

Assessment: Course Four Column



Courses (HHS) - Radiology Technology

RAD 116:Radiography I

Course Outcomes	Assessment Measures	Results	Actions
<p>Identify and demonstrate standard positioning - Identify and demonstrate standard positioning, centering, and landmarks used for radiographic procedures</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2022-2023</p>	<p>Exam -</p> <ul style="list-style-type: none"> Lab assessments Chapter quizzes Workbook Ch. 2-10 Final lab assessment Final written exam <p>Criterion:</p> <ul style="list-style-type: none"> lab assessments must be completed with a 76% or higher on the first attempt or with an average of 76% of an original exam and repeat exam. chapter quizzes must be completed with a 76% or higher. workbook chapters 2-10 must be 90% complete. final written exams must be complete with a 76% or higher. final lab assessment exams must be completed with a 76% or higher 	<p>Reporting Period: 2017-2018</p> <p>Criterion Met: No</p> <ol style="list-style-type: none"> 3/11 students completed 100% of lab assessments with a 76% or higher on the first attempt or with an average of 76% of an original exam and repeat exam. 1 student completed 1/7 lab assessments with a 76% or higher. This student was excused from the program during the course due to academic performance. 1 student completed 8/11 lab assessments with a 76% or higher, 4 students completed 9/11 lab assessments with a 76% or higher and 2 students completed 10/11 lab assessments with a 76% or higher. Each student was provided a remediation session after each failed assessment. 3/11 students completed 11/11 chapter quizzes with a 76% or higher. 1 student completed 7 /11 quizzes with >76%, 2 students completed 8/11 quizzes with >76%, 2 students completed 9/11 quizzes with >76% and 3 students completed 10/11 quizzes with >76%. Students were counseled on study habits after a failed quiz and received more formal unsatisfactory notices and counseling after failure of 3 quizzes. 10/10 notebooks were 90% complete or more. 9/10 students completed final written exams with a 76% or higher. 1 student had a 68%. After counseling this student chose to withdraw from the program. 	<p>Action:</p> <ol style="list-style-type: none"> The piloted lab rubric will be slightly adjusted; increasing the probability a student could receive a 76% with a repeat image, which was nearly impossible on the piloted rubric. Students who fail a lab assessment will continue to be provided remediation and retesting options until they pass the assessment. Students will be encouraged to complete lab positioning matrices in every lab. Struggling students will be encouraged to schedule extra lab time as necessary. To address written quiz failure, students will be coached on study strategies and expected time commitments. (01/14/2019)

Course Outcomes	Assessment Measures	Results	Actions
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5. 10/10 students completed the final lab assessment with a 76% or higher

Results Analysis:

1. Criterion for successful lab assessment was not met. One struggling student had a significant impact on the course statistics before being excused from the program. In addition, a new rubric with very high standards was piloted during this course resulting in significantly higher requirements for passing.
2. Criterion for chapter quiz completion with greater than 76% was not met. This is partially attributed to two struggling students who were released or dropped the program. In addition, requiring the quizzes to be completed closed book with one minute per question time constraints and the use of a lockdown browser, may have affected the pass rate.
3. Notebooks were completed appropriately.
4. Written finals pass rates nearly met criteria with the exception of one struggling student who subsequently withdrew from the program.
5. Final lab assessment pass rates met criteria. (01/14/2019)

Radiation protection and positioning aids, such as sponges - Demonstrate the use of radiation protection and positioning aids, such as sponges.
Course Outcome Status: Active
Next Assessment: 2022-2023

Quiz -

- Lab assessments
- Chapter 1 quiz
- Final positioning assessment

Criterion:

- Lab assessments must be completed with a yes in the preparation section, #1 and radiation Protection section #3 of the rubric on 76% of exams
- Chapter 1 quizzes must be completed with a 76% or higher.
- Final lab assessments must be completed with a yes in the Preparation section, #1 and Radiation Protection section #3 of the rubric.

Reporting Period: 2017-2018

Criterion Met: No

1. 11/11 students received a yes on lab assessments Preparation section, #1 and Radiation Protection section #3 of the rubric.
2. 5/11 students completed chapter 1 quiz with a 76% or higher. All students failing this quiz received counseling and study/test taking recommendations.
 - 10/10 students completed the final lab assessments with a yes in Preparation section, #1 and Radiation Protection section #3 of the rubric.

Results Analysis:

1. Students met lab assessment criterion for radiation protection and positioning aids.
2. Criterion for successful completion of chapter 1

- Action:**
1. Continue encouraging room preparation and radiation protection in lab and lecture course components.
 2. Coach students on study strategies, reading expectations and expected course time commitments.
 3. Review questions similar to quiz questions in class.
 4. Ensure most quiz content is covered in lecture. (01/14/2019)

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<p>Appropriate supplies needed for a radiographic procedure, adapt procedures and explain procedure - Assemble appropriate supplies needed for a radiographic procedure, adapt procedures to each patient's needs or circumstances and explain the radiographic procedure to patients and other health care professionals.</p> <p>Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Assessment - • Lab Assessments</p> <ul style="list-style-type: none"> • Final Positioning Assessment <p>Criterion: • lab assessments must be completed with a 76% or higher on the first attempt or with an average of 76% of an original test and repeat exam.</p> <ul style="list-style-type: none"> • Final lab assessments must be completed with a 76% or higher. 	<p>Reporting Period: 2017-2018 Criterion Met: No</p> <ol style="list-style-type: none"> 1. 3/11 students completed 100% of lab assessments with a 76% or higher on the first attempt or with an average of 76% of an original exam and repeat exam. 1 student completed 1/7 lab assessments with a 76% or higher. This student was excused from the program during the course due to academic performance. 1 student completed 8/11 lab assessments with a 76% or higher, 4 students completed 9/11 lab assessments with a 76% or higher and 2 students completed 10/11 lab assessments with a 76% or higher. Each student was provided a remediation session after each failed assessment. 2. 10/10 students completed the final lab assessment with a 76% or higher <p>Results Analysis:</p> <ol style="list-style-type: none"> 1. Criterion for successful lab assessment was not met. One struggling student had a significant impact on the course statistics before being excused from the program. In addition, a new rubric with very high standards was piloted during this course resulting in significantly higher requirements for passing. 2. Final lab assessment criterion was easily met. The struggling student was released from the program prior to this exam and was, therefore, not included in the results. The piloted lab assessment rubric used in other labs was slightly modified to make a 76% with minor mistakes or a repeat exam more attainable. (01/14/2019) 	<p>Action: 1. The piloted lab rubric will be slightly adjusted, increasing the probability a student could receive a 76% with a repeat image, which was nearly impossible on the piloted rubric.</p> <p>2. Students will be encouraged to complete lab positioning matrices in every lab.</p> <p>3. Struggling students will be encouraged to schedule extra lab time as necessary.</p> <p>4. The final lab assessment rubric will be employed in all lab assessment. (01/14/2019)</p>
<p>Positioning, anatomy, pathology and quality - Evaluate images for positioning, anatomy, pathology and</p>	<p>Quiz - • Workbook chapters 2-10</p> <ul style="list-style-type: none"> • Chapter quizzes • Final written exam 	<p>Reporting Period: 2017-2018 Criterion Met: No</p>	<p>Action: 1. Encourage extensive study time and good</p>

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<p>quality.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2022-2023</p>	<ul style="list-style-type: none"> Final positioning assessment Pop quizzes <p>Criterion: • Workbook chapters 2-10 must be completed at 90% or greater.</p> <ul style="list-style-type: none"> chapter quizzes must be completed with a 76% or higher. Final written exam must be completed with a 76% or higher. final positioning assessments must be completed with a 76% or higher on the first attempt. pop quizzes must be completed with a 70% or higher. 	<ol style="list-style-type: none"> 10/10 workbooks were >90% complete. 3/11 students completed 11/11 chapter quizzes with a 76% or higher. 1 student completed 7 /11 quizzes with >76%, 2 students completed 8/11 quizzes with >76%, 2 students completed 9/11 quizzes with >76% and 3 students completed 10/11 quizzes with >76%. Students were counseled on study habits after a failed quiz and received more formal unsatisfactory notices and counseling after failure of 3 quizzes. 9/10 students completed final written exams with a 76% or higher. 1 student had a 68%. After counseling this student chose to withdraw from the program. 10/10 students completed the final lab assessment with a 76% or higher 0/11 students completed 4/4 pop quizzes with a 70% or higher. 4 students completed 3/4 with >70%, 1 student completed 2/4 with >70%, 4 students completed 1/4 with >70% and 2 students completed 0/4 with >70%. <p>Results Analysis:</p> <ol style="list-style-type: none"> Student performance on chapter quizzes did not meet criteria. This may be due to a number of struggling students that dropped or were released from the program as well as unfamiliarity with timed multiple choice tests. Student performance on the final written exam met criteria. Student performance on the final lab assessment met criteria. Student performance on pop quizzes was well below criteria. This may be due to students not thoroughly reading assigned chapters before class or the questioning pool being too large. (01/14/2019) 	<ol style="list-style-type: none"> test taking techniques to improve quiz performance. Encourage positioning matrices be completed for every lab, consider adding a point assessment to this. Stress the importance of reading material and systematic study habits to improve pop quiz performance. Narrow pop quiz questioning to the chapter of focus and find new assessment method to verify retention, such as unit tests/quizzes. (01/14/2019)
<p>Special radiographic images that may be used to provide extra information</p> <p>- Identify and simulate performance of special radiographic images that may be used to provide extra information to a basic radiographic exam.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2022-2023</p>	<p>Quiz - •</p> <ul style="list-style-type: none"> Lab assessments Chapter quizzes Final written exam Final positioning exam Pop quiz <p>Criterion: • Lab assessments must be completed with a 76% or higher on the initial test or with an</p>	<p>Reporting Period: 2017-2018</p> <p>Criterion Met: No</p> <ol style="list-style-type: none"> 3/11 students completed 100% of lab assessments with a 76% or higher on the first attempt or with an average of 76% of an original exam and repeat exam. 1 student completed 1/7 lab assessments with a 76% or higher. This student was excused from the program during the course due to academic performance. 1 student 	<p>Action: 1. The revised lab rubric employed in the final lab assessment for this course will be used on all lab assessments going forward. Students will be encouraged to complete positioning matrices during each lab, and open lab time will be</p>

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	<p>average of a failed test and repeat test.</p> <ul style="list-style-type: none"> • chapter quizzes must be completed with a 76% or higher. • Final written exam must be completed with a 76% or higher. • final positioning assessments must be completed with a 76% or higher on the first attempt. 	<p>completed 8/11 lab assessments with a 76% or higher, 4 students completed 9/11 lab assessments with a 76% or higher and 2 students completed 10/11 lab assessments with a 76% or higher. Each student was provided a remediation session after each failed assessment.</p> <p>2. 3/11 students completed 11/11 chapter quizzes with a 76% or higher. 1 student completed 7 /11 quizzes with >76%, 2 students completed 8/11 quizzes with >76%, 2 students completed 9/11 quizzes with >76% and 3 students completed 10/11 quizzes with >76%. Students were counseled on study habits after a failed quiz and received more formal unsatisfactory notices and counseling after failure of 3 quizzes.</p> <p>3. 9/10 students completed final written exams with a 76% or higher. 1 student had a 68%. After counseling this student chose to withdraw from the program.</p> <p>4. 10/10 students completed the final lab assessment with a 76% or higher</p>	<p>offered for additional practice.</p> <p>2. Teach good study practices and test taking techniques to improve quiz performance. Reiterate expected study commitments frequently. Initiate early alert system for any students struggling on more than one quiz.</p> <p>3. Encourage positioning matrices be completed for every lab, consider adding a point assessment to this.</p> <p>4. Encourage and help arrange study groups prior to the final exam.</p> <p>5. Assign a final exam outline to assist in studying. (01/14/2019)</p>
		<p>Results Analysis:</p> <p>1. Criteria was not met for lab assessment, partially due to individual struggling students and partially due to an over rigid assessment rubric.</p> <p>2. Criteria for chapter quizzes was not met. This may be attributed to the large number of quizzes required and a timed testing style students were not comfortable with.</p> <p>3. Student performance on the final written exam met criteria.</p> <p>4. Student performance on the final lab assessment was met. The revised rubric was used for this assessment and appears to evaluate student proficiency more accurately. (01/14/2019)</p>	<p>Follow-Up: A number of changes were implemented in this course from previous semesters. Students were required to complete online quizzes, closed book with a one minute per question time constraint and a lockdown browser. It is believed that this had a significant impact on student quiz performance, especially early in the semester.</p> <p>One student was released and one withdrew from the radiology program primarily due to their poor performance in this course. The performance of these two students significantly skewed the assessment for this small class. Improvement in assessment scores were immediately noted, following the release of the one</p>

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student.

Pop quizzes proved helpful in identifying student learning and studying gaps, but should not be relied upon for assessment.
(01/14/2019)