

Revised 1/05

**NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY
RAD 246 - SPECIAL PROCEDURES (1 CR.)**

COURSE DESCRIPTION

Studies special radiographic and surgical procedures and equipment employed in the more complicated investigation of internal conditions of the human body. Lecture: 1 hour.

GENERAL COURSE PURPOSE

The purpose of this course is to introduce the student to some of the new techniques, which aid in the study of diagnosing more complicated internal pathologies. Emphasis is placed on theory and clinical application.

ENTRY LEVEL COMPETENCIES

Successful completion of all prior RAD courses with a grade of "C" or better.

COURSE OBJECTIVES

Upon completion of this course the student will demonstrate an understanding of advanced imaging procedures and protocol requirements in a student selected specialized modality and in the following areas:

1. Sterile technique/Informed Consent/Contrast Agents
2. Pediatrics
3. Portable, operative and trauma radiography
4. Bone Density Imaging
5. Angiography/interventional radiology
6. Cross-Sectional Anatomy and Cadaver Laboratories
7. Computed Tomography
8. Magnetic Resonance Imaging
9. Diagnostic Sonography

MAJOR TOPICS TO BE INCLUDED

- A. Techniques of Advanced Modalities

- B. Techniques of specialized examinations

EXTRA TOPICS

- A. Anomalies and pathologies

- B. Identification of anatomy on film images