

**Course SLO Assessment Report - 4-Column**  
**El Camino College**  
**El Camino: Course SLOs (HSA) - Radiologic Technology**

Course SLOs	Assessment Methods & Standard and Target for Success / Tasks	Results	Action & Follow-Up
<p>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: MED TECH 1 - Medical Terminology - SLO #1 Formulate - Students will formulate medical terms by properly arranging prefixes, suffixes, word roots and combining forms. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</p> <p><b>Course SLO Assessment Cycle:</b>            2013-14 (Spring 2014)            2016-17 (Spring 2017)</p> <p><b>Input Date:</b>            11/08/2013</p> <p><b>Course SLO Status:</b>            Active</p>	<p><b>Assessment Method Description:</b>            Students will demonstrate their knowledge of medical terms by completing a multiple choice 15 question quiz.</p> <p><b>Assessment Method:</b>            Exam/Test/Quiz</p> <p><b>Standard and Target for Success:</b>            It is expected that 85% of students will score 75% or above on this SLO.</p> <p><b>Related Documents:</b>  <a href="#">Unit 14 Fall 2013.doc</a></p>	<p>03/12/2014 - 40 students took a 15 point quiz on the male reproductive system. Following are the statistics:            15 - 13.5 90% A 30 students            13 - 12 80% B 6 students            11.5 - 10 70% 1 student            9.5 - 8 60% D 0 students            7.5 - 50% F 3 students</p> <p>TOTALS: 37 students passed with a 75% or better            3 students failed</p> <p>As evidenced by the student understanding of medical terms with 92.5% of students having achieved a score of 75% or better, the students have achieved the SLO standards.</p> <p><b>Standard Met? :</b>            Yes</p> <p><b>Semester and Year Assessment Conducted:</b>            2012-13 (Spring 2013)</p> <p><b>Faculty Assessment Leader:</b>            Josephine Moore</p> <hr/> <p>12/18/2013 - 40 students completed the 15 point multiple choice quiz. The material was from material studied in their textbook as homework. The material is reviewed and then a quiz is provided. There were 40 students with scores as follows:            A 90% - 15 - 13.5 30 students            B 80% 13 - 12 6 students            C 70% 11.5 - 10 1 students            D 60% 9.5 - 8 0 students            F 50% 7.5 - 3 students            37 students finished above the 75% rate.</p> <p><b>Standard Met? :</b>            Yes</p> <p><b>Semester and Year Assessment Conducted:</b>            2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b>            Rusell Serr</p>	<p>03/12/2014 - I have recently added the Etudes component to the medical terminology course. I feel that this hybrid of the course will help students reach the SLO goals.</p> <p><b>Action Category:</b>            Teaching Strategies</p> <hr/>
<p>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 106 - Clinical Experience 1 - SLO #2 Radiation Safety Basics - Student will demonstrate knowledge of radiation protection and application of these principles to patients, self and staff. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</p>	<p><b>Assessment Method Description:</b>            Clinical Evaluation Form Section F (1-5)</p> <p><b>Assessment Method:</b>            Performance</p> <p><b>Standard and Target for Success:</b>            Students will score an average of 3.5 of 5 in Section F (1-5)</p>	<p>01/05/2014 - Students scored 3.85 out of 5. They met the benchmark for this SLO.</p> <p><b>Standard Met? :</b>            Yes</p> <p><b>Semester and Year Assessment Conducted:</b>            2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b></p>	<p>01/05/2014 - We will assess the data next year to see if they continually meet the benchmark. If so, we may adjust the benchmark higher.</p> <p><b>Action Category:</b>            SLO Assessment Process</p>

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<p><b>Course SLO Assessment Cycle:</b> 2016-17 (Fall 2016)</p> <p><b>Input Date:</b> 11/08/2013</p> <p><b>Course SLO Status:</b> Active</p>		<p>Mina Colunga</p> <p><b>Faculty Contributing to Assessment:</b> Dawn Charman, Colleen Mcfaul, Arshad Fazalbhoy, Naveed Hussain, Sivi Carson, Matt Trites and Tino Lopez</p>	
<p>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 107 - Clinical Experience 2 - SLO #1 Universal Precautions - Students will demonstrate the proper use of protective devices for patient safety during the radiographic procedures. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</p> <p><b>Course SLO Assessment Cycle:</b> 2013-14 (Spring 2014) 2016-17 (Spring 2017)</p> <p><b>Input Date:</b> 11/08/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> Clinical Semester evaluation</p> <p><b>Assessment Method:</b> Performance</p> <p><b>Standard and Target for Success:</b> First year students will score 3.0 out of 4 on sections G (Radiation Protection).</p>	<p>10/22/2013 - Students scored 2.9 out of 3.0 on their end of semester Clinical Evaluation Section G (Radiation Protection).</p> <p><b>Standard Met? :</b> No</p> <p><b>Semester and Year Assessment Conducted:</b> 2011-12 (Spring 2012)</p> <p><b>Faculty Assessment Leader:</b> Guillermina Colunga</p> <p><b>Faculty Contributing to Assessment:</b> Dawn Charman, Colleen McFaul, Naveed Hussain, Sivi Carson, Matthew Trites, Valentino Lopez, Arshad Fazalbhoy, Dung Truong,</p> <p><b>Reviewer's Comments:</b> DC: During practice sessions in the lab instructors will emphasize the importance of shielding during positioning practice.</p>	<p>06/30/2014 - Emphasize with clinical educators and clinical instructors the importance of students using radiation shielding.</p> <p><b>Action Category:</b> Teaching Strategies</p>
<p>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 123 - Radiographic Positioning 1A - SLO #2 Radiographic Positioning - Students demonstrate correct positioning of patients for quality radiographic exams of the Chest, Upper and Lower Extremities. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</p> <p><b>Course SLO Assessment Cycle:</b> 2016-17 (Fall 2016)</p> <p><b>Input Date:</b> 11/08/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> Lab Simulated Competency Evaluation</p> <p><b>Assessment Method:</b> Performance</p> <p><b>Standard and Target for Success:</b> There were 23 students and 8 assessments each for this course. N= 184 assessments There was one student who did not pass any of the assessment tests, and was dropped from the course. N= 178 - Excluding the failing students - the results were as follows: Ave grade for assessments: #1 Chest 88%, #2 Upper Extremity 86%, 3# Lower Extremity 82%, #4 Final Exam 83%. Benchmark set was an average of 85%. While the first two assessments exceeded the benchmark, the third and final (which are harder skill levels) did not meet the benchmark. The average for all assessments = 84.75% or 85% The benchmark was marginally met. The 85% was a random number, and may be too high of an expectation for first year, first semester students. Will continue to monitor each</p>	<p>02/10/2014 - There were 23 students and 8 assessments each for this course. N= 184 assessments. There was one student who did not pass any of the assessment tests, and was dropped from the course. N= 178 - Excluding the failing students - the results were as follows: Ave grade for assessments: #1 Chest 88%, #2 Upper Extremity 86%, 3# Lower Extremity 82%, #4 Final Exam 83%. Benchmarkset was an average of 85%. While the first two assessments exceeded the benchmark, the third and final (which are harder skill levels) did not meet the benchmark. The average for all assessments = 84.75% or 85% The benchmark was marginally met. (including the 1 failing student = results = 83.5%, and not met) The 85% was a random number, and may be too high of an expectation for first year, first semester students. Will continue to monitor each fall, to watch for trends. These results could be improved if additional open labs were offered for the students. More funding for student lab aides to help with offering open labs would be needed to meet this goal.</p>	<p>08/29/2014 - Will continue to monitor each fall, to watch for trends. These results could be improved if additional open labs were offered for the students. More funding for student lab aides to help with offering open labs would be needed to meet this goal.</p> <p><b>Action Category:</b> Program/College Support</p>

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	<p>fall, to watch for trends. These results could be improved if additional open labs were offered for the students. More funding for student lab aides to help with open labs would be needed to meet this goal.</p> <p><b>Related Documents:</b>  <a href="#">RT 123 124 233 SIM EVAL &amp; EXPOSURE FORM 2013 (Repaired).doc</a></p>	<p><b>Standard Met? :</b> Yes</p> <p><b>Semester and Year Assessment Conducted:</b> 2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b> Dawn Charman</p> <p><b>Related Documents:</b>  <a href="#">RT 123 124 233 SIM EVAL &amp; EXPOSURE FORM 2013.doc</a></p>	
<p>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 217 - Clinical Experience 4 - SLO #1 Low Exposure - Students will employ the lowest radiation exposure possible to produce quality diagnostic images. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</p> <p><b>Course SLO Assessment Cycle:</b> 2016-17 (Fall 2016) 2017-18 (Fall 2017)</p> <p><b>Input Date:</b> 11/08/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> Clinical Evaluation form Section F (1-5).</p> <p><b>Assessment Method:</b> Performance</p> <p><b>Standard and Target for Success:</b> 1st year students will average 3.5 of 5. 2nd year students will average 4 of 5.</p> <p><b>Related Documents:</b>  <a href="#">Clinical Evaluation.pdf</a></p>	<p>02/03/2014 - There 21 Clinical evaluations collected analyzing Section F (1-5). On average the students scored 3.85 of 4 on this section. The goal was to reach 4 of 5 average for second year students. Therefore, discussion needs to be had with the advisory panel in the Spring to discuss the findings, find ways to raise our scores, and figure out the deficits. We may need to consider that this is too high of a score to expect at this level of their education.</p> <p><b>Standard Met? :</b> No</p> <p><b>Semester and Year Assessment Conducted:</b> 2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b> Guillermina Colunga</p> <p><b>Faculty Contributing to Assessment:</b> Matthew Trites, Colleen McFaul, Naveed Hussain, Sivi Carson, Valentino Lopez, and Arshad Fazalbhoy</p>	<p>06/30/2014 - Therefore, discussion needs to be had with the advisory panel in the Spring to discuss the findings, find ways to raise our scores, and figure out the deficits. We may need to consider that this is too high of a score to expect at this level of their education.</p> <p><b>Action Category:</b> Program/College Support</p>
<p>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 244 - Rad Physics, Equip/Safety - SLO #1 Comparing Techniques for Imaging Systems - The student will formulate radiographic techniques and compare exposure differences for 3 radiographic examination (Ex: chest, lumbar spine and knee), using digital and film screen imaging systems. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</p> <p><b>Course SLO Assessment Cycle:</b> 2016-17 (Fall 2016)</p> <p><b>Input Date:</b> 11/08/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> Students will develop the required radiographic technique (kVp &amp; mAs) needed for film/screen radiographs to newer computed radiography and digital images, and then compare and contrast the differences in exposure index numbers to radiographic images.</p> <p>1) Lab Experiment Rubric - Score 1-4 for how well they included the necessary information within the lab report: Purpose, hypothesis, methods and results</p> <p>2) Summary - how well did they summarize and report on their findings: To compare how the increase or decrease of the exposure factors used influences the outcome image (SLO #1) and radiation dose to the patient (SLO #2) Students will write a two page report comparing</p>	<p>02/10/2014 - Fall 2013 - 21 Students - average score for report was 3.89/4.0</p> <p>Students did an excellent job in the development and analysis of techniques and related results. One of the major contributing factor could be the availability of new Digital Radiography (DR) Imaging equipment in the campus lab, along with Computed Radiography (CR) and a working darkroom for film/screen (FS) studies.</p> <p>In the past, only the FS studies could be performed on campus, and the DR &amp; CR students had to be conducted at the clinical sites. There is now a greater consistency with the students and the results, as they are all using the same equipment on campus. This experiment will also be tied with the #2nd SLO for patient radiation dose. This is an important analysis for student radiographers, as the use of only CR &amp; DR equipment at the clinical sites makes it difficult for</p>	<p>02/13/2014 - Will continue this assessment for at least one more year. Comparison of previous results: 2010 - 3.77 (18 students) 2011 - 3.79 (12 students) 2012 - 3.80 (18 students) 2013 - 3.89 (21 students) Improvement see with both the number of experiments performed, and the results. 2011 - 3.79 2012 - 3.88</p> <p>It would be highly beneficial to maintain service contracts for the digital and computed radiography systems so that regular PM's can maintain the equipment at it's optimum performance.</p> <p><b>Action Category:</b> Program/College Support</p>

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	<p>and contrasting patient exposure to the x-radiation used to create images with film and digital imaging systems. Students will describe their purpose, hypothesis, methods and materials used and procedure to obtain finding. Students will analyze the results, and compare the predicted results with the actual results of radiation exposures and techniques. then write a brief summary of their conclusion.</p> <p><b>Assessment Method:</b> Performance</p> <p><b>Standard and Target for Success:</b> Students should average a 3.5 of 4 point scale.</p>	<p>them to understand the relationship of exposure to dose. FS images shows what happens when incorrect techniques are set - with CR and DR, the exposure index (EI) can vary, and the computer automatically makes adjustments to the outcome image, and students have difficulty correlating the changes. Will continue this assessment for at least one more year.</p> <p>Comparison of previous results: 2010 - 3.77 (18 students) 2011 - 3.79 (12 students) 2012 - 3.80 (18 students) 2013 - 3.89 (21 students)</p> <p>Improvement see with both the number of experiments performed, and the results.</p> <p>2011 - 3.79 2012 - 3.88</p> <p><b>Standard Met? :</b> Yes</p> <p><b>Semester and Year Assessment Conducted:</b> 2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b> Dawn Charman</p> <p><b>Related Documents:</b> <a href="#">RT 244 SLO Rubric for Exposure &amp; Rad Dose.pdf</a></p>	
<p>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 328 - Clinical Experience 7 - SLO #1 Professionalism - The Student will demonstrate professionalism with patients, self and others (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</p> <p><b>Course SLO Assessment Cycle:</b> 2016-17 (Fall 2016)</p> <p><b>Input Date:</b> 11/08/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> Semester Clinical Evaluation Form for the following sections: Section #A Patient Care, #B Professionalism and # C Dependability will be used to measure the student radiographer's professionalism with patients, self and others.</p> <p><b>Assessment Method:</b> Performance</p> <p><b>Standard and Target for Success:</b> Students will average a 4/5 on Sections A, B &amp; C</p>	<p>02/10/2014 - Fall 2013 - 18 Students, 1 -Final Semester Evaluation. N=18 Student's averaged 4.1/5 on sections A,B,&amp; C on their last evaluation for the program. Benchmark just met, would like to see improvement in this area. A greater emphasis will be placed on these sections throughout the program. Clinical assignments and discussion questions will be implemented via ETUDES to elicit better student involvement and participation in these areas.</p> <p><b>Standard Met? :</b> Yes</p> <p><b>Semester and Year Assessment Conducted:</b> 2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b> Dawn Charman</p> <p><b>Faculty Contributing to Assessment:</b> Mina Colunga</p> <p><b>Related Documents:</b> <a href="#">RTEC Clinical Semester EVAL.pdf</a></p>	<p>02/13/2014 - A greater emphasis will be placed on these sections throughout the program. Clinical assignments and discussion questions will be implemented via ETUDES to elicit better student involvement and participation in these areas.</p> <p><b>Action Category:</b> Teaching Strategies</p>

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