

MASTER SYLLABUS

COURSE NO., HOURS, AND TITLE:

RAD 407 (3 Hrs.) - Patient Interactions and Management

COURSE DESCRIPTION:

A focus on ECG analysis, hemodynamics, lab assessment, wave form analysis and cardiac output. Basic life support is also covered along with medicolegal aspects of healthcare. The history of interventional cardiology is also discussed. Prerequisite: concurrent enrollment in RAD 417, RAD 427 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 the basic clinical concepts in radiologic/imaging sciences.
2. Demonstrate an understanding of medicolegal issues in healthcare.
3. Demonstrate an understanding of patient assessment.
4. Demonstrate an understanding of the role of an imaging professional.

TOPICAL OUTLINE:

I	ECG Analysis	12.5%
II	Hemodynamics	12.5%
III	Lab Analysis	12.5%
IV	Wave Form Analysis	12.5%
V	Cardiac Output	12.5%
VI	Basic Life Support	12.5%
VII	Medicolegal	12.5%
VIII	Historical Perspective	12.5%

TEXTBOOKS:

Required:

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

Parelli, R. J. (2009). *Medicolegal issues for diagnostic imaging professionals*. Boca Raton: CRC

Press/Taylor & Francis Group.