COURSE DESCRIPTION:
This course provides students with the theoretical foundations and laboratory demonstrations necessary to develop the psychomotor skills that are essential for the achievement of routine diagnostic radiographs and those requiring supplementary views for patients at any stage of the life span. This course covers the essential anatomy and positioning used for radiography of the chest, abdomen and distal upper extremity. Concepts of mobile radiography are also introduced. Hours: 36 lecture and 36 laboratory. Prerequisite: permission of the department head. Course fee: $60. Usually offered in the summer.

CREDIT HOURS: 3 credit hours
( Lecture Thursdays 8:30 am -11:30 am; 12:30 pm – 3:45 pm)
( Lab T or W 8:30 am to 3:30 pm)

PLACEMENT: Summer Session II - First Year of Program 2014

FACULTY: Cindy Ross, B.A., R.T. (R) (ARRT)
Office: (410) 572-8743
Administrative Associate: (410) 572-8740
Email: cross@worwic.edu
Access to course instructor through Blackboard

OFFICE HOURS: Schedule by appointment


### COURSE OBJECTIVES:

<table>
<thead>
<tr>
<th>Course Objectives</th>
<th>Assessment Goals</th>
<th>Assessment Strategies</th>
</tr>
</thead>
</table>
| 1. Describe the radiographic planes of the body, cavities, and anatomical landmarks. | 1. Identify the radiographic body planes and describe their importance to imaging parts of the body.  
2. Identify the body cavities and explain the contents within each cavities.  
3. Describe the relationship between body cavities.  
4. Identify anatomical landmarks and describe their location within the body.  
5. Describe the utilization of anatomical landmarks in the completion of radiographic projections. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final |
| (GEO 1, 3, 5, 7)                                                                 |                                                                                                                                                                                                              |                                              |
| 2. Describe bone classifications and types of joints.                            | 1. Identify the anatomical structures of a long bone.  
2. Identify the skeletal bones with the following bone classifications: long bone, miniature long bone, short bone, flat bone, and irregular bone.  
3. Describe the three major joint classification categories.  
4. Identify specific types of joints and the areas of the body where these joints are located.  
5. Describe the movements of joints and extremities associated with their classification. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final |
| (GEO 1, 3, 5, 7)                                                                 |                                                                                                                                                                                                              |                                              |
| 3. Define terminology associated with radiographic exams.                        | 1. Describe the anatomical surfaces of the body.  
2. Define positioning terminology.  
3. Define projection.  
4. Explain the terms associated with radiographic projections.  
5. Describe the placement and position of the patient's body in relationship to the x-ray film and/or table and the central ray for routine radiographic projections.  
6. Describe the meaning of terms as they relate to radiographic body positions.  
7. Describe the placement and position of the patient's body in relationship to the x-ray IR and/or the x-ray table for routine radiographic body positions. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final |
| (GEO 1, 3, 7)                                                                    |                                                                                                                                                                                                              |                                              |
| 4. Explain the characteristics associated with patient body habitus.             | 1. Define the term body habitus.  
2. Identify the main categories for body habitus.  
3. Describe how body habitus determines organ location.  
4. Explain how radiographic positioning is modified according to patient body habitus.  
5. Explain how exposure factors are modified according to patient body habitus. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final |
<p>| (GEO 1, 2, 3, 5, 6, 7, 8)                                                        |                                                                                                                                                                                                              |                                              |</p>
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| 5. Discuss the general principles of radiographic positioning.                    | 1. Obtaining two projections taken 90 degrees apart.  
2. Three projections are to be completed to evaluate joint spaces.  
3. Purpose of maintaining close object part to IR distance.  
4. Maintaining a basically parallel relationship of the anatomic part to the IR.  
5. Direct the central ray (CR) to the center of the anatomical part being examined.  
6. Direct the central ray (CR) at right angles (perpendicularly) to the broad surface of the anatomical part, structure, or area being examined.  
7. Describe the following positioning factors incorporated in a radiographic examination:  
   a. standard projection performed  
   b. accessory equipment employed  
   c. patient positioning procedure followed  
   d. position of the body part in relationship to the IR and/or x-ray table  
   e. direction and placement of the central ray  
   f. source image distance  
   g. size, position and placement of the IR  
   h. anatomical structures visualized on the finished radiograph  
   i. communication skills associated with the procedure  
8. Describe the term radiation exposure field as it relates to the practice of radiography.  
9. Describe the area of the radiation exposure field referred to as the central ray. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final |
| (GEO 1, 2, 3, 5, 7)                                                              |                                                                                                                                                                                                               |                                              |
| 6. Describe the positioning factors and anatomical structures visualized as they relate to the performance of the fingers, thumb, hand, and wrist examination. | 1. Standard and supplementary projections performed.  
2. Accessory equipment employed.  
3. Patient positioning procedure followed.  
4. Position of the body part in relationship to the IR and/or x-ray table  
5. Direction and placement of the central ray.  
7. Size, position and placement of the IR.  
8. Anatomical structures visualized on the finished radiograph.  
9. Communication skills associated with the procedure. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final  
Laboratory Final  
Image Final |
<p>| (GEO 1, 2, 3, 5, 7)                                                              |                                                                                                                                                                                                               |                                              |</p>
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</table>
| 7. Describe the positioning factors and anatomical structures visualized as they relate to the performance of the forearm and elbow. (GEO 1, 2, 3, 5, 7) | 1. Standard and supplementary projections performed.  
2. Accessory equipment employed.  
3. Patient positioning procedure followed.  
4. Position of the body part in relationship to the IR and/or x-ray table  
5. Direction and placement of the central ray.  
7. Size, position and placement of the IR.  
8. Anatomical structures visualized on the finished Radiograph.  
9. Communication skills associated with the procedure | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final  
Laboratory Final  
Image Final |
| 8. Describe the positioning factors as they relate to performance of standard, mobile, stretcher, recumbent, decubitus, apical lordotic, and oblique chest examinations and the anatomical structures visualized for each. (GEO 1, 2, 3, 5, 6, 7, 8) | 1. Standard and supplementary projections performed.  
2. Accessory equipment employed.  
3. Patient positioning procedure followed.  
4. Position of the body part in relationship to the IR and/or x-ray table  
5. Direction and placement of the central ray.  
7. Size, position and placement of the IR.  
8. Anatomical structures visualized on the finished Radiograph.  
9. Communication skills associated with the procedure  
10. Describe the breathing process and how it relates to the performance of chest radiography. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final  
Laboratory Final  
Image Final |
| 9. Describe the positioning factors as they relate to the performance of KUB, Flat, Upright, Lateral decubitus, and Dorsal decubitus examinations of the abdomen and the anatomical structures visualized. (GEO 1, 2, 3, 5, 7) | 1. Standard and supplementary projections performed.  
2. Accessory equipment employed.  
3. Patient positioning procedure followed.  
4. Position of the body part in relationship to the IR and/or x-ray table  
5. Direction and placement of the central ray.  
7. Size, position and placement of the IR.  
8. Anatomical structures visualized on the finished Radiograph.  
9. Communication skills associated with the procedure  
10. Describe the regions of the abdomen and the anatomical structures associated with each region.  
11. Describe the quadrants of the abdomen and the anatomical structures associated with each quadrant. | Workbook Assignments  
Chapter Tests  
Laboratory Tests  
Lecture Final  
Laboratory Final  
Image Final |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>10. Identify radiographically and on diagrams the bones, groups of bones, major structural areas associated with the skeletal system of the human body. (GEO 1, 2, 5, 7)</td>
<td>1. Identify anatomical structures associated with the upper extremity on diagrams and radiographs. 2. Identify anatomical structures associated with the abdomen and pelvic cavities on diagrams/images. 3. Identify anatomical structures associated with the chest and bony thorax on diagrams and radiographs.</td>
<td>Workbook Assignments  Chapter Tests  Laboratory Tests  Lecture Final  Laboratory Final  Image Final</td>
</tr>
<tr>
<td>11. Explain the patient preparation for imaging exams of the upper extremity, abdomen and chest. (GEO 1, 2, 3)</td>
<td>1. Describe the patient preparation required for imaging exams of the upper extremity. 2. Describe the patient preparation required for imaging exams of the abdomen. 3. Describe the patient preparation required for imaging exams of the chest.</td>
<td>Workbook Assignments  Chapter Tests  Laboratory Tests  Lecture Final  Laboratory Final  Image Final</td>
</tr>
<tr>
<td>12. Describe modifications made to routine radiographic procedures according to disease process, patient age, and mobility. (GEO 1, 2, 3, 5, 6, 7, 8)</td>
<td>1. Describe the positioning factor variances used for pediatric chest radiography. 2. Describe the positioning factor variances for pediatric abdominal radiography. 3. Describe the positioning factor variances for pediatric upper extremity radiography. 4. Describe the positioning factor variances for patients unable to stand for chest radiography. 5. Describe the purpose of mobile radiography and the exams most commonly completed using the portable machine.</td>
<td>Workbook Assignments  Chapter Tests  Laboratory Tests  Lecture Final  Laboratory Final  Image Final</td>
</tr>
<tr>
<td>13. Explain the utilization of radiation protection for the completion of upper extremities, chest, and abdominal imaging exams. (GEO 1, 2, 3, 5, 7, 8)</td>
<td>1. Explain the process and the purpose of questioning the patient for pregnancy. 2. Describe the use of collimation on radiation protection for the patient. 3. Explain collimation which should be employed for upper extremities, chest, and abdominal radiography.</td>
<td>Workbook Assignments  Chapter Tests  Laboratory Tests  Lecture Final  Laboratory Final  Image Final</td>
</tr>
<tr>
<td>14. Identify the x-ray equipment components and the purpose of each to the production of a diagnostic radiograph. (GEO 1, 2, 3, 7)</td>
<td>1. Demonstrate competency of table manipulation. 2. Demonstrate competency of changing SID according to exam performed. 3. Demonstrate competency for using appropriate OID for imaging exams. 4. Demonstrate competency of all tube locks and angle functions. 5. Demonstrate competency of wall and table bucky movement and cassette insertion. 6. Demonstrate competency of correct collimation according to IR size and orientation. 7. Demonstrate competency of shield use of placement.</td>
<td>Workbook Assignments  Chapter Tests  Laboratory Tests  Lecture Final  Laboratory Final  Image Final</td>
</tr>
</tbody>
</table>
COURSE CONTENT:
1. Identify anatomical structures radiographically, demonstrate positioning competency, demonstrate equipment manipulation competency for chest projections.
2. Identify anatomical structures radiographically, demonstrate positioning competency, demonstrate equipment manipulation competency for upper extremity projections.
3. Identify anatomical structures radiographically, demonstrate positioning competency, demonstrate equipment manipulation competency for abdomen projections.
4. Explain PMS and its importance to the administration of ionizing radiation and identification of radiographs.
5. Describe ALARA and principles of radiation protection.
6. Comprehend positioning terminology.
7. Identify the components of the x-ray equipment and describe the function of each component.
8. Communicate positioning instructions pertinent to each imaging projection.
9. Identify the room and patient preparation for each imaging projection.
10. Describe variances to routine imaging procedures according to patient condition and age.

The RDT course content reflects the American Society of Radiologic Technologists (ASRT) Radiography curriculum, the American Registry of Radiologic Technologists (ARRT) Licensure examination requirements, and the master plan of education enforced by the Joint Review Committee on Education in Radiologic Sciences (JRCERT).

ACADEMIC HONESTY POLICY:
Students found exhibiting any of the following types of behavior during or in the preparation/performance of any quiz, project, report, test, or final exam will receive a zero "0" for the assignment, and the student conduct violation will be referred to the Student-Faculty Disciplinary Committee. Cheating will not be tolerated in the Radiologic Technology program. Students found cheating will be DISMISSED from the Radiologic Technology program.

A. Cheating is defined as the act of obtaining information or data improperly or by dishonest or deceitful means; and

B. Plagiarism is defined as the copying or imitating the language, ideas, or thoughts of another author and presenting them as one's original work, the copying of a theme or section from a book or magazine without giving credit in a footnote or copying from the manuscript of another student.

Sharing information present on a quiz or test are examples of academic dishonesty and will result in a grade of “F” for the course and immediate dismissal from the Radiologic Technology program.
CLASS GUIDELINES/EXPECTATIONS
1. Be punctual and arrive to class before the scheduled meeting prepared to learn.
2. Attend all class sessions in their entirety.
3. Submit only completed work. Partially completed assignments will earn a grade of 0. No late assignments will be accepted.
4. Read assigned chapters in the textbook(s) before class meetings.
5. Ask questions to the instructor and attend scheduled tutoring sessions for clarification on course content areas.

The semester is broken down into weeks. Each week begins on Monday and ends on Sunday. All course assignments submitted through Blackboard are due at 11:00 pm on Sunday nights. Students are required to thoroughly complete all assignments/activities. No incomplete or half-attempted work will be accepted. Refer to the course assignment section of the syllabus for due dates, times, and required criteria for each assignment.

EMERGENCY INFORMATION:
In the event of a flu epidemic or other emergency that results in the suspension of classes, faculty will be communicating with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via faculty websites or Blackboard. Students will be responsible for completing all these assignments in accordance with class policies. Information about the resumption of classes will be communicated via the College’s website and email system.

RDT students are responsible for all assignments and due dates outlined in the course syllabus regardless if the college has been closed due to an emergency.

ATTENDANCE
Students are expected to attend all class sessions. If a student misses a class session, it is the student’s responsibility to acquire the information reviewed and ask questions to the course instructor during tutoring. Students absent from class will not be permitted to make-up missed quizzes or graded assessments administered during the scheduled class session.
BLACKBOARD:
Blackboard is used as a supplementary site for all RDT courses. To access course content in Blackboard you need to have access to a computer with an Internet connection, (other requirements may apply). Computers that meet these requirements are available on campus in MTC 200, AAB 217, HH 100, GH 204, WDC 305, and AHB 108.

Please follow these directions to access course syllabi and any other materials posted for this course:

Login Information
1. From Wor-Wic home page, point to "Quick Links" (top-right) and click the “Blackboard Login” link.
2. Enter your Wor-Wic user ID and password. Don't know your user ID or password? Contact Student Services

BLACKBOARD COMPONENTS
The following are tools the course instructor will be using in Blackboard:

Syllabus:
The posted course syllabus documents the didactic schedule, assignments, due dates, and information pertinent to the course.

Messages:
Email from the course instructor will be located under the messages section of Blackboard. Students may email the instructor and other students in the class through messages. Email is the primary method of communication between students and the course instructor outside of the classroom. Students should visit the messages section daily in the course for new information sent by the instructor.

Course Content:
The following items will be located within the course content of Blackboard: (1) PowerPoint Presentations, (2) Lab Notes, (3) Study Guides and Reviews, and (4) Assignment information. Content folders will be labeled to organize course material.

Grades:
Students can view grades in Blackboard. All graded assessments will be recorded into Blackboard.

CLASS COMMUNICATION:
Blackboard is used in all RDT courses as a source of communication between instructors and students. Weekly announcements and emails will be posted in Blackboard. Students are required to use Blackboard to submit assignments and for communication with instructor. It is the student’s responsibility to enter Blackboard daily in all RDT courses to view messages, announcements, retrieve class notes, and review materials.
LABORATORY RULES

Positioning practice is expected in order to be successful in this program. Our positioning lab, however, is an energized lab. Therefore, you may only access the lab under the direct supervision of Mrs. Ross and Mrs. Solembrino.

This is an accredited program with strict guidelines on radiation safety.

***************************************************
Anyone who attempts to take an exposure without direct supervision (Mrs. Ross or Mrs. Solembrino standing next to you) will be immediately dismissed from the program and receive a final grade of "F" for the positioning course.

***************************************************
WRITING ASSIGNMENT:
(GEO 1, 2, 3, 5, 7) (CO 3, 5, 8, 9)
The student will choose from 2 radiographic exams for the writing assignment. The student can select from 1. PA and Lateral Chest or 2. Flat and Erect Abdomen. The student must correctly explain the patient preparation for the exam, what questions should be included for the patient history, explanation of the steps of the procedure, a minimum of 3 evaluation criteria for the images that would be obtained, and a lesson learned in the completion of this paper. The student must use the Radiographic Program textbooks as their resource. The paper should cite the textbook in APA format.

See http://www.worwic.edu/Media/Documents/LibraryResources/APA%20Style.pdf for assistance on the correct way to site in APA format. The writing assignment should be a minimum of 500 words using a 12 New Roman font with 1 inch margins. A title page and works cited page should also be included but these items are NOT part of the content requirement for this assignment.

The Positioning Writing Assignment is due August 10, 2014 by 11:00 pm EST. A grading rubric is attached. PLEASE REFER TO THE RUBRIC IN ORDER TO RECEIVE FULL CREDIT. Submit the assignment through Blackboard. NO LATE PAPERS WILL BE ACCEPTED. FAILURE TO SUBMIT THE POSITIONING WRITING ASSIGNMENT BY 11:00 PM EST WILL RESULT IN A GRADE OF 0.

LECTURE ASSIGNMENTS
(GEO 1, 2, 3, 7) (CO 1-13)
Students will complete chapters in course workbooks throughout the semester. Students are to show the completed workbook assignment to the course instructor prior to the exam on the due dates. Failure to show the instructor the completed workbook prior to the exam will result in a grade of 0 for the assigned work.
NO LATE WORKBOOK ASSIGNMENTS WILL BE ACCEPTED.

LAB ASSIGNMENTS
(GEO 1, 2, 3, 7) (CO 6-11, 13)
Positioning practice in addition to class time is a requirement for this course. Students will receive a Positioning Practice Chart. It must be signed off by a faculty member for credit. The chart must be completed in order to receive credit. This chart represents the MINIMUM AMOUNT OF PRACTICE. Additional practice is recommended in order to be successful. Tutoring time will be announced in order for students to practice under supervision.

Students will complete positioning radiograph assignments which will complement course content discussed in the lecture and laboratory components. Radiograph assignments will be distributed with each chapter and due dates will be communicated in class.

There will be a variety of additional lab assignments that will be communicated in class. All lab assignments are designed to prepare students for clinic.

NO LATE ASSIGNMENTS WILL BE ACCEPTED.
**QUIZZES/CLASSWORK**  
(GEO 1, 2, 3, 7) (CO 1-14)  
Students will complete quizzes and classwork on information presented in reading assignments, class lecture and lab, and PowerPoints. Quizzes/Classwork administered during class sessions will have a time limit for completion. Students arriving late, leaving early or missing class sessions will not be permitted to make up a missed quiz/classwork or be given additional time to complete a quiz/classwork. Quizzes are unannounced. **NO MAKE-UP QUIZZES/CLASSWORK WILL BE ADMINISTERED. A GRADE OF 0 WILL BE EARNED FOR MISSING AN ADMINISTERED QUIZ OR ASSIGNED CLASSWORK.**

**CHAPTER TESTS**  
(GEO 1, 2, 3, 5, 7) (CO 1-13)  
Students will complete chapter tests after covering didactic material in class. Chapter tests can include all of the following: multiple-choice, true/false, fill in the blank, essay, and labeling of radiographic images. **NO MAKE-UP TESTS WILL BE ADMINISTERED.** Please refer to the chapter test dates included at the end of the course syllabus.

**LABORATORY POSITIONING TESTS**  
(GEO 1, 2, 3, 5, 7) (CO 1,6-11,14)  
Students will complete laboratory positioning tests. Students in the Monday lab will test on Mondays and students in the Wednesday lab will test on Wednesdays. Please refer to the laboratory evaluation and remediation sections of the course syllabus. Laboratory testing dates are included at the end of the course syllabus. **NO MAKE-UP LABORATORY POSITIONING TESTS WILL BE ADMINISTERED.**

**LABORATORY EVALUATION**  
All laboratory evaluations require a minimum score of 75% to be considered passing. All scores below 75% must be repeated with the course instructor.

Failed laboratory evaluations will require a **FIRST-ATTEMPT REMEDIAL** laboratory exam. If a student passes the remedial test the student will receive a maximum of a 50% on the failed exam. The “0” earned on the initial lab exam attempt will be changed to a 50% if the student passes the first remedial laboratory exam.

When a student fails the initial lab exam and the first attempt remedial laboratory exam, the student will complete a **SECOND-ATTEMPT REMEDIAL** examination with the course instructor. If the second-attempt remedial exam is passed the student may complete the exam in the clinical setting and maintain their status as an RDT student. However, the 0% earned on the initial laboratory exam will remain in the student’s grade.

If a student fails the initial laboratory exam, the first-attempt remedial exam, and the second-attempt remedial exam, the student will receive an F for the course.
A laboratory evaluation will automatically receive a grade of 0% in the event that any one or a combination of the following occurs:

1. Failure to ask pregnancy (Male and Female patients must be questioned for lab tests)
2. Failure to shield patient
3. Failure to check armband/DOB
4. Failure to obtain history/Failure to identify self to patient
5. Incorrect or absence of correct anatomical marker
6. Incorrect projection performed/Incorrect side of the body
7. Collimation (field size) opened larger than IR/or inaccurate collimation to IR (ex: crosswise collimation and lengthwise IR)
8. Any error resulting in an obviously repeatable image (EX: tube/IR not aligned, pertinent anatomy omitted from the collimated field, failure to have patient change into gown, artifacts superimposing anatomy, jewelry not removed.
9. TWO HITS OF THE COLLIMATOR LIGHT LIMIT. Failure to complete the projection with two hits of the collimator light will result in a grade of 0 for that projection.
10. Any projection not completed within the 20 MINUTE TIME LIMIT.

LABORATORY TESTS ARE SCHEDULED THROUGHOUT THE SEMESTER. NO MAKE-UP LABORATORY TESTS WILL BE ADMINISTERED.

LABORATORY COMPREHENSIVE POSITIONING FINAL
(GEO 1, 2, 3, 5, 7) (CO 1, 6-11, 14)
A comprehensive laboratory final exam will be administered at the conclusion of the summer semester. The final laboratory examination will contain projections demonstrated during the laboratory Sessions. **Students will be given 15 minutes to complete four projections. Any projection not completed within the designated time will receive a grade of “0”. Failure to complete the following will result in a grade of “0” for the selected projection:**

1. Failure to ask pregnancy (Male and Female patients must be questioned for lab tests)
2. Failure to shield patient
3. Failure to check armband/DOB
4. Failure to obtain history/Failure to identify self to patient
5. Incorrect or absence of correct anatomical marker
6. Incorrect projection performed/Incorrect side of the body
7. Collimation (field size) opened larger than IR/or inaccurate collimation to IR (ex: crosswise collimation and lengthwise IR)
8. Any error resulting in an obviously repeatable image (EX: tube/IR not aligned, pertinent anatomy omitted from the collimated field, failure to have patient change into gown, artifacts superimposing anatomy, jewelry not removed.
9. TWO HITS OF THE COLLIMATOR LIGHT LIMIT. Failure to complete the projection with two hits of the collimator light will result in a grade of 0 for that projection.
10. **Any projection not completed within the 15 minute time limit.**

NO MAKE-UP COMPREHENSIVE LABORATORY FINAL WILL BE ADMINISTERED. The laboratory comprehensive positioning final examination will be completed on August 14, 2013.
COMPREHENSIVE WRITTEN FINAL EXAMINATION  
(GEO 1, 2, 3, 5, 7) (CO 1-13)  
A comprehensive final examination will be administered which will include all information covered in the 
Summer Session II in this course. **NO MAKE-UP FINAL WILL BE ADMINISTERED.**

COMPREHENSIVE IMAGE FINAL EXAMINATION  
(GEO 1, 2, 3) (CO 1, 6-11)  
A comprehensive image final examination will be administered which includes all information covered the 
entire Summer Session II in this course. Students will identify radiographic projections, anatomical 
structures and evaluation criteria. **NO MAKE-UP FINAL WILL BE ADMINISTERED.**

ACCURATE SPELLING OF ANATOMICAL STRUCTURES  
Spelling counts on quizzes, tests, and assignments. Students are expected to spell anatomical structures 
correctly. Anatomical structures spelling incorrectly will be marked as incorrect.
THE STUDENT'S FINAL GRADE IS CALCULATED BY DETERMINING THE AVERAGE (MEAN) OF THE FINAL LECTURE SECTION GRADE AND THE FINAL LABORATORY SECTION GRADE.

LECTURE COURSE EVALUATIONS
- Lecture Final: 30%
- Film Final: 30%
- Lecture Tests: 30%
- Lecture Quizzes & Assignments:
  - Quizzes: 10%
  - Workbook: 10%
  - Paper: 10%

LABORATORY COURSE EVALUATIONS
- Laboratory Final: 50%
- Laboratory Tests: 40%
- Lab Quizzes & Assignments: 10%

GRADING SCALE
- A: 93-100, Excellent
- B: 84-92, Good
- C: 75-83, Average
- D: 66-74, Poor
- F: 0-65, Failing

A FINAL GRADE BELOW A 75.0% IN EITHER THE LECTURE OR LABORATORY PORTION OF THE COURSE RESULTS IN COURSE FAILURE AND DISMISSAL FROM THE RADIOLOGIC TECHNOLOGY PROGRAM. GRADES ARE NOT ROUNDED. A FINAL GRADE OF 74.9% WILL RESULT IN COURSE FAILURE AND DISMISSAL FROM THE RADIOLOGIC TECHNOLOGY PROGRAM.
## Tentative Laboratory Schedule

**Laboratory Hours:** 8:30-3:30  
**Lunch:** 11:00 – 12:00

<table>
<thead>
<tr>
<th>Tuesday</th>
<th>Wednesday</th>
</tr>
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<tbody>
<tr>
<td>7/1/14  Chapter 4</td>
<td>7/2/14  Chapter 4</td>
</tr>
<tr>
<td>7/8/14  Chapter 4</td>
<td>7/9/14  Chapter 4</td>
</tr>
<tr>
<td>7/15/14  <strong>TEST ONE</strong></td>
<td>7/16/14  <strong>TEST ONE</strong></td>
</tr>
<tr>
<td>7/22/14  Chapter 2</td>
<td>7/23/14  Chapter 2</td>
</tr>
<tr>
<td>7/29/14  Chapter 3</td>
<td>7/30/14  Chapter 3</td>
</tr>
<tr>
<td>8/5/14  <strong>TEST TWO</strong></td>
<td>8/6/14  <strong>TEST TWO</strong></td>
</tr>
</tbody>
</table>

**8/13/14  **FINAL LABORATORY EXAMINATION**

***Remedial Laboratory Test Times TBA***
# Tentative Lecture Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Chapter(s)</th>
</tr>
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<tbody>
<tr>
<td>July 3rd</td>
<td>Chapter 1: General Anatomy, Terminology, and Positioning Principles,</td>
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<tr>
<td></td>
<td>Chapter 4: Upper Limb</td>
</tr>
<tr>
<td>July 10th</td>
<td>Chapter 4: Upper Limb</td>
</tr>
<tr>
<td>July 17th</td>
<td><strong>TEST ONE CHAPTERS 1 AND 4</strong></td>
</tr>
<tr>
<td></td>
<td>Chapter 2: Chest</td>
</tr>
<tr>
<td>July 24th</td>
<td>Chapter 2: Chest</td>
</tr>
<tr>
<td>July 31st</td>
<td>Chapter 3: Abdomen</td>
</tr>
<tr>
<td>August 7th</td>
<td><strong>TEST TWO CHAPTERS 2 AND 3</strong></td>
</tr>
<tr>
<td></td>
<td>Chapter 1: Radiographic Image Analysis Textbook</td>
</tr>
<tr>
<td></td>
<td>Review for Comprehensive Final Examination</td>
</tr>
<tr>
<td>August 11th</td>
<td><strong>Comprehensive Image Final Examination</strong> 9:00 - 12:00</td>
</tr>
<tr>
<td></td>
<td><strong>Comprehensive Lecture Final Examination</strong> 1:00 - 4:00</td>
</tr>
</tbody>
</table>
**Tentative Workbook Assignment Schedule**

All workbook assignments should be completed after review of corresponding chapter in textbook.

All workbooks are due **prior to the exam on the Due Date.**

The following assignments are from the **Radiographic Positioning & Related Anatomy Workbook**

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Chapter</th>
<th>Review Exercises</th>
<th>Self-Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>17</td>
<td>Chapter 1: Terminology, Positioning, and Imaging Principles</td>
<td>A – C</td>
<td>A-C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chapter 4: Upper Limb</td>
<td>A – E</td>
<td></td>
</tr>
<tr>
<td>August</td>
<td>7</td>
<td>Chapter 2: Chest</td>
<td>A – C</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chapter 3: Abdomen</td>
<td>A – B</td>
<td></td>
</tr>
</tbody>
</table>

The following assignment is from the **Radiographic Image Analysis Workbook:**

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Chapter</th>
<th>Guidelines</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>August</td>
<td>7</td>
<td>Chapter 1</td>
<td>pp 1-40</td>
<td></td>
</tr>
</tbody>
</table>
Radiographic Positioning Labeling Packets

July 17th

Upper Limb
  Fingers
    - PA
    - PA Oblique
    - Lateral
  Thumb
    - AP
    - PA Oblique
    - Lateral
  Hand
    - PA
    - PA Oblique
    - Lateral (Fan)
  Wrist
    - PA
    - PA Oblique
    - Lateral
    - Scaphoid
  Forearm
    - AP
    - Lateral
  Elbow
    - AP
    - AP Oblique Lateral Rotation,
    - Lateral

August 7th

Chest
  - PA
  - Lateral
  - Lateral Decubitus
  - AP Lordotic
Abdomen
  - AP Supine (Flat)
  - AP Erect
  - Lateral Decubitus
<table>
<thead>
<tr>
<th>Criteria (21 Points)</th>
<th>0 Needs Improvement</th>
<th>2 Basic</th>
<th>3 Meets Expectations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spelling/Grammar</strong></td>
<td>Does not demonstrate coherent sentence structure or knowledge of spelling and or grammatical rules as expressed in the English Language.</td>
<td>No more than three spelling/grammatical or sentence structure errors are noted.</td>
<td>Paper is free of spelling/grammatical and sentence structure errors. Language is concise and easily understood by the reader.</td>
</tr>
<tr>
<td><strong>Length Requirement</strong></td>
<td>Paper has less than 450 words.</td>
<td>Paper has 450 to 499 words in the content section.</td>
<td>Paper has a minimum of 500 words. The word count DOES NOT include the title or works cited page. This is CONTENT only.</td>
</tr>
<tr>
<td><strong>Content information on the procedure</strong></td>
<td>Does not explain all of the content requirements, or explains content with more than 3 errors.</td>
<td>Explains the content information with 1-2 errors.</td>
<td>The student correctly explain the patient preparation for the exam, what questions should be included for the patient history and explanation of the steps of the procedure.</td>
</tr>
<tr>
<td><strong>Evaluation Criteria</strong></td>
<td>The student gives less than 2 appropriate evaluation criteria for each projection or has more than 2 errors in criteria.</td>
<td>The student gives 2 appropriate evaluation criteria for each projection or has an error in criteria.</td>
<td>The student gives 3 appropriate evaluation criteria for each projection.</td>
</tr>
<tr>
<td><strong>Explains a Lesson Learned</strong></td>
<td>Does not explain lesson learned</td>
<td>Explains a lesson learned through researching the selected topic.</td>
<td></td>
</tr>
<tr>
<td><strong>Works cited in APA Format</strong></td>
<td>Does not provide references in APA format.</td>
<td>Textbook resources are cited in APA format.</td>
<td></td>
</tr>
<tr>
<td><strong>Paper Components</strong></td>
<td>Paper does not include a title page, 500 words of content, and works cited page.</td>
<td>Paper includes a title page, a minimum of 500 words of content, and a works cited page.</td>
<td></td>
</tr>
</tbody>
</table>

**Total Score:**

**Comments:**