

Campus Assessment of Student Learning Outcomes

Unit Name: Mathematics and Actuarial Science (General Education) Assessment Summary Fall 2007-Spring 2008

What are the student learning outcomes in your unit?

- a) Use mathematical models such as formulas, graphs, and tables to draw inferences.
- b) Represent mathematical information symbolically, visually, numerically, and verbally.
- c) Use arithmetic, algebraic, geometric, logical, and / or statistical methods to model and solve real world problems.

Which outcome did you assess this academic year?

1. b) and c)

How did you assess their skills before, during and / or at the end of the semester / academic year?

We have common mid-term and common final exams in M118 and M100 general education courses. We will biannually look at students' achievements. Math faculty group will select specific problems from these exams that address the three outcomes a)-c). The faculty group will develop a rubric that is based on three outcomes, randomly select a group of students that received a grade of C or better in a course, and analyze work of these students as excellent, satisfactory, or needs improvement. If less than 75% of students score satisfactory on a particular outcome, we will review and revise where necessary the content and coverage of the outcome in our courses for further improvement.

Please summarize the data you have collected this semester / academic year.

We collected mid-term and common final exams in M118 and M100 general education courses.

Please describe any programmatic changes you have made or are planning to make based on the data you have collected.

Analysis of data is ongoing.

****Note:** Please use this template to provide the responses to the prompts above.**