

RAD 525
Seminars in Medical Dosimetry I
Fall Semester Syllabus

COURSE DEFINITION:

RAD 525-3 Seminars in Medical Dosimetry I - This course consists of various seminars/literature reviews associated with radiation oncology. Topics include treatment techniques for various cancers, technological advances in cancer treatment, cancer treatment trends, and the role of a medical dosimetrist. This course is twenty weeks in length. Prerequisite: Admission to the Medical Dosimetry Program.

COURSE OBJECTIVES:

1. Demonstrate an understanding of the basic clinical concepts in radiation oncology.
2. Demonstrate an understanding of how different cancers are treated.
3. Demonstrate an understanding of the latest technologies in radiation oncology.
4. Demonstrate a basic understanding of treatment planning.
5. Demonstrate an understanding of the role of a medical dosimetrist.

COURSE OUTLINE:

Topics

1. Clinical concepts in radiation oncology
2. Treatment methods
3. New technologies
4. Treatment planning

COURSE REQUIREMENTS:

Attend clinical conferences or perform journal article summaries.

PREREQUISITES: Admittance to the Medical Dosimetry Program.

TEXTBOOKS: NA

GRADING SCALE:

90-100	A	Grades will be determined by:	
80-89	B	Timely Completion of	
70-79	C	Conference/Journal Article Summaries	70%
<70	Failing	Research Papers	30%

Note: An overall GPA of 3.0 or greater in all graduate coursework is required to successfully complete the Medical Dosimetry Program. This is a SIUC Graduate School Policy.