Critical Inquiry

Critical Inquiry Goal #2: Use scientific, quantitative, and computational process in order to solve real-world problems

Learning Outcome B: Apply quantitative and computational processes to solve problems.

Specific Criteria for Learning Outcome B	4	3	2	1	0
Analyze relevant information that is needed to solve problems.	Justify solution in terms of relevant information needed to solve a problems from irrelevant information.	Use relevant information needed to solve a problem and explain if/why other information is irrelevant.	Identify relevant information needed to solve the problem but cannot explain if/why other information is irrelevant.	Unable to extract relevant information needed to solve a problem.	Unable to identify appropriate information or misinterpret information.
Select appropriate methods and apply them to solve problems.	Solve a variety of real-world problems using appropriate methods with consistent accuracy without verbal or supporting cues.	Use appropriate methods to calculate real-world problems accurately with occasional verbal or supportive cues. Independent calculations. Includes minor errors.	Solve calculations correctly but requires frequent verbal or supportive cues. Independent calculation accuracy is erratic.	Perform calculations with minimal accuracy independently. Can perform calculation accurately but only with continuous verbal and supportive cues.	Perform calculations with less than 50% accuracy.
Effectively communicate quantitative concepts.	Articulate a variety of complex concepts in a logical and comprehensible manner.	Generate explanations of concepts that are detailed and clear.	Define all major steps with some details missed or some language not completely precise.	List basic concepts.	Unable to explain basic concepts.

Overall, has this student demonstrated appropriate knowledge and skills for this level in this discipline? __ Yes __ No

__ This student did not turn in an acceptable response to the assignment (e.g., failed to turn in a paper, plagiarized, etc.)