Radiology (RADIOL)

**RADIOL 4328: Introductory Radiation Biology**
(same as BIO_SC 4328, NU_ENG 4328, V_M_S 7328). Concepts of ionizing radiations, their actions on matter through effects on simple chemical systems, biological molecules, cell, organisms, man.

**Credit Hours:** 3

**Prerequisites:** junior standing Sciences/Engineering; one course in Biological Sciences and Physics/Chemistry; or instructor’s consent

**RADIOL 6044: SCC Radiation Oncology Elective**
Students will enhance their knowledge, skills, and attitudes about patient-centered care through active participation in direct patient care activities while under the supervision of a faculty preceptor. Students will integrate previously acquired knowledge and concepts and apply them to the care and management of patients. During the elective, students will be expected to work-up patients, perform physical exams, and present cases to faculty. Students will also be exposed to treatment planning, simulations, and treatment deliveries throughout the rotation. At the end of the elective, students will be expected to give a 10-minute presentation on a topic of their choosing.

**Credit Hours:** 5

**Prerequisites:** Successful completion of the first two years of medical school

**RADIOL 6373: ABS Radiology Research**
ABS Radiology Research

**Credit Hours:** 5-10

**RADIOL 6645: Radiology**
Goals/Objectives: General survey of all subspecialties of radiology.
Evaluations: Written evaluations performed by both faculty and residents.

**Credit Hours:** 5

**RADIOL 6650: Advanced Radiology**
Advanced Radiology

**Credit Hours:** 5

**RADIOL 6745: Radiology - Rural**
Radiology - Rural

**Credit Hours:** 5

**RADIOL 6931: Introduction to Radiology**
This two week elective will provide students with exposure to chest and body imaging (1 week per area). They will participate in 2-3 didactic sessions focused on the basics of radiology and imaging that is important to all fields of medicine, as well as video lectures one day a week along with the upperclassmen that are doing their 4 week elective at that time. Videos present a case based learning plan involving common emergent situations that may be encountered during their clinical training.

**Credit Hours:** 2

**Prerequisites:** successful completion of the first two years of medical school

**RADIOL 6952: SCC Radiation Oncology 2 week elective**
This course is intended as an introductory experience in the field of Radiation Oncology. Students will enhance their knowledge, skills, and attitudes about patient-centered care through active participation in direct patient care activities while under the supervision of a faculty preceptor. Students will integrate previously acquired knowledge and concepts and apply them to the care and management of patients. During the clerkship, students will be expected to work-up patients, perform physical exams, and present cases to faculty. Students will also be exposed to treatment planning, simulations, and treatment deliveries throughout the rotation.

**Credit Hours:** 2

**Prerequisites:** Successful completion of the first two years of medical school