

**MASTER SYLLABUS**

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

RAD 457 (2 Hrs.) – Special Problems in Cardiac-Interventional Radiography

**COURSE DESCRIPTION:**

A thorough review of the fundamental principles and foundational readings of the field. Newly published literature will also be used to reflect the didactic teachings of previous coursework. Prerequisite: RAD 407, RAD 417, RAD 427 and RAD 437, as well as concurrent enrollment in RAD 447. Restricted to Cardiac-Interventional Radiography students only.

**PREREQUISITES TO:**

RAD 467 & RAD 477

**COURSE OBJECTIVES:**

- 1. Demonstrate an understanding of patient care practices in the field.
- 2. Demonstrate an understanding of anatomy and pathology.
- 3. Demonstrate an understanding of the instrumentation and operation of radiographic equipment
- 4. Demonstrate an understanding of cardiac-interventional procedures.

**TOPICAL OUTLINE:**

<b>I</b>	Patient Care	25%
<b>II</b>	Instrumentation and Operation	25%
<b>III</b>	Anatomy and Pathology	25%
<b>IV</b>	Imaging Procedures	25%

**TEXTBOOKS:**

**Required:**

Kaufman, J. A., & Lee, M. J. (2014). *Vascular and interventional radiology*. Philadelphia: Elsevier/Saunders.