

2022-23 General Education Learning Outcome Report – Quantitative Reasoning

Definition: Students will be able to apply quantitative (mathematical and statistical) concepts and operations to solve problems, interpret data, and communicate ideas.

Instructor name	Jonah Morsette
Date	Jul 10, 2023
Course (e.g., CS 101)	MA 121
Number of students assessed using the assignment below (not the # in the class)	16
Semester and year assessed (e.g., fall 2023)	Summer 2023
Identify the specific graded summative assessment(s)	Test 2 Test 3

Fill in the columns for the indicators that can be assessed using the specific graded summative assessment identified above (enter “NA” on the other rows)

General education indicators (break the skill down into 1-4 measurable indicators): <i>Students were able to...</i>	Results of assessment: For each indicator, indicate the % or # of students who performed below, at, or above expected levels (only include students whose work you assessed)			Next steps / reflections: For each indicator, write reflections on anything that stood out for you (e.g., changes in teaching, learning or assessment strategies; areas for student growth; areas where students excelled; proposed curriculum changes).
	% or # below expected level (D/F grade)	% or # at expected level (C grade)	% or # above expected level (A/B grade)	
1. Solve problems (look at solved problems, adjust questions)	50%	6%	44%	Students who scored below expected level were all online students except for 1 student w/ spotty attendance. About 3 never attempted the test.
2. Interpret data (look at test graphing questions)	50%	6%	44%	Only applicable for graphing test questions and graphing and modeling assignments on select sections
3. Communicate ideas	NA	NA	NA	NA for online students. In person students were able to ask questions on test questions.
Teaching/learning success: Explain any teaching or learning strategies you found to be effective for students to learn these general education indicators.				In general, online students tend to struggle more continually and on working problems. In person students learned hands on during class for in class quizzes