

**COURSE SLO ASSESSMENT REPORT, SCC**

Department: Mathematics Course: Math 160

Year: 2011 Semester: Fall

1) Outcome to be assessed	2) Means of assessment and criteria of success	3) Summary of data collected	4) Analysis of data	5) Plan of action/what to do next
<p>SLO #1 - Apply the six trigonometric functions, their inverse functions, the Law of Sines and Law of Cosines, identities, technological tools, and algebraic techniques to evaluate and solve trigonometric models and equations.</p>	<p>Using the revised department final, 6 multiple choice questions will be scored. Specifically questions 3,4,7,9,10, and 11 from Form A will be evaluated as well as questions 4,6,7,8,10 and 13 from Form B.</p> <p>Each question must have a 70% passing rate to be considered successful.</p>	<p>Number of students evaluated: 79</p> <p>What percent is this of the total students still enrolled in the course? All</p> <p>Total number of sections of the course: 3</p> <p>Number of sections that were involved in the assessment: 3</p> <p>If some sections were not involved, explain. N/A</p> <p>What percent of questions were successful according to your earlier criteria? Of the 6 questions evaluated, only 3 had a 70% passing rate or higher.</p>	<p>Is this an acceptable result? No.</p> <p>How does this compare with your expectations? This result is worse than expected.</p> <p>Did you notice any particular problem areas? Yes. The question re: linear velocity only had a 29% passing rate. Writing sine as a single function of x had a 59% passing rate. Simplifying expressions using trig identities had a 62% pass rate.</p> <p>On the positive side, the most passed question (80%) involved a real life application.</p>	<p>What changes will be made in response to the results of the assessment? Teachers should be made aware of the problem areas so that they can emphasize these trouble spots.</p> <p>Has there been observed improvement in the quality of student learning due to the changes? Not at this time.</p> <p>Are there plans to reassess the initial SLO? The SLO's have been slightly changed but a similar outcome will be assessed according to the assessment cycle.</p>

Question	% Successful	Problem Type	Question	% Successful	Problem Type
Question 3/4	80	Real Life Model	Question 9/7	70	Inverse function
Question 4/6	73	Trig Function	Question 10/13	29	Real Life Model
Question 7/8	62	Identities	Question 11/10	59	Identities