**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.