

## SLO Progress Notes

### Spring 2010

- Math 180: Calculus

Instructor: [REDACTED]

#### 1. Identify the SLO(s) you assessed.

The SLO I assessed was the first one, 'Apply differential calculus to solve optimization problems from the real world, algebraically and graphically.' I gave students a rational function, and asked them to 'Sketch the graph and show all local extrema and inflection points.'

**2. Summarize the assessment results for each SLO**, including, at minimum, the total number of students assessed on the outcome and the percentage of students who met the expected outcome, who partially met it, and who did not meet it.

Twelve(12) students took the final. Only 1 student answered this question correctly and completely. 6 students understood that they needed to find the zeros of the function, first derivative, and the second derivative. 11 students understood that it had something to do with the derivatives, while 1 student was completely lost.

**3. Note any needed changes** to your instruction, assessment, resources, or staffing to improve future outcomes.

That one who was completely lost with the SLO question should never be allowed to pass the course. However, he did, which suggested flaws with my grading policy. If I could do it again, I will have homework and quiz weight less than 17% (instead of the 28.5% I used), and let final weight at least 40% (instead of the 28.5% I used)