

Merritt College Institutional Outcome Assessment Spring 2016

Quantitative Reasoning: Apply college-level mathematical reasoning to analyze and explain real world issues and to interpret and construct graphs, charts, and tables.

Course name and number:	
Name of instructor(s): *	
Number of students assessed:	

*If you teach a multi-section course, please submit one rubric for all sections that participates (aggregate data) and list all instructors who participated in the data collection and reflection.

In the table below, indicate the number of students at each benchmark for each category listed:

	Excellent	Good	Average	Below Average	Incomplete
Interpretation: Provides accurate explanations of information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, etc.)					
Representation: Converts relevant information into quantitative forms, appropriate for the task at hand.					
Calculations: Attempts and successfully completes all appropriate calculations for the task at hand.					
Application/Analysis/Assumptions: Demonstrates an ability to draw appropriate conclusions while making and evaluating important assumptions in estimation, modeling, and data analysis.					
Communication Expresses quantitative logical and statistical evidence in support of the argument or purpose of the work.					

Reflection Questions:

1. Identify three strengths that you found in your students' work.
2. Identify three areas where improvement is needed.
3. What is one action that you (or the college) could take to improve an area that you've identified as a weakness?
4. Are there any specific resources that are required to improve students' ability in quantitative reasoning?

Turn in your rubric with three samples of student work for inclusion in a college-wide portfolio. A permission form signed by the student must accompany each sample.