COURSE DEFINITION:
RAD 530-2 The Essentials of Medical Dosimetry - This course covers the various quality assurance procedures performed in a radiation oncology department. Also included are various statistics topics to educate the student in becoming a good consumer of medical dosimetry research literature. Professional development, billing/coding, HIPAA, and professional service are also addressed. This course is twenty weeks in length. Prerequisite: A grade of “C” or better in RAD 510, RAD 515, RAD 520, and RAD 525.

COURSE OBJECTIVES:

1. Demonstrate an understanding of quality assurance procedures.
2. Demonstrate an understanding of statistics/research terms.
3. Demonstrate an understanding of professional development.
4. Demonstrate an understanding of billing/coding and HIPAA.
5. Demonstrate an understanding of professional service in the field of medical dosimetry.

COURSE OUTLINE:

Topics
1. Quality assurance
2. Statistical terminology
3. Professional development
4. Resumes
5. Billing/coding
6. HIPAA
7. Professional service

COURSE REQUIREMENTS:

Purchase all texts, attend all lectures, and complete required examinations, quizzes, and homework. Purchase a T130XA scientific calculator.

PREREQUISITES: A grade of “C” or better in RAD 510, RAD 515, RAD 520, and RAD 525.

TEXTBOOKS:

Required:
GRADING SCALE:

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

Grades will be determined by:

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<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Test Performance</td>
<td>70%</td>
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<tr>
<td>Quizzes/Homework/Presentations/Papers</td>
<td>30%</td>
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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.