

COURSE SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: Math 185 Calculus II

Year: 2011 Semester: Spring

Faculty Member: Alicia Frost

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>Evaluate and approximate integrals using a variety of techniques and apply integration to solve problems involving area, volume, work, and differential equations</p>	<p>Analyze three problems on the final involving volume, integration by trig substitution, and solving a differential equation.</p> <p>Rubric: 4 pts – clear, complete solution 3 pts – small mistakes not related to the concept, concept is understood 2 pts – mistakes, concept is partially understood 1 pt - some relevant work, concept not understood 0 pt – blank, no relevant work</p> <p>*A score of 3 or 4 is considered successful</p>	<p>Collected 42 exams (2 sections).</p> <p><u>% of students successful:</u> 62%</p>	<p>Differences in the type and level of difficulty of the topics varied from instructors. We need to unify the final by embedding questions.</p> <p>Students still seem weak on the amount work shown to support their answer.</p> <p>Students seem to be weaker than last semester on basic fundamental skills such as simplifying answers.</p>	<p>Inform department of results</p> <p>Inform instructors who are teaching Math 185 next semester to stress topics that students are weak on.</p> <p>Assess both SLOs next semester and compare results on strong and weak areas for students.</p> <p>Implement embedded questions into each instructor’s final exam.</p>