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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Failing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>90-100</td>
<td>80-89</td>
<td>70-79</td>
<td>&lt;70</td>
</tr>
</tbody>
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Grades will be determined by:
Timely Completion of
Conference/Journal Article Summaries 70%
Research Papers 30%

Please see all course requirements and dates in the student handbook and D2L.

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.