

RAD 545
Seminars in Medical Dosimetry II
Spring Semester Syllabus

COURSE DEFINITION:

RAD 545-3 Seminar in Medical Dosimetry II – 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. Prerequisite: This course is twenty weeks in length. Prerequisite: A grade of “C” or better in RAD 525.

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: A grade of “C” or better in RAD 525.

TEXTBOOKS: NA

GRADING SCALE:

90-100	A
80-89	B
70-79	C
<70	Failing

Grades will be determined by timely completion of:

Conference/Journal Article Summaries	70%
Research Papers	30%

Late work will not be accepted. No credit will be awarded for work submitted after the deadline.

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.