

# Course SLO Assessment Report - 4-Column

## El Camino College

### El Camino: Course SLOs (MATH) - Math (Prospective Elementary School Teachers)

Course SLOs	Assessment Methods & Standard and Target for Success / Tasks	Results	Action & Follow-Up
<p>El Camino: Course SLOs (MATH) - Math (Prospective Elementary School Teachers) - ECC: MATH 110 - Structures and Concepts in Mathematics - SLO #1 Perform and Interpret Basic Operations - Students will be able to demonstrate/perform the four basic operations with real numbers and interpret the results. (Created By El Camino: Course SLOs (MATH) - Math (Prospective Elementary School Teachers))</p> <p><b>Course SLO Assessment Cycle:</b> 2014-15 (Fall 2014) 2015-16 (Fall 2015) 2016-17 (Fall 2016) 2017-18 (Fall 2017)</p> <p><b>Input Date:</b> 11/21/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> This student learning outcome is assessed through teacher observation, performance on classroom tests and quizzes, completion of in-class activities, and in-class and/or outside-of-class activities and projects.</p> <p><b>Assessment Method:</b> Exam/Test/Quiz</p> <p><b>Standard and Target for Success:</b> It is expected that 80% of our students score a 3 or above on this SLO</p> <p><b>Related Documents:</b> <a href="#">Math 110 SLO #1 Rubric.docx</a></p>	<p>12/12/2013 - A total of 58 students were assessed at both the Torrance and Compton Center campuses. Forty-six of the 58 students or 79% of the students at both campuses scored a 3 or a 4 on this SLO. Thirty nine out of 47 students or 83% of the students at Torrance campus scored a 3 or a 4 and 7 out of 11 students or 64% of the students at Compton Center scored a 3 or a 4 on this SLO. Students at the Torrance campus met the standard, they worked many activities in class related to this SLO. Students were able to demonstrate multiple ways of performing basic operations and interpreting the results. The units for Math 110 were increased from 3 lecture units to 2 lecture units and 2 lab units in the Fall of 2012 and since then student results on SLO #1 have improved. The additional class time for activities contributed to the improvement in SLO results.</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> Kasabian, Judy</p> <p><b>Faculty Contributing to Assessment:</b> Bucher, Susanne, Martinez, Jose, Meyer, Trudy, Tummers, Susie</p> <p><b>Related Documents:</b> <a href="#">Math 110 Results SLO #1 Fall 2013.xls</a></p>	<p>12/12/2014 - We will continue to look at the results of this SLO and compare it to the results prior to the change in units.</p> <p><b>Action Category:</b> Program/College Support</p> <p><b>Follow-Up:</b> 12/12/2014 - In assessing this SLO in the Fall of 2014 we will continue to compare the results with prior semesters to determine if the change in units benefits student learning.</p>
<p>El Camino: Course SLOs (MATH) - Math (Prospective Elementary School Teachers) - ECC: MATH 110 - Structures and Concepts in Mathematics - SLO #2 Explain Mathematical Concepts - Students will be able to explain the underlying mathematical concepts of the binary operations using written and oral means. (Created By El Camino: Course SLOs (MATH) - Math (Prospective Elementary School Teachers))</p> <p><b>Course SLO Assessment Cycle:</b> 2014-15 (Fall 2014) 2015-16 (Fall 2015) 2016-17 (Fall 2016)</p>	<p><b>Assessment Method Description:</b> The instructors for Math 110 use a variety of assessment instruments to determine the score for this student learning outcome. It is an observational account by the instructor incorporating classroom observations, tests, quizzes, projects, activities, and student participation in class.</p> <p><b>Assessment Method:</b> Exam/Test/Quiz</p> <p><b>Standard and Target for Success:</b> It is expected that 80% of our students score a 3 or a 4 on this SLO.</p> <p><b>Related Documents:</b></p>	<p>12/12/2013 - A total of 58 students were assessed at both the Torrance and Compton Center campuses. Thirty one out of 58 students or 53% of the students at both campuses scored a 3 or a 4 on SLO #2. Twenty four out of 47 students or 51% of the students at the Torrance campus scored a 3 or a 4 and Seven out of 11 students or 63% of the students at Compton Center scored a 3 or a 4 on this SLO. Students are not meeting the standard for success because have are having difficulties working in base 2 and base 5. In order to fully understand how our base ten system works students need to be able to work in other bases. We will be creating a new activity that can be used during lab time which we anticipate will assist the students in obtaining this outcome.</p>	<p>01/20/2014 - A new activity will be created and distributed to all instructors teaching Math 110 to use in class next semester to help students work in base 2 and base 5. This will allow instructors to check for student understanding prior to students leaving class for the day.</p> <p><b>Action Category:</b> Teaching Strategies</p> <p><b>Follow-Up:</b> 05/16/2014 - In Spring 2014 we will determine if the new activity for this</p>

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<p>2017-18 (Fall 2017)</p> <p><b>Input Date:</b> 11/21/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><a href="#">Math 110 SLO #2 Rubric.docx</a></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> Kasabian, Judy</p> <p><b>Faculty Contributing to Assessment:</b> Bucher, Susanne, Martinez, Jose, Meyer, Trudy, Tummers, Susie</p> <p><b>Related Documents:</b> <a href="#">Math 110 Results SLO #2 Fall 2013.xls</a></p>	<p><b>Follow-Up:</b> SLO helped students understand the concept.</p>
<p>El Camino: Course SLOs (MATH) - Math (Prospective Elementary School Teachers) - ECC: MATH 110 - Structures and Concepts in Mathematics - SLO #3 Solve Application Problems - Students will be able to solve an application problem and design an application when parameters are given. (Created By El Camino: Course SLOs (MATH) - Math (Prospective Elementary School Teachers))</p> <p><b>Course SLO Assessment Cycle:</b> 2014-15 (Fall 2014) 2015-16 (Fall 2015) 2016-17 (Fall 2016) 2017-18 (Fall 2017)</p> <p><b>Input Date:</b> 11/21/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> The instructors for Math 110 use a variety of assessment instruments to determine the score for this student learning outcome. It is an observational account by the instructor incorporating classroom observations, tests, quizzes, projects, activities, and student participation in class.</p> <p><b>Assessment Method:</b> Exam/Test/Quiz</p> <p><b>Standard and Target for Success:</b> It is expected that 80% of the students will score a 3 or a 4 on this SLO.</p> <p><b>Related Documents:</b> <a href="#">Math 110 SLO #3 Rubric.docx</a></p>	<p>12/12/2013 - Thirty nine out of 58 students or 67% of the students at both campuses scored a 3 or a 4 on this SLO. Thirty one out of 47 students or 66% of the students at the Torrance campus and 8 out of 11 students or 73% of the students at Compton Center scored a 3 or a 4 on this SLO. The score on this SLO has decreased from previous semesters. We believe that the decrease in scores this semester may have resulted from lower class attendance. Low class attendance limits students exposure to different problem solving strategies. We will be creating a new activity that can be used during lab time which we anticipate will assist the students in obtaining this outcome.</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> Kasabian, Judy</p> <p><b>Faculty Contributing to Assessment:</b> Bucher, Susanne, Martinez, Jose, Meyer, Trudy, Tummers, Susie</p> <p><b>Related Documents:</b> <a href="#">Math 110 Results SLO #3 Fall 2013.xls</a></p>	<p>01/20/2014 - An activity will be created and distributed to all instructors teaching Math 110 to use during lab time involving solving application problems. Students often are looking for a formula to solve the problem instead of using multiple problem solving strategies that are discussed in class.</p> <p><b>Action Category:</b> Teaching Strategies</p> <p><b>Follow-Up:</b> 05/16/2014 - We will determine if the new activity improved students SLO results in the Spring semester.</p>