APPENDIX A: QUANTITATIVE REASONING SCORING RUBRIC

Student Name: _____ Date: _____

Course Title: _____ Reference #: _____

Students must be able to use the knowledge, skills, and attitudes of mathematics and the sciences for effective quantitative reasoning.

ASSESSMENT CRITERIA **LEVELS**

	N/A*	N/E**	Developing	Proficient	Accomplished
1. Results and conclusions: A. Reasonableness of results B. Checks results for correctness C. Justifies conclusions			Results often unreasonable Very seldom checks Very little justification	Results usually reasonable Usually checks Some justification but incomplete	Results almost always reasonable Almost always checks Extensive justification
2. Uses the language and methods of mathematics in other contexts A. Correctly B. Independently					

	N/A*	N/E**	Developing	Proficient	Accomplished
5. Use examples, counter-examples and mathematical proof A. With understanding and insight B. Correctly			Exhibits almost no understanding or insight Makes many errors	Exhibits considerable understanding and insight Makes some errors	Exhibits complete understanding and insight Makes very few errors
6. Uses conjecture and testing, mathematical modeling, computer simulation, and statistical techniques for realistic and relevant real world applications			Requires considerable guidance and explanation	Requires some guidance and explanation	Requires very little guidance and explanation
7. Uses various measurements, data gathering techniques, sampling, probability, and					