Ursinus College

Rubric for Core Curriculum Learning Goal

Quantitative reasoning

Core learning goal: Demonstrate experience with quantitative data

Students should be able to…	4	3	2	1
Criterion A: Explain quantitative information presented in mathematical forms, including equations, graphs, diagrams, tables, or words.	Explains information in mathematical forms accurately and thoughtfully.	Explains information in mathematical forms accurately.	Explains information in mathematical forms, but makes minor errors.	Explains information in mathematical forms, but makes substantial errors.
Criterion B: Convert data into mathematical forms, including equations, graphs, diagrams, tables, or words.	Makes appropriate choices of mathematical form(s) and competently converts data..	Competently converts data.	Completes conversion of data, but the results are only partially appropriate or accurate.	Completes conversion of data, but the results are inappropriate or inaccurate.
Criterion C: Complete calculations.	Calculations are completed successfully and are presented clearly and concisely.	Calculations are completed successfully.	Calculations are attempted, but only a portion are completed successfully.	Calculations are attempted, but the results are unsuccessful
Criterion D: Draw conclusions based on quantitative analysis of data.	Thoughtful conclusions are drawn following quantitative analysis of data.	Competent conclusions are drawn following quantitative analysis of data.	Plausible conclusions are drawn following quantitative analysis of data.	Uncertain conclusions are drawn following quantitative analysis of data.

January 2016