

ConnSCU GENERAL EDUCATION ASSESSMENT RUBRIC

Competency Area: Quantitative Reasoning (2A)

Scale Outcomes	Highly Competent 4	Competent 3	Minimally Competent 2	Not Competent 1
A. Represent mathematical and quantitative information symbolically, graphically, numerically, and verbally.	Student provided all required representations. All representations were clear, complete and related to the given data.	Most representations were clear, complete, and related to the given data.	Most representations were: incomplete or not related to the given data or not provided.	Student did not provide any representations or understandable representations or representations that are related to the given data.
B. Apply quantitative methods to investigate routine and novel problems. This includes calculations/procedures, mathematical and/or statistical modeling, prediction, and evaluation.	Student successfully applied all required quantitative methods to investigate both routine and novel problems. All applications were efficient, complete, correct and related to the problems posed.	Student successfully applied most required quantitative methods to investigate both routine and novel problems. Most applications were complete, correct and related to the problems posed.	Student successfully applied some required quantitative methods to investigate routine problems. Most applications were incomplete or incorrect or not related to the problems posed.	Student did not successfully apply any appropriate quantitative methods.
C. Interpret mathematical and quantitative information and draw logical inferences from representations such as formulas, equations, graphs, tables, and schematics.	Student successfully interpreted all required representations of quantitative information and drew appropriate logical inferences.	Student successfully interpreted most required representations of quantitative information and drew some logical inferences.	Student successfully interpreted some required representations of quantitative information but was unable to draw logical inferences.	Student did not successfully interpret any representations of quantitative information.
D. Evaluate the results obtained from quantitative methods for accuracy and/or reasonableness.	Student successfully evaluated all the results obtained from quantitative methods for accuracy and/or reasonableness.	Student successfully evaluated most of the results obtained from quantitative methods for accuracy and/or reasonableness.	Student successfully evaluated some of the results obtained from quantitative methods for accuracy and/or reasonableness.	Student did not evaluate the results for accuracy and/or reasonableness.