



FINAL ASSESSMENT REPORTING FORM

(To be Completed by Faculty)

Program or Course: MAT141
Date: 7/5/22
Number of Student Participants: 75
Number of Faculty/Staff Participants: 6
Name of person completing report: Thomas Gamble
Assessment Reporting Form: This report is to show that assessment is occurring and that the results are being used to make changes to improve student learning. The assessment being reported could be an assessment of a Program Learning Outcome (PLO) or a Measurable Student Level Outcome (MSLO). Each program should be assessing and gathering data for at least two PLOs OR two MSLOs that contain CSLOs each year.
1. What PLOs and/or MSLOs and CSLOs did you assess this year? (Application Level) Utilize calculators (scientific and/or graphing) and available computer software to model, investigate, solve and justify solutions to given problems. (Application) Use basic geometric figures (circle, square, rectangle, triangle) to model problems and apply the appropriate formula of measurement to find the missing quantity. (Application Level) Apply concepts of simple and compound interest, amortization and annuities to solve finance application problems. (Application Level) Apply the rules of exponents and logarithms to solve exponential growth and decay problems.
2. Describe the assessment method used and criteria for successful achievement of student learning outcomes. (e.g., rubrics, licensing exam, internship, portfolio, exam, research paper, performance exam, EAC, etc.) We chose 3 questions from our common final to assess the students use of technology(Calculator) and the outcomes listed above. We gave a score to each student(out of 1) and calculated the mean. We did this over 3 semesters. Sores were mostly 0 or 1. Not much partial credit was given.
3. How many students were proficient in the PLOs OR MSLOs and CSLOs? What was determined as proficient? (i.e. 70% = proficient) The mean for each outcome was as follows:

Finance .46
Exponential growth .55
Geometry .44

It should be noted that all data from students taking the final were included, meaning many 0s from students that did not participate all semester.

4. What changes/improvements were made or will be made in response to the outcomes of the assessment process?

We have highlighted the use of graphing calculators including adding virtual options and other applications to help students that do not want to buy one. We continue to have calculator workshops. We also clarified some questions to make rounding instructions more clear. We have also changed our course shell to focus on core topics and stress Dimensional Analysis.

Feel free to attach your PLOs OR MSLOs and CSLOs and indicate which were assessed