

COURSE SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: Math 180 Calculus I

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><u>SLO 1:</u> Analyze functions analytically and graphically using limits, derivatives, definite and indefinite integrals</p> <p><u>SLO 2:</u> Apply basic definitions, properties and theorems of first semester Calculus to formulate elementary proofs and model and solve problems.</p>	<p>Analyze problems on the departmental final.</p> <p><u>SLO 1:</u> # 9, 18</p> <p><u>SLO 2:</u> # 14, 16</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 55 exams (3 sections).</p> <p><u>SLO 1:</u> % successful –48.2%</p> <p><u>SLO 2:</u> % successful –38.2%</p>	<p>Most students seem to be able to do simple, straight forward problems but are weak on conceptual questions (#18)</p> <p>Students seem to be lacking the ability to put all the “pieces” together to justify and support their answers.</p> <p>From last semester the percent of students rated successful has declined.</p>	<p>Inform department of results</p> <p>Inform instructors who are teaching Math 180 next semester to stress topics that students are consistently weak on.</p> <p>Instructors need to stress the amount and type of acceptable work shown for full credit to unify the calculus classes.</p> <p>Rewrite final exam to include more conceptual questions to better evaluate understanding.</p> <p>Assess both SLOs next semester and compare results on strong and weak areas for students.</p>