

OAKLAND UNIVERSITY
SCHOOL OF HEALTH SCIENCES
Radiologic Technology Program
RAD 3420
Radiographic Procedures II

COURSE: Radiographic Procedures II
YEAR: Winter 2018
PROFESSOR: Terese A. Trost MA, RT(R)
OFFICE PHONE NUMBER: 248-364-8780
CREDITS: 2

DAY/TIME: Wed. 1:30pm – 3:45pm
OFFICE HOURS: Wed. 9:00am-10:00am
CLASS LOCATION: HHB 5015
EMAIL: trost@oakland.edu

COURSE DESCRIPTION: Instruction in radiographic anatomy, positioning and pathology of the femur, pelvis, the entire spine, and bony thorax.

COURSE OBJECTIVES/LEARNING OUTCOMES:

Chapters 7-10

1. Identify the basic structures of the body part.
2. Differentiate among key types of pathologic conditions of the part.
4. Determine which projections or positions will best demonstrate the structures of the body part.
5. Identify proper positioning.
6. Analyze images for anatomy, pathology and diagnostic quality.

REQUIRED TEXT: Textbook (and Workbook) of Radiographic Positioning and Related Anatomy, Kenneth Bontrager, 8th edition

COURSE FORMAT: Lecture, discussion, instructor and student demonstrations, tests, assignments and retention quizzes. Material for tests and quizzes will be drawn from the text, lecture, classroom discussions and classroom activities. Participation in class activities is required.

GRADING: All grades will be averaged for the final course grade.

Four chapter tests and one final exam will be given. The final exam will be counted as 2 test grades.

Chapter tests must be passed with 75% or better to qualify for graded labs or competency attempts. Scores below 75% will require remediation and retest; however the original score will be maintained. The remediation/retest process will continue until a 75% or better is achieved on the test. The remediation/retest process must be completed within 2 weeks of the failed exam. A 10% deduction will be applied if this time frame is not met.

Four – six retention tests will be given at random times throughout the semester. The average of the retention tests will be counted as one test grade.

Workbook completion is required. 5 percentage points will be deducted from corresponding test grade for incomplete workbook on the deadline date.

Two pathology assignments will count as one test grade.

Grades are not rounded.

Students are expected to come to class on time prepared to discuss text material.

Additional assignments may be required.

Pathology Assignments: This semester, each student will obtain 2 patient exams of pathologies noted in the Bontrager text. Pathologies for each body part are included in each text chapter. These 2 cases must be clinical cases that you have participated in during clinical rotations. For each case, write a 500-600 word paper describing the disease, and how it presents radiographically.

Guidelines - Each paper must:

- Be titled.

- Include the MRN and date completed.

- The pathology must be included as a finding in the radiologist's dictation.

- Include the Bontrager page number where pathology is found

- Use a 12 point font.

- Use standard margins.

- Be double spaced.

- Be written in third person.

- Be appropriately referenced:

 - Document a minimum of three references besides Bontrager.

 - In the body of the paper, indicate where each reference was used.

 - If using internet sites, reference page must include entire URL.

 - Wikipedia may be used, but will not be considered in the number of references.

- Submit paper, power point overview (see below) and Writing Center proof if applicable, electronically with title of presentation on the subject line.

See attached rubric for grading details.

Due dates noted on course outline. Case topics may come from any chapter from the Bontrager text noted in the pathology section. Students may not reuse topics from previous semesters nor other classes. If you are unsure of your topic selection, please feel free to discuss your selection with me.

Submitted electronically by 11:59pm on the due date. I will accept only one submission from each student. Corrected submissions will not be accepted.

Late submissions (after the due date) will not be accepted and will earn a grade of "0". Remediation completion and retest must take place within 2 weeks of the original test date.

Grading Scale: a grade of 75% is required to pass this class and to continue in the RAD program.

Percent	Grade point	Percent	Grade point	Percent	Grade point	Percent	Grade point
97-100	4.0	85	3.2	74	2.4	66	1.6
96	3.9	84	3.1	73	2.3	65	1.5
95	3.8	80-83	3.0	72	2.2	64	1.4
94	3.7	79	2.9	71	2.1	63	1.3
93	3.6	78	2.8	70	2.0	62	1.2
90-92	3.5	77	2.7	69	1.9	61	1.1
88-89	3.4	76	2.6	68	1.8	60	1.0
86-87	3.3	75	2.5	67	1.7		

CLASS POLICIES:

1. Academic conduct
 - a. All students are expected to complete their own work unassisted by anyone else unless specified by the instructor for group assignments.
 - b. Students are expected to come to class prepared and ready to discuss course material. Complete the appropriate assignment prior to class start time.
2. Add/Drops: **Deadline for dropping this class will follow university policy.**
3. Special Considerations:
Students with disabilities, who may require special considerations should make an appointment with campus Disability Support Services, 106 North Foundation Hall, phone 248 370-3266. Students should also bring their needs to the attention of the instructor as soon as possible. For academic help, such as study and reading skills, contact the Academic Skills/Tutoring Center, 103 North Foundation Hall, phone 248 370-4215.
4. Attendance - Students are expected to attend all scheduled class meetings. The course grade will be reduced based on attendance as follows:
 - a. 2 absences = -2% from overall grade
 - b. 3 absences = -5% from overall grade
 - c. 4 absences = -10% from overall grade
 - d. 5 absences = -15% from overall grade
 - e. 6 absences = failure of class

Tardiness – Tardiness means arriving to class after the scheduled time. Each accumulation of 2 tardies will equal one absence (see above) Tardiness in excess of 15 minutes will be considered an absence.
5. Assignments must be completed on time. Late assignments will not be accepted and a grade of “0” will be earned.
6. If you know that you will miss a scheduled test/exam/assignment, contact the instructor for options. Students that miss a grade, but take it before the scheduled date will not suffer grade reduction. Students that miss a scheduled test/exam may still earn a grade, if approved by the instructor, but the grade will be reduced by 10%. Unannounced quizzes are not taken in advance nor made up afterward. A grade of “0” will be earned for missed unannounced quizzes.
7. No on-line activity is required.
8. Students will come to class dressed appropriately. No hats, bare shoulders, revealing or ripped clothing is allowed. Students dressed inappropriately will leave class for the remainder of the class period and charged with an absence.

9. Cell phones must be turned OFF while in class. If a cell phone makes an audible noise during class, the student will immediately leave the class for the remainder of the class period. Leaving class for this issue will be considered an absence. Since classroom telephones are not available, safety concerns require the instructor to have a cell phone in the classroom and available for emergency notifications.
10. Instructor is available for contact during office hours and via e-mail or office phone.
11. Athletes requiring an altered schedule must meet privately with the instructor within the first semester week.
12. Students leaving the classroom during any test (quiz, exam, etc.) will not be re-admitted to the classroom until the test is over. Tests will be considered submitted upon leaving the classroom. In this event, students will forfeit their ability to complete any unfinished test items or utilize any remaining test time.
13. Tests and quizzes will be available for review for up to two weeks after the exam was given.

TENTATIVE COURSE OUTLINE - RAD 3420 Radiographic Procedures II
Workbooks assignments are due at the beginning of class.

<u>Date</u>	<u>Topic(s)</u>	<u>Readings/Assignments Due</u>
1/3/2018	Overview Chapter 7	Chapter 7
1/10	Chapter 7	
1/17	Chapter 7	Workbook due
1/24	Chapter 7 test Chapter 8	Chapter 8
1/31	Chapter 8	
2/7	Chapter 8	Workbook due
2/14	Chapter 8 test	
2/21	No class	
2/27		<u>Pathology Assignment due</u>
2/28	Chapter 9	Chapter 9
3/7	Chapter 9	
3/14	Chapter 9	Workbook due
3/21	Chapter 9 test	Pathology 1 Review Presentations

3/28	Chapter 10	Chapter 10
4/3		<u>Pathology Assignment due</u>
4/4	Chapter 10	Workbook due
4/11	Chapter 10 test	Pathology 2 Review Presentations
4/18	Study Day	
4/26	Final Exam	

These positions included in the following chapters will not be included this semester:

Chapter 7 – Cleaves, Teufel, Clements-Nakayama

Chapter 8 – Cervical hyperflexion and hyper extension, Ottonello, Pillars and Thoracic obliques

Chapter 9 – Ferguson, AP bending, Lateral hyperextension and hyperflexion, L5-S1 AP Axial

Chapter 10 – SC joints

Pathology Assignment Rubric – Junior

Note – Students submitting this assignment to the MSRT and meeting all MSRT submission requirements will receive 20 additional points on this assignment.

	Excellent 4 pts.	Good 3 points	Fair 2 points	Poor 1 point	Unacceptable 0 points
Content and Development	Content is accurate. Major points are stated clearly and are well supported. Concepts are clearly discussed in sufficient detail. Content and purpose of the writing are clear.	Content is accurate. Major points are addressed, but not well supported. Knowledge seems limited or does not address topic well.	Content is not supported, unstated or unclear. 30-45% of content is direct citations. Vague purpose or focus.	Content is poorly supported or major points are unclear or undeveloped. 50% or more of content is direct citation.	
Grammar, Punctuation, Spelling	Rules of grammar, usage and punctuation are followed and spelling is correct. Language is clear and precise. Sentences display varied structure.	Assignment contains no more than 1 grammatical, punctuation, or spelling error.	Assignment contains more than 1 grammatical, punctuation or spelling error. Language lacks clarity or includes the use of some jargon or conversational tone.	Assignment contains several grammatical, punctuation or spelling errors or language uses mostly jargon or conversational tone.	
Format	Follows designated guidelines. Assignment is the appropriate length. Dated review from OU Writing Center is e-mailed with assignment	Follows all guidelines.	One guideline missing.	Does not follow more than one guideline or unprofessional format.	
Organization and Structure	Structure of writing is clear and easy to follow. At least 3 points of impact regarding the subject.	Structure of the writing is not easy to follow, paragraph transitions need improvement. At least 2 points of impact noted.	Structure is not easy to follow and needs more information about the topic.	Organization and structure detract from the message of the writer. Writing is disjointed and lacks transition of thought.	
Oral Summary	Well planned, and well delivered. Summarized main points. Generated interest in topic. Professional presentation. Respectful of all presenters.	Well planned or well delivered. Summarized main points.	Little interest generated or conveyed.	Poorly delivered or poorly planned.	Disrespectful of any presenter.

Comment