

COURSE ASSESSMENT REPORT

I. Background Information

1. Course assessed:
 Course Discipline Code and Number: RAD 124
 Course Title: Principles of Radiographic Exposure
 Division/Department Codes: ALHD/RAD

2. Semester assessment was conducted (check one):
 Fall 2008
 Winter 20
 Spring/Summer 20__

3. Assessment tool(s) used: check all that apply.
 Portfolio
 Standardized test
 Other external certification/licensure exam (specify):
 Survey
 Prompt
 Departmental exam
 Capstone experience (specify):
 Other (specify):

4. Have these tools been used before?
 Yes
 No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.
 Yes - as the new instructor for this class, I have changed exam questions.

5. Indicate the number of students assessed/total number of students enrolled in the course.
 42

6. Describe how students were selected for the assessment.
 The entire class was used for the assessment.

II. Results

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.
 This is my first assessment of the course as the new instructor.

2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus.
 1. Analyze how exposure factors are modified to produce diagnostic images.
 2. Explain how accessory equipment (intensifying screens/automatic exposure controls) is used to produce diagnostic radiographs.

3. Briefly describe assessment results based on data collected during the course assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. **Please attach a summary of the data collected.**
Outcome 1: Data from unit test 4 indicates students understand the importance of manipulating exposure factors to produce diagnostic images for medical interpretation. The manipulation of exposure factors can have a major influence on density and contrast demonstrated on the radiographic image.

Outcome 2: Data from this assessment indicate students understand the physical principles of intensifying screens but have some difficulty with conversion calculations for relative speed changes.

4. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. **Please attach the rubric/scoring guide used for the assessment.**
 Data sheet attached

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5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

Strengths: Students understand the importance of manipulating exposure factors (i.e., kilovoltage peak and milliamperage/second) and its influence on radiographic image quality. Students also understand how the use of certain accessory equipment can influence radiographic quality and patient exposure.

Weaknesses: There needs to be some improvement in the area of conversion factors for intensifying screens.

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses.
 Create PowerPoint module for students to view prior to actual lecture. Provide additional homework questions and internet reference sites for student viewing.

2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.

a. Outcomes/Assessments on the Master Syllabus
 Change/rationale:

b. Objectives/Evaluation on the Master Syllabus
 Change/rationale:

c. Course pre-requisites on the Master Syllabus
 Change/rationale:

d. 1st Day Handouts
 Change/rationale:

e. Course assignments
 Change/rationale: PowerPoint module with additional homework questions

f. Course materials (check all that apply)
 Textbook
 Handouts
 Other: assign websites on subject

g. Instructional methods
 Change/rationale:

h. Individual lessons & activities
 Change/rationale:

3. What is the timeline for implementing these actions? These changes will be implemented in the '09 fall semester.

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course.
 Both assessment tools used were helpful in assessing the content areas specified in the learning outcomes.
2. If the assessment tools were not effective, describe the changes that will be made for future assessments.

3. Which outcomes from the master syllabus have been addressed in this report?

All _____ Selected X

If "All", provide the report date for the next full review: _____.

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If "Selected", provide the report date for remaining outcomes: Fall ~~2007~~ 2010

Submitted by:

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Print: <u>Connie Foster</u> Department Chair	Signature: <u>[Signature]</u>	Date: <u>5/21/09</u>
Print: <u>[Signature]</u> Dean/Administrator	Signature: <u>[Signature]</u>	Date: <u>8/21/09</u>