

**COURSE SLO ASSESSMENT REPORT, SCC**

Department: Mathematics Course: Math 180H Calculus I

Year: 2010 Semester: Fall

recd 5/11/11

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>#1 Analyze functions analytically and graphically using limits, derivatives, definite and indefinite integrals</p>	<p>Analyze three problems on the departmental final. (#3, #9 &amp; #18)</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 64 exams (3 sections).</p> <p><u>% of students who scored:</u></p> <p>0 – 4.2 %                      1 – 19.8%                      2 – 19.3%                      3 – 22.9%                      4 – 33.9%</p> <p>% successful – 56.8 %</p>	<p>Students seemed to be 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>Inform department of results</p> <p>Inform instructors who are teaching Math 180 next semester to stress topics that students are 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>Assess different SLO next semester and compare results on strong and weak areas for students.</p>