INSTRUCTOR: Michael Grey, Ph.D., RT(R)(MR)(CT)  
Associate Professor, Radiologic Sciences  
ASA Rm# 134  
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COURSE DESCRIPTION:  
This course focuses on identifying anatomical structures produced by Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) scanners in the transverse, sagittal, coronal, and orthogonal planes. The CT and MR images place emphasis on the brain, spine, head, neck, chest, abdomen, pelvis, musculoskeletal (joints), and vascular system. In addition, discussion on dynamic scanning, fast scanning, spiral scanning, and three-dimensional imaging will be presented. Prerequisite: RAD 362 or consent of instructor.

TEXTBOOKS:  
Required:  

Optional:  

Additional:  

Note: These books are located in the Reserve Area of the Undergraduate Library.  

COURSE OBJECTIVES:  
Upon completion of this course, the student will be able to:  
1. Using CT and MRI images identify and label the pertinent anatomical structures of the brain, spine, head, neck, chest, abdomen, pelvis, musculoskeletal (joints), and vascular system.  
2. Describe imaging applications used in CT and MRI to demonstrate the various anatomical structures.  
3. Define the terminology used in sectional anatomy and imaging applications.
GRADING SCALE:

The grading will be on a straight scale. Course grades will be based on tests, and the final exam.

EVALUATION AND POINT VALUE FOR THE COURSE:

<table>
<thead>
<tr>
<th></th>
<th>Maximum Points</th>
<th>Your Points</th>
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<tbody>
<tr>
<td>Quizzes (5)</td>
<td>50</td>
<td></td>
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<tr>
<td>Tests (3)</td>
<td>150</td>
<td></td>
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<tr>
<td>Final Exam</td>
<td>100</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>300</strong></td>
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A = 93 – 100%  279 – 300 points  Test #1 – Brain, Head, & Spine
B = 85 – 92%   255 – 278 points  Test #2 – Chest, Abdomen, & Pelvis
C = 77 – 84%   231 – 254 points  Test #3 – Musculoskeletal
D = 70 – 76%   210 – 230 points
F = Below 70%   below 209 points

All students are expected to attend class and come prepared to discuss the topic assigned for that day. Tests will cover the lecture, text, handouts, and images reviewed during class. No make-up tests will be given for other than instructor approved absences.