

Course Information

Course Title	Advanced Medical Imaging
Course Prefix, Num. and Title	RADR 2333
Division	Allied Health
Department	Radiologic Technology
Course Type	WECM Course
Course Catalog Description	An exploration of specialized imaging modalities. A minimum grade of "C" is required to pass this course.
Pre-Requisites	RADR 2309; 2331; 2117 and 2266 with a "C" or better
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	3:3:0
Lab/Other Hours	
Equated Pay Hours	3
Lab/Other Hours Breakdown: Lab Hours	0
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

Title	Signature	Date
Prepared by:		
Department Head:		
Division Chair:		
Dean/VPI:		
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

- I. Bone Densitometry
- II. Cardiac-Interventional
- III. Computed Tomography
- IV. Magnetic Resonance
- V. Mammography
- VI. Medical Dosimetry
- VII. Nuclear Medicine
- VIII. Radiation Therapy
- IX. Ultrasound/Sonography
- X. Vascular-Interventional

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

1. Describe the various specialized imaging modalities.
2. Differentiate between images produced by different modalities.
3. Identify the anatomy demonstrated.

Methods of Assessment:

Final Exam

Final Exam

Exam 2 Cross-Sectional Anatomy

Required text(s), optional text(s) and/or materials to be supplied by the student:

Madden, M., Introduction to Sectional Anatomy, Lippincott, Williams & Wilkens. Latest edition

Suggested Course Maximum:

18

List any specific or physical requirements beyond a typical classroom required to teach the course.

None

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

End-of-unit exams (Average of written exams)	80%
Comprehensive final**	20%
	TOTAL 100%

**Students must pass final exam with a grade of 75 or higher to pass the course, regardless of the student's average.

92.0 - 100% = A

83.0 – 91.9% = B

75.0 – 82.9% = C

74.9% and below = F

Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
 - Critical Thinking
 - Communication
 - Empirical & Quantitative Skills
 - Teamwork
 - Social Responsibility
 - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist