, F. H., & Yonkman, F. F. (1969). *Heart: A compilation of paintings on the normal and pathologic anatomy and physiology, embryology, and diseases*. West Caldwell, NJ: Ciba.