

## RADIOLOGY

## RAD

**Department of Radiology  
College of Human Medicine**
**401 Quantitative Human Biology**

Spring. 3(4-0) Interdepartmental with Human Anatomy and Biomedical Engineering and Materials Science and Engineering. Administered by Biomedical Engineering. P: (MTH 235 and PHY 184) and ((PSL 250 or concurrently) or (PSL 431 or concurrently) or (ANTR 350 or concurrently)) and (CEM 141 or CEM 151) RB: (CSE 131 or concurrently) or (CSE 231 or concurrently) or PSL 410

Qualitative description and quantitative engineering analysis of selected, tractable human-biological systems. Multi-disciplinary problem-solving among medical and engineering professionals.

**552 Medical Neuroscience**

Spring. 4(3-2) Interdepartmental with Human Anatomy and Neurology and Ophthalmology and Physiology. Administered by Neurology and Ophthalmology. R: Open only to graduate-professional students in the Colleges of Human Medicine and Osteopathic Medicine. SA: ANT 552

Correlation of normal structure and function of the human nervous system with clinical testing, classical lesions, and common diseases.

**553 Introduction to Radiology**

Spring. 1(1-0) R: Open only to graduate-professional students in the Colleges of Human Medicine and the College of Osteopathic Medicine or approval of department.

Principles of medical diagnostic radiology: means of generating diagnostic images, and anatomical and physiological changes that result in such images.

**590 Independent Study in Radiology**

Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 10 credits in all enrollments for this course. RB: RAD 553 or RAD 609 R: Approval of department.

Independent study in areas such as clinical diagnostic radiology, radiological physics, or radiological information technology.

**609 Radiology Clerkship**

Fall, Spring, Summer. 4 to 8 credits. A student may earn a maximum of 32 credits in all enrollments for this course. RB: Completion of two years of graduate-professional program in College of Human Medicine or College of Osteopathic Medicine.

Diagnostic imaging consultation. Participation in image interpretation and observation in hospital or out-patient radiology setting.

**806 Advanced Neuroscience Techniques  
Laboratory**

Spring. 3(0-9) Interdepartmental with Neuroscience and Pharmacology and Toxicology and Physical Medicine and Rehabilitation and Psychology. Administered by Neuroscience. RB: PHM 827 R: Open only to doctoral students in the Neuroscience major.

Methods and underlying principles of neuroscience research.