

PROGRAM SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: Math 160--Trigonometry

Year: 2008 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>Analyze and sketch the graphs of the six trigonometric functions and polar equations using such principles as asymptotic, periodic, and reciprocal behavior, as well as plotting points generated by a table or electronic device.</p>	<p>A single free-response question will be analyzed using the attached 5 – point rubric.</p> <p>Students must score a 3 or better, which is defined as follows:</p> <ul style="list-style-type: none">• Work is at an average competency level.• Demonstrates a grasp of the whole, but is simplistic or literal.• Some effort evident, yet it does not meet all specifications of the challenge.• Contains some factual errors that represent a flawed understanding of the topic.	<p>68 students evaluated</p> <p>67.6% were successful according to the criteria</p> <p>This is an 8.6% increase over spring 2008.</p>	<p>Students could find the asymptote, but had difficulty identifying the root cause.</p>	<p>Continue to derive the secant and cosecant graphs using the sine and cosine graphs.</p> <p>We are changing our textbook for next year.</p>