



RON 499

Independent Study and Research in Therapeutic Radiology

UC DAVIS
HEALTH

**COMPREHENSIVE
CANCER CENTER**

RON 499

Independent Study and Research in Therapeutic Radiology

Syllabus

Description:

This course will serve as an advanced-level research seminar for students interested in clinical and/or translational radiation oncology. The student will be expected to function independently and to work with the course instructor for the purpose of generating a testable hypothesis for scientific research. This course is open to all UCD medical students, and 4th year visiting medical students.

*** Student researchers will be required to complete a mandatory on-line research training prior to being permitted to work on research with a Principal Investigator ***

Orientation:

Day 1:

Meet with the course instructor who will provide an overview of the proposed project and who will provide insight on how the work entailed fits in with both the laboratory goals and the clinical question or topic that it addresses

Mid-way:

Meet with Course Instructor to discuss rotation

End of rotation:

A summary will be prepared by the student and presented to the department research focused staff and faculty.

Objectives:

- To gain experience in scientific research design
- To acquire the skills necessary for hypothesis generation
- To become adept at data collection and organization
- To develop familiarity with statistical analysis
- To gain experience in data preparation and manuscript writing

Expectations:

- Student are expected to prepare progress reports regularly updating the status of the research
- Students are expected to prepare a high-level manuscript for publication in a peer-reviewed journal upon completion of the course

Additional Resources:

Our Team:

- [Radiobiologists](#)
- [Physicians](#)
- [Medical Physics](#)
- [Residents](#)

Suggested References:

- Hall EJ, Giaccia AJ. (2018). Radiobiology for the Radiologist (8th Edition). published by Lippincott Williams & Wilkins (Philadelphia)

Telecommunications Information

Phones

To call within the Medical Center, dial 4+XXXX or 3+XXXX (4-digit extension). To call the Davis Campus, dial 9+1+530+752+XXXX (4-digit extension). To call outside the Medical Center within the Sacramento area, dial 9+the seven-digit number.

Pager

How to page: To call while inside the Medical Center, dial 9+762-XXXX. You will then be asked to enter your numeric message after the tone (your telephone number). To page from outside the Medical Center, dial 762-XXXX.

Locations

Lab:

Research II
4625 2nd Avenue, #2101
Sacramento, CA 95817

Administrative Offices:

South Cancer Center Building
4501 X Street, #G0140
Sacramento, CA 95817