QUANTITATIVE LITERACY RUBRIC

Quantitative Literacy: Work effectively with numerical data.

Students with strong Quantitative Literacy skills understand and can create sophisticated arguments supported by quantitative evidence for various purposes and audiences.

OBJECTIVES *(Items in italics below are definitions or examples)*	**EXCEEDS (4)**	**SATISFACTORY (3)**	**PROGRESSING (2)**	**EMERGING (1)**
Calculation	Calculations are correct, solve the problem, and are presented clearly and concisely.	Calculations are correct and solve the problem.	Calculations are mostly correct but only partially solve the problem.	Calculations are incorrect.
Representation of Data *mathematical portrayals include equations, graphs, diagrams, tables, words*	Skillfully converts data into an insightful mathematical portrayal in a way that contributes to a deeper understanding.	Competently converts data into an appropriate and accurate mathematical portrayal.	Converts data but the resulting mathematical portrayal is only partially appropriate or accurate.	Converts data but the resulting mathematical portrayal is inappropriate or inaccurate.
Application/Analysis	Uses the quantitative analysis of data as the basis for deep and thoughtful judgments, drawing insightful, carefully qualified conclusions.	Uses the quantitative analysis of data as the basis for competent judgments, drawing reasonable and appropriately qualified conclusions.	Uses the quantitative analysis of data as the basis for mechanical judgments, drawing plausible conclusions.	Uses the quantitative analysis of data as the basis for tentative, basic judgments, but is tentative about drawing conclusions.

This rubric was inspired by the AAC&U VALUE rubric.

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For assessment purposes, assign a rating of 0 if the student performs below Level 1. Use a blank if the student did not complete the assessment measure (such as a test or assignment).

Grand Valley State University
General Education Program