

OAKLAND UNIVERSITY
SCHOOL OF HEALTH SCIENCES
Radiologic Technology Program
RAD 3450
Image Evaluation I

COURSE: Image Evaluation I

YEAR: Winter 2018

PROFESSOR: Terese A. Trost MA, RT(R)

OFFICE PHONE NUMBER: 248-364-8780

CREDITS: 2

DAY/TIME: Monday 11:00am-1:15pm

OFFICE HOURS: Mondays 9am-10am

CLASS LOCATION: HHB 5015

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COURSE DESCRIPTION: An in depth study of basic radiographic images focusing on critique of images based on positioning and pathology.

REQUIRED TEXT: Textbook of Radiographic Positioning and Related Anatomy, 8th edition, Bontrager.

Students will utilize appropriate research materials, texts and other material they chose.

COURSE FORMAT:

Each student will perform one 20 minute oral/visual presentation in each “round” using Power Point. Students will participate in class discussions following the presentations.

Objectives Rounds 1-3

The student is responsible to follow these instructions:

1. Obtain images of the assigned exam. The exam should be one that you have participated in during your clinical rotation. Topics are assigned by the instructor.
2. Obtain the images needed from the hospital as directed – you are responsible for appropriate access to patient information and appropriate HIPAA compliance. A presentation grade of “0” will be assigned if HIPAA is violated.
3. Orally and visually (using PowerPoint) present your case. Presentation must include required elements below.
4. Required elements:
 - a. Images of the pathology- no patient information may be included on presentation slides. Submit MRN verbally to instructor.
 - b. Describe your patient’s condition, situation and history
 - c. Present your evaluation of each image using all “Evaluation Criteria” listed in the Bontrager text (Pink box)
 - i. Each sentence in the pink box is one or more evaluation points – include every point and explain if met or not met.
 - ii. ***remember, you are evaluating the images, not the radiographer nor the situation.
 - d. Read the radiologists report aloud – correlate with images as needed.
 - e. Explain any pathology noted in report. Utilize professional references as appropriate.
 - f. Define any medical words used.
 - g. 3 specific learning objectives

- h. Explanation of disease depicted if demonstrated, and other interesting information (if applicable)
- i. Reference list, if applicable. Identify where each reference was used – include complete reference information
- j. If a disease is noted, include differentiation between signs / symptoms and designation of acute / chronic
- k. technical and patient considerations
- l. 5 multiple choice, clinical related, situational judgement questions and answers regarding your topic. Submit these questions separately electronically in a Word document.
Do not share these questions with your classmates.
- m. Submit electronically with title of presentation on the subject line. I will accept only one submission from each student. Corrected submissions will not be accepted.

Notes may be used, but do not simply read your presentation.

By 11:59pm on the day before the presentation, e-mail a copy of your presentation to me AND to each of your classmates. 10 points will be deducted from presentation grade for not meeting this deadline.

- 5. Student audience members will be respectful of all presenters by being attentive and present for all presentations.

GRADING: Two tests, two presentations and a final exam will be graded and averaged for the final grade. The final exam will count as two test grades. Final exam will consist of images only.

Test information will only include items underlined in #4 above.

Students are expected to participate in class discussions every class period. One overall percentage point will be deducted from the final grade for each incident of lack of participation or inappropriate classroom behavior (inappropriate behavior includes leaving classroom during presentations, inattentive demeanor, disruptive behavior, absence, unprofessional behavior, etc.). Presenters will not delay presentations waiting for audience members to be ready.

Presentations will be graded according to the rubric attached. Grades are not rounded.

If a presentation is missed due to presenter absence, the presenter might be allowed to present at another date if time permits. In this instance, the presentation grade will be reduced by 10%. If time does not permit a new presentation date to be assigned, a grade of zero for the presentation will be assigned.

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.
 - a. Academic conduct policy: 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. Complete the appropriate reading 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/presentation 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, visible undergarments, 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. 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 3450 Image Evaluation I – Winter 2018

Date	Topic(s)	Presentations
1/8/2018	Review course expectations	
1/15	No class	
1/22	Round 1 begins	4 presentations
1/29	Round 1	4 presentations
2/5	Round 1	4 presentations
2/12	Round 1	4 presentations
2/19	No class	
2/26	Test on Round 1 presentations	
3/5	Round 2	4 presentations
3/12	Round 2	4 presentations
3/19	Round 2	4 presentations
3/26	Round 2	4 presentations
4/2	Catch up if needed	
4/9	Test on Round 2 presentations	
4/16	Review for final exam	
4/23	Final Exam	

Position _____

Criterion

Evaluation

Criterion	Evaluation

Sample slide

Note – more than one slide might be needed to include all criteria.

Lateral

Positioning

C1 through C7-T1 intervertebral joint spaces are clearly seen. If upper margin of T1 is not demonstrated, additional images such as the cervicothoracic lateral should be obtained	Met
The rami of the mandible do not superimpose C1 to C2	Met
The right and left articular pillars and zygapophyseal joints should be superimposed for each vertebra.	Met
The bodies should be free of superimposition of the articular pillars and the spinous process seen in profile.	Met
Collimation to area of interest	Not met



Topic _____

Student Name: _____

CATEGORY	10	9	8	7	6	5	4	3	2	1
Time-Limit	Presentation is 19-20 minutes long.	Presentation is too long or too short by 1-3 minutes.			Presentation is too long or too short by 4-6 minutes.				Presentation is too long or too short by 7-9 minutes.	
Speaks Clearly	Speaks clearly and distinctly all (100-95%) the time, and mispronounces no words. More than 4 medical words included - defines them.	Speaks clearly and distinctly all (100-95%) the time, but mispronounces one word. Defines 4 medical words.			Speaks clearly and distinctly most (94-85%) of the time. Mispronounces more than one word. Less than 4 medical words or poor definitions.				Difficult to understand diction. Mispronounces more than one word. Less than 4 medical words and poor definitions	
Visual Aids Including Power Point	Includes a visual in addition to Power Point. Shows considerable work/creativity. Includes and explains all criteria.	Power point is put together well. Includes all criteria.			Missing 1 criterion. Difficult to see images or information.				Visuals detract from the presentation. Missing more than 1 criterion.	
Posture and Eye Contact	Stands up straight, appears relaxed and confident. Establishes eye contact with everyone in the room during the presentation.	Stands up straight and establishes eye contact with everyone in the room during the presentation.			Sometimes stands up straight or establishes eye contact with everyone..				Slouches and/or does not look at audience during the presentation.	
Volume	Volume is loud enough to be heard by all audience members throughout the presentation.	Volume is loud enough to be heard by all audience members at least 90% of the time.			Volume is loud enough to be heard by all audience members at least 80% of the time.				Volume often too soft to be heard by all audience members most of the time.	
Enthusiasm	Facial expressions and body language generate a strong interest and enthusiasm in others about the topic.	Facial expressions and body language sometimes generate a strong interest and enthusiasm in others about the topic.			Facial expressions and body language are used to try to generate enthusiasm, but seem somewhat insincere.				Very little use of facial expressions or body language. Did not generate much interest in topic being presented.	
Comprehension	Student is able to accurately answer all questions posed by classmates about the topic. Appropriate depth of information.	Student is able to accurately answer most questions posed by classmates about the topic. Appropriate depth of information.			Student seems unsure of answers to questions posed by classmates about the topic.				Student is unable to accurately answer simple questions posed by classmates about the topic.	
Completeness	All required elements are included. Appropriate intro and conclusion.	All required elements are included.			Missing one required element.				Missing more than one required element.	
Preparedness	Provides expert analysis and insight regarding topic. Answers anticipated questions in presentation. Limited reliance on notes/slides. No typos. Business attire.	Presenter is somewhat comfortable with topic. Some reliance on notes/slides. One typo.			Relied heavily on notes/slides. Not comfortable with all material. Two typos.				Not comfortable with the material. Only read from notes/slides. More than two typos.	
Questions/learning objectives	All are very clearly written and require situational judgement.	All are clearly written or require situational judgement.			Many are unclear, poorly written, too easy/difficult or not situational.				Most are difficult to understand.	

A one point deduction per category will occur for repeated errors in subsequent presentation(s).