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:
<table>
<thead>
<tr>
<th>Score</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>&lt;70</td>
<td>Failing</td>
</tr>
</tbody>
</table>

Grades will be determined by:
- Test Performance 70%
- Quizzes/Homework/Presentations/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.