MASTER SYLLABUS

COURSE NO., HOURS, AND TITLE:

RAD 521, 3, Advance Practice of Radiologic/Imaging Sciences I

COURSE DESCRIPTION:

This course will include a review of the following topics: Radiation physics, radiation biology, anatomy, pharmacology, human disease/pathology, advanced imaging methods, advanced imaging modalities, and patient care.

PREREQUISITE TO: RAD 541

COURSE OBJECTIVES

The objectives of RAD 521, Advance Practice of Radiologic/Imaging Sciences I are to gain a better 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