

Working Rubric for Assessing Quantitative/Scientific Analysis – v2 May 30, 2017

Component	Proficient 3	Basic 2	Unsatisfactory 1	Not Applicable “NA”
Inquiry and Analysis				
Application of Knowledge to Hypothesis	Can apply knowledge from course to formulate acceptable hypothesis	Can apply knowledge from course to formulate a mostly acceptable hypothesis	Shows limited application of knowledge from course to formulate hypothesis	NA
Quantitative Literacy				
Data Interpretation	Able to interpret data for meaningful insights	Able to interpret data for some insights	Unable to interpret data for any insights	NA
Critical Thinking				
Problem Identification	Able to identify problem or issue and propose steps to resolve the issue or problem	Able to identify problem or issue and propose some of the steps to resolve the issue or problem	Unable to identify problem, or able to identify problem or issue but unable to propose appropriate steps to resolve the issue or problem,	NA
Course Takeaways				
Role of Humans	Can demonstrate how humans impact environment and can give multiple, complex examples	Can demonstrate how humans impact environment and can give one complex example or multiple simple examples	Does not demonstrate how humans impact environment and cannot produce any examples	NA

1. **Critical and Creative Thinking:** to analyze information logically and to utilize and transform knowledge in fair-minded, purposeful, and imaginative ways.

7. **Quantitative/Scientific Analysis:** to use mathematical reasoning and the scientific method to address issues in an increasingly complex, technological world.

10. **Integration/Spirituality:** to understand the importance of developing as a whole person who is spiritually mature and dedicated to being a productive and responsible citizen.