MASTER SYLLABUS

COURSE NO., HOURS, AND TITLE:

RAD 541, 3, Advance Practice of Radiologic/Imaging Sciences II

COURSE DESCRIPTION:

This course will continue to cover the same topics that were reviewed in RAD 521 but to a greater level of understanding. Topics include: Radiation physics, radiation biology, anatomy, pharmacology, human disease/pathology, advanced imaging methods, advanced imaging modalities, and patient care. Prerequisite: A grade of “C” or better in RAD 521.

PREREQUISITE TO: N/A

COURSE OBJECTIVES

The objectives of RAD 541, Advance Practice of Radiologic/Imaging Sciences II are to gain a greater understanding of the following topics:

1. Radiation physics
2. Radiation biology
3. Anatomy
4. Pharmacology
5. Human disease/pathology
6. Advanced imaging methods
7. Advanced imaging modalities
8. Patient care

TOPICAL OUTLINE:

<table>
<thead>
<tr>
<th>Topics</th>
<th>Percentages of Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.  Radiation physics</td>
<td>12%</td>
</tr>
<tr>
<td>II. Radiation biology</td>
<td>12%</td>
</tr>
<tr>
<td>III. Anatomy</td>
<td>12%</td>
</tr>
<tr>
<td>IV. Pharmacology</td>
<td>12%</td>
</tr>
<tr>
<td>V.  Human disease/pathology</td>
<td>13%</td>
</tr>
<tr>
<td>VI. Advanced imaging methods</td>
<td>13%</td>
</tr>
<tr>
<td>VII. Advanced imaging modalities</td>
<td>13%</td>
</tr>
<tr>
<td>VIII. Patient care</td>
<td>13%</td>
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</tbody>
</table>
TEXTBOOKS:

**Required:**


**Recommended:**

N/A