

CSCU GENERAL EDUCATION ASSESSMENT RUBRIC

COMPETENCY AREA: Quantitative Reasoning

Quantitative Reasoning Goal: Students will learn to recognize, understand, and use the quantitative elements they encounter in various aspects of their lives. Students will develop a habit of mind that uses quantitative skills to solve problems and make informed decisions.

Scale Outcomes	4 Highly Competent	3 Competent	2 Minimally Competent	1 Not Competent
1. Represent mathematical, and quantitative information symbolically, graphically, numerically, and verbally.	Provides all representations and all are clear, complete and related to the data.	Provides most representations and most are clear, complete, and related to the given date.	Provides few representations that are clear, complete, or related to the given data.	No representations are provided that are understandable or related to the given date.
2. Apply quantitative methods to investigate routine and novel problems. This includes calculations/procedures, mathematical and/or statistical modeling, prediction, and evaluation.	Applies all required quantitative methods to investigate both routine and novel problems. All applications are efficient, complete, correct and related to the problems posed.	Applies most required quantitative methods to investigate both routine and novel problems. Most applications are complete, correct and related to the problems posed.	Applies some required quantitative methods to investigate routine problems. Most applications are incomplete or incorrect or not related to the problems posed.	Does not apply any appropriate quantitative methods.
3. Interpret mathematical and quantitative information and draw logical inferences from representations such as formulas, equations, graphs, tables, and schematics.	Interprets all required representations of quantitative information and draws appropriate logical inferences.	Interprets most required representations of quantitative information and draws some logical inferences.	Interprets some required representations of quantitative information but is unable to draw logical inferences.	Does not interpret any representations of quantitative information or draw logical inferences.
4. Evaluate the results obtained from quantitative methods for accuracy and/or reasonableness.	Evaluates all the results obtained from quantitative methods for accuracy and/or reasonableness.	Evaluates most of the results obtained from quantitative methods for accuracy and/or reasonableness.	Evaluates some of the results obtained from quantitative methods for accuracy and/or reasonableness.	Does not evaluate the results for accuracy and/or reasonableness.