



RON 420

Radiobiology Lecture Course

UC DAVIS
HEALTH

**COMPREHENSIVE
CANCER CENTER**

RON 420

Radiobiology Lecture Course

Syllabus

Description:

Radiobiology Short Course is a series of lectures plus a series of seminars given every other year following the year the Full Radiobiology Course is given. The course begins in mid-September with one lecture per month given on 3rd Friday, 7:00 - 8:00 AM in the department's conference room. Lectures are designed to keep the physician residents, physics residents and medical students engaged in learning the principles and concepts of Radiobiology during the year the Radiation Physics Course is given.

There are no assigned homework problems or review sessions.

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 present aspects of modern Radiation Biology that represents the development of next generation ideas and understanding.
- To present the information in a manner and format that continuously reflects issues relevant to the clinical treatment of disease or complications thereof.
- To provide the framework of possible laboratory based research projects in the laboratories of presenting faculty.

Expectations:

- Individuals taking the course are expected to be on time and prepared to discuss the presentation during delivery.
- These presentations are not simple didactic treatments of the subject but a time for an engagement and further understanding of processes and basic mechanisms. Understand and appreciate the concepts of mechanistic vs non-mechanistic research questions.

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