RADIATION ONCOLOGY (RON)

School of Medicine

RON 199 — Special Study for Advanced Undergraduates: Research in Radiation Biology (1-5 units)

Course Description: Radiation Oncology is a unique discipline combining elements of clinical practice linked to complex physics based dosimetry and treatment planning. Included within this clinical environment is a strong basis in biology that underpins the clinical effectiveness of radiation treatment.

Learning Activities: Variable 3-15 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Pass/No Pass only.

RON 211 — Introduction to Radiation Oncology Physics (3-6 units)

Prerequisite(s): Consent of instructor; restricted to physics and engineering graduate students and senior undergraduate physics majors.
Learning Activities: Variable.
Enrollment Restriction(s): Limited to 3 students.
Grade Mode: Satisfactory/Unsatisfactory only.

RON 299 — Independent Study & Research (1-12 units)

Course Description: Research under supervision of Radiation Oncology faculty. Work must be appropriate to fulfill the requirements for the Ph.D. degree.
Prerequisite(s): Enrollment with a graduate group for Ph.D. candidacy and consent of group advisor and sponsor.
Learning Activities: Laboratory 3-40 hour(s).
Grade Mode: Satisfactory/Unsatisfactory only.

RON 420 — Radiobiology Lecture Course (1 unit)

Course Description: Radiobiology lectures are designed to engage the physician residents, physics residents and medical students in learning Radiobiology principles and concepts during the year the Radiation Physics course is taught.
Prerequisite(s): BIS 001A; MAT 012; PHY 001A.
Learning Activities: Lecture 1 hour(s).
Repeat Credit: May be repeated 2 time(s).
Grade Mode: Honors/Pass/Fail.

RON 464 — Radiation Oncology Away Clerkship (3-9 units)

Course Description: Away Advanced Clerkship in Radiation Oncology.
Learning Activities: Clinical Activity 30 hour(s).
Grade Mode: Honors/Pass/Fail.

RON 465 — Externship in Radiation Oncology (3-16 units)

Course Description: Externship provides in-depth exposure to the field of Radiation Oncology for students who rotation through an affiliated institution.
Prerequisite(s): Consent of instructor.
Learning Activities: Clinical Activity 30 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.

RON 499 — Independent Study & Research in Therapeutic Radiology (1-18 units)

Course Description: Advanced-level research seminar in clinical and/or translational radiation oncology. Work with the course instructor to generate a testable hypothesis.
Prerequisite(s): Consent of instructor.
Learning Activities: Variable 3-40 hour(s).
Repeat Credit: May be repeated.
Grade Mode: Honors/Pass/Fail.