

GEO 4 (Core Competence): Demonstrate scientific reasoning

Outcome	The Student	Assignment/ Measures	Success Criteria	Student Outcomes	Revisions/ Improvements
Scientific Process	<ul style="list-style-type: none"> • Demonstrates proficiency of the scientific process <ul style="list-style-type: none"> - generates testable hypotheses to a scientific question - tests predictions with properly designed experiments - interprets data accurately 		Score > 70%	____ of ____ students met the success criteria.	
Scientific Communication	<ul style="list-style-type: none"> • Clearly and concisely communicates scientific information <ul style="list-style-type: none"> - summarizes data accurately - generates meaningful graphs or tables 		Score > 70%	____ of ____ students met the success criteria.	
Informed Decision-Making	<ul style="list-style-type: none"> • Demonstrates the ability to make scientifically-sound informed decisions <ul style="list-style-type: none"> - identifies shortcomings in experimental design - identifies bias in data interpretation - identifies examples of pseudoscience 		Score > 70%	____ of ____ students met the success criteria.	