

# Course SLO Assessment Report - 4-Column

## El Camino College

### El Camino: Course SLOs (NSC) - Physics

| Course SLOs  | Assessment Methods & Standard and Target for Success / Tasks  | Results  | Action & Follow-Up   |
|--|---|--|--|
| <p>El Camino: Course SLOs (NSC) - Physics - ECC: PHYS 1D - Optics and Modern Physics - SLO #1 Applying Relevant Principles - Students can recognize the basic physical principles which are relevant in a given physical situation involving optics or modern physics in order to correctly answer conceptual questions. (Created By El Camino: Course SLOs (NSC) - Life Science: Allied Health (Anatomy, Physiology, Microbiology))</p> <p><b>Course SLO Assessment Cycle:</b><br/>2013-14 (Spring 2014)</p> <p><b>Input Date:</b><br/>11/08/2013</p> <p><b>Course SLO Status:</b><br/>Active</p> | <p><b>Assessment Method Description:</b><br/>A quiz was given to the class with five multiple choice questions. The questions were conceptual in nature. Each question required the use of a relevant physical principle in order to arrive at the correct answer.</p> <p><b>Assessment Method:</b><br/>Exam/Test/Quiz</p> <p><b>Standard and Target for Success:</b><br/>Average score of 60%.</p> <p><b>Related Documents:</b><br/><a href="#">Physics 1D SLO Evaluation.docx</a></p> | <p>03/18/2014 - Only one section took the assessment. The average score was 39%.</p> <p><b>Standard Met? :</b><br/>No</p> <p><b>Semester and Year Assessment Conducted:</b><br/>2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b><br/>Eyal Goldmann</p> <p><b>Faculty Contributing to Assessment:</b><br/>Eyal Goldmann</p> <hr/> <p>03/18/2014 - 31 students took the assessment. The average score on the assessment was 39%, well under the 60% target. Respectively, the number (percent) of correct answers on the five questions were: 10 (32%), 16 (52%), 3 (10%), 12 (39%), 19 (61%).</p> <p><b>Standard Met? :</b><br/>No</p> <p><b>Semester and Year Assessment Conducted:</b><br/>2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b><br/>Eyal Goldmann</p> <p><b>Faculty Contributing to Assessment:</b><br/>Eyal Goldmann</p> | <p>06/30/2018 - Instructors in future sections of the course should consider including conceptual questions as part of normal in-class instruction and homework.</p> <p><b>Action Category:</b><br/>Teaching Strategies</p> <hr/> <p>03/18/2014 - One is tempted to suggest that future instructors should consider conceptual questions as a more regular part of instruction alongside calculational problems. This is probably worth trying. However, it is unclear whether instruction of this nature strengthens students' conceptual understanding generally, or more narrowly their ability to correctly answer conceptual questions which are highly similar to what they have seen previously.</p> <p><b>Action Category:</b><br/>Teaching Strategies</p> |