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<th>Course SLOs</th>
<th>Assessment Methods &amp; Standard and Target for Success / Tasks</th>
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<th>Action &amp; Follow-Up</th>
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<tr>
<td>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: MEDT 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)</td>
<td><strong>Assessment Method Description:</strong> Students will demonstrate their knowledge of medical terms by completing a multiple choice 15 question quiz.</td>
<td>12/18/2013 - 40 students completed a 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</td>
<td>37 students finished above the 75% rate.</td>
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<td><strong>Standard and Target for Success:</strong> It is expected that 85% of students will score 75% or above on this SLO.</td>
<td><strong>Related Documents:</strong> Unit 14 Fall 2013.doc</td>
<td><strong>Standard Met? :</strong> Yes</td>
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<td><strong>Assessment Method:</strong> Exam/Test/Quiz</td>
<td><strong>Semester and Year Assessment Conducted:</strong> 2013-14 (Spring 2014)</td>
<td><strong>Faculty Assessment Leader:</strong> Russell Serr</td>
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<td><strong>Action &amp; Follow-Up</strong></td>
<td><strong>03/12/2014</strong> - 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.</td>
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<td>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 104 - Clinical Education 1 - SLO #2 Equipment - Use Clinically</td>
<td><strong>Assessment Method Description:</strong> Clinical Evaluation Section D</td>
<td>08/20/2014 - Using the data collected in section D of the first year student evaluations, the students scored an average of 3.6 out of 5 in equipment use. This demonstrates the practical use of equipment in our labs, with an increase in lab aides has helped students with equipment use.</td>
<td>08/20/2015 - At this time there are no actions needed to maintain the current standards. We have analyzed the data and we do not notice a pattern in equipment deficit knowledge.</td>
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<td><strong>Assessment Method:</strong> Performance</td>
<td><strong>Standard Met? :</strong> Yes</td>
<td><strong>Action Category:</strong> Teaching Strategies</td>
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<td><strong>Standard and Target for Success:</strong> Students will score 3.5 out of 5 in section D of the Clinical Evaluation form.</td>
<td><strong>Semester and Year Assessment Conducted:</strong> 2013-14 (Spring 2014)</td>
<td><strong>Faculty Assessment Leader:</strong> Josephine Moore</td>
</tr>
</tbody>
</table>
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)

**Assessment Method Description:**
Clinical final that will describe scenarios in which protective devices are needed. Students will have to choose which devices are appropriate for the given scenario.

**Assessment Method:**
Exam/Test/Quiz

**Standard and Target for Success:**
Students will score 73% on 15 scenarios related to proper use of protective devices.

07/31/2014 - The students were given 15 scenarios in which they had to select proper protective devices. The scores were 55%, not meeting the benchmark of 73%. It appears students are not fully aware of which protective devices should be employed when exposed to certain pathologies, body fluids and airborne illnesses. The deficit in knowledge will challenge the radiology program to find more effective methods to teach these principles in the program. An advisory meeting with clinical faculty and didactic faculty will allow us to discuss these deficits and methods to meet our benchmark in the future.

**Standard Met?**
No

**Semester and Year Assessment Conducted:**
2013-14 (Spring 2014)

**Faculty Assessment Leader:**
Mina Colunga

**Faculty Contributing to Assessment:**
Dawn Charman, Colleen McFaul, Matthew Trites, Arshad Fazalbhoy, Sivi Carson, Valentino Lopez, and Naveed Hussain

07/31/2015 - Clinical faculty and didactic faculty need to develop more effective methods to teach these concepts. These are vital concepts for the health of patients, students and faculty. This discrepancy will be discussed and an action plan will be put into place to meet the benchmark in the future.

**Action Category:**
Teaching Strategies
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<td>El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 216 - Clinical Education 2 - SLO #1 Trauma and ER - Students will revise methods of performing a radiographic examination for trauma and emergency room patients. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology)</td>
<td><strong>Assessment Method Description:</strong> Students will be presented with two case studies in which they must revise the method to perform the examination for patients who are trauma and ER patients.</td>
<td>Students were usually filled to capacity. 3) A 90% target may be unreasonably high standard for a first year student to meet.</td>
<td><strong>Action Category:</strong> Program/College Support</td>
</tr>
<tr>
<td><strong>Course SLO Assessment Cycle:</strong> 2013-14 (Summer 2014) 2016-17 (Summer 2017)</td>
<td><strong>Assessment Method:</strong> Case Study</td>
<td><strong>Standard Met?</strong> : No</td>
<td>08/20/2014 - During our faculty meetings we will discuss what we are currently doing to teach this in our classes as part of the curriculum. We will then problem solve better methods to teach the content and increase students success with this skill.</td>
</tr>
<tr>
<td><strong>Faculty Assessment Leader:</strong> Dawn Charman</td>
<td><strong>Semester and Year Assessment Conducted:</strong> 2013-14 (Spring 2014)</td>
<td>08/20/2015 - Advisory panel for SLO's will meet to discuss the data and go over the questions to see if the content can be taught in a more effective manner to increase content knowledge for the future.</td>
<td><strong>Action Category:</strong> Teaching Strategies</td>
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| Assessment Method Description: Students will score 80% out of 100 on the two case scenarios. | **Results** | 07/31/2014 - Students scored 77% on questions related to precautions, use and handling of contrast agents. This does meet our benchmark of 73%. It appears that the course content and instruction is adequate for teaching these concepts. I would like to look at specific questions when assessed again to see if the students are consistently missing the same data. If so, we will have to adjust our teaching to make sure they do not have deficits of contrast agent content. | **Action Category:** Teaching Strategies |
| Clinical Final | **Standard Met?** : Yes | 07/31/2015 - Advisory panel for SLO's will meet to discuss the data and go over the questions to see if the content can be taught in a more effective manner to increase content knowledge for the future. | **Faculty Assessment Leader:** Mina Colunga |
| **Assessment Method:** Exam/Test/Quiz | **Semester and Year Assessment Conducted:** 2013-14 (Spring 2014) | **Faculty Contributing to Assessment:** Colleen McFaul, Matthew Trites, Dawn Charman, Sivi Carson, Tino Lopez, Arshad Fazalbhoy, and Naveed Hussain. | **Faculty Contributing to Assessment:** Colleen McFaul, Matthew Trites, Dawn Charman, Sivi Carson, Tino Lopez, Arshad Fazalbhoy, and Naveed Hussain. |

| El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 218 - Clinical Experience 5 - SLO #2 Contrast Precautions - Students will compare and contrast the precautions, use and handling associated with contrast agents. (Created By El Camino: Course SLOs (HSA) - Radiologic Technology) | **Course SLO Assessment Cycle:** 2013-14 (Spring 2014) 2016-17 (Spring 2017) | **Input Date:** 11/08/2013 | **Course SLO Status:** Active |
| **Assessment Method Description:** Clinical Evaluation form Sections A: 1-2, B: 1-8 | **Results** | | |
| | 08/20/2014 - Student scored 3.76 out of 5 on sections A:1-2, B:1-8 and E. THis meets our benchmark and | | |
| Generated by TracDat a product of Nuventive.
Experience 6 - SLO #1 Effective Communication
- Students will demonstrate effective communication in written, oral and non-verbal communication with patients, family and hospital.
(Created By El Camino: Course SLOs (HSA) - Radiologic Technology)

**Course SLO Assessment Cycle:**
2013-14 (Summer 2014)
2016-17 (Summer 2017)

**Input Date:**
11/08/2013

**Course SLO Status:**
Active

**Related Documents:**
- RT 255 Assessment Oral Report Results 2014.pdf

**Assessment Methods & Standard and Target for Success / Tasks:**

**Assessment Method:**
Performance

**Standard and Target for Success:**
Students will score an average of 73% on this portion.

**Results:**
07/01/2014 - The results yielded a 94% average, which exceeds the expected 90% benchmark.
21 students assessed. Scores ranged from 35 to 50 out of 50 points on the oral presentation, with the mean average score of 47/50 (94%) (see attached)
4 students scored 50/50 while 2 students scored 35/50.

**Action & Follow-Up:**
08/21/2014 - Review the exam and include more common pathologies or varying the types included.
09/06/2014 - Requiring a first and second draft of the written report has shown to improve the quality of the reports. Therefore, at least one draft of the power point presentation to be submitted 2 weeks prior to the final presentation will be implemented in 2015 to see if that improves the results for students the lower end of the scale. A review of how to create effective power point presentations will continued to be offered to students who need assistance.

**Faculty Assessment Leader:**
Guillermina Colunga

**Faculty Contributing to Assessment:**
Dawn Charman and Colleen McFaul

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El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 255 - Advanced Imaging and Special Procedures - SLO #2 Communication Skills - Students will demonstrate effective communication skills related to the imaging modalities and equipment used for Radiographic Special Procedures.
(Created By El Camino: Course SLOs (HSA) - Radiologic Technology)

**Course SLO Assessment Cycle:**
2013-14 (Spring 2014)
2016-17 (Spring 2017)

**Input Date:**
11/08/2013

**Course SLO Status:**
Active

**Assessment Method Description:**
Students will give an oral presentation on a topic they have researched related to the imaging modalities and equipment used for Radiographic Special Procedures study.

**Standard and Target for Success:**
Student will average a 45/50 points (90%) on the rubric for their communication skill during the oral presentation.

**Results:**
08/21/2014 - Students scored 85% of 100% on the oral presentation, with the mean average score of 47/50 (94%) (see attached)
4 students scored 50/50 while 2 students scored 35/50.

**Action & Follow-Up:**
09/06/2014 - Requiring a first and second draft of the written report has shown to improve the quality of the reports. Therefore, at least one draft of the power point presentation to be submitted 2 weeks prior to the final presentation will be implemented in 2015 to see if that improves the results for students the lower end of the scale. A review of how to create effective power point presentations will continued to be offered to students who need assistance.

**Faculty Assessment Leader:**
Guillermina Colunga

**Faculty Contributing to Assessment:**
Dawn Charman and Colleen McFaul

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El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 91 - Radiographic Pathology - SLO #3 Pathology Identification - Students will identify pathologies that are common to the various body systems.
(Created By El Camino: Course SLOs (HSA) - Radiologic Technology)

**Course SLO Assessment Cycle:**
2013-14 (Spring 2014)

**Input Date:**
11/08/2013

**Course SLO Status:**
Active

**Assessment Method Description:**
Final Exam there will be pathologies from all body systems.

**Standard and Target for Success:**
Students will score an average of 73% on this portion.

**Results:**
08/21/2014 - Students scored 85% of 100% on the recognition of the common pathologies. There are no changes needed at this time.

**Action & Follow-Up:**
09/06/2014 - Requiring a first and second draft of the written report has shown to improve the quality of the reports. Therefore, at least one draft of the power point presentation to be submitted 2 weeks prior to the final presentation will be implemented in 2015 to see if that improves the results for students the lower end of the scale. A review of how to create effective power point presentations will continued to be offered to students who need assistance.

**Faculty Assessment Leader:**
Guillermina Colunga

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El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC 93 - Venipuncture and Pharmacology for the Radiologic Technologist - SLO #2 Contrast Dose Calculations - Students will formulate contrast dose calculations for adult and pediatric patients.
(Created By El Camino: Course SLOs (HSA) - Radiologic Technology)

**Assessment Method Description:**
Students will read and participate in an interactive online module that presents sample problems calculating dose. Afterwards, they will complete a worksheet with dose calculation problems.

**Standard and Target for Success:**
Students will score an average of 73% on this portion.

**Results:**
09/05/2014 - Data was gathered from all students enrolled in the class (21 students). 100% of the students successfully completed the worksheet. However, many students need much help in order to complete the assignment.

**Action & Follow-Up:**
06/16/2015 - Develop a preliminary worksheet for students prior to module that reviews some of the mathematical operations required for the dose worksheet. Then have the students view the module. Since many students
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<td><strong>Course SLO Assessment Cycle:</strong></td>
<td>Project</td>
<td>Yes</td>
<td>needed extra help beyond the module in order to complete the worksheet, I would suggest increase time for lecture in class on this topic.</td>
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<tr>
<td>2013-14 (Spring 2014)</td>
<td>90% of the students will successfully complete the worksheet.</td>
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**Assessment Method Description:**
After making an x-ray exposure, students write a research paper that includes a discussion of patient and technologist safety. Using the grading rubric, data was collected by collating the students scores for two areas on the grading rubric. The grading rubric allowed 4 points possible for a correct discussion of reducing patient radiation dose and 4 points possible for a correct discussion of reducing technologist dose. In three sections of RTEC-A, 10 students were selected at random from each section. Thirty students papers in total were collated for this.

**Semester and Year Assessment Conducted:**
2013-14 (Spring 2014)

**Faculty Assessment Leader:**
Colleen McFaul

**Faculty Contributing to Assessment:**
Colleen McFaul

**Reviewer's Comments:**
Since many students needed extra help beyond the module in order to complete the worksheet, I would suggest increase time for lecture in class on this topic.

**Action Category:**
Teaching Strategies

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**El Camino: Course SLOs (HSA) - Radiologic Technology - ECC: RTEC A - Introduction to Radiologic Technology - SLO #1 Radiographic Protection - Students will analyze different methods to reduce radiation dose to the patient in the radiology department.**

(Created By El Camino: Course SLOs (HSA) - Radiologic Technology)

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<td>2013-14 (Spring 2014)</td>
<td>After making an x-ray exposure, students write a research paper that includes a discussion of patient and technologist safety. Using the grading rubric, data was collected by collating the students scores for two areas on the grading rubric. The grading rubric allowed 4 points possible for a correct discussion of reducing patient radiation dose and 4 points possible for a correct discussion of reducing technologist dose. In three sections of RTEC-A, 10 students were selected at random from each section. Thirty students papers in total were collated for this.</td>
<td>07/08/2014 - After tallying results, the 30 students earned a total of 203 points out of 240 possible points. This results in an 84% which meets the benchmark. Although many students scored 8 points out of 8 points on the rubric, there were multiple students that only scored 5 points out of 8 total points. Students that only score 2 points out of 4 in one area of the rubric need to definitely improve. So although we do meet the benchmark, improvements can be attained.</td>
<td>12/03/2014 - Instructors will add an interactive assignment to increase student knowledge of radiation protection. Student can practice placing a shield on each other during class.</td>
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<td>Standard and Target for Success: 6.4 out of 8 point scale for the questions regarding patient radiation dose which is equivalent to 80%</td>
<td><strong>Semester and Year Assessment Conducted:</strong> 2013-14 (Spring 2014)</td>
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<td><strong>Faculty Assessment Leader:</strong> Colleen McFaul</td>
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