Assessment Form: Learning Objective 5

Observing, Experimenting, and Modeling: The Scientific and Quantitative View.

The study of the natural world through careful observation, construction and testing of hypotheses, and the design and implementation of reproducible experiments is a key aspect of human experience. Scientific literacy and the ability to assess the validity of scientific claims are critical components of an educated and informed life. Scientific and quantitative courses develop students' ability to use close observation and interpret empirical data to better understand processes in the natural world. As they create models to explain observable phenomena, students develop their abilities to reason both deductively and inductively.

G5E: Learning Objective 1: The student demonstrates the ability to use scientific methodologies to

•	easonable concluded data a			•	
Method of Assess	ment:				•
	1	2	3	4	5
laval af			_		
Level of Understanding	Unacceptable	Substandard	Satisfactory	More than satisfactory	Superior
Number of Students					
5 and/or G5E:	Learning Objecti	ve 2: The stude	nt can evaluate	scientific inform	nation and/o
cientific texts, ar	nd distinguish dat	ta or facts from in	nterpretation and	d opinion.	
Method of Assess	ment:				
	1	2	3	4	5

Level of Understanding	Unacceptable	Substandard	Satisfactory	More than satisfactory	Superior
Number of Students					
G5Q and/or G5E: empirical data set	• •			•	e and analyze
-	-	strate the ability	model mathema	itical theory.	
Method of Assess	ment:				
	1	2	3	4	5
Level of Understanding	Unacceptable	Substandard	Satisfactory	More than satisfactory	Superior
Number of Students					
Three courses are with attribute G5	•	vith attribute G5	E; another with	attribute G5Q; a	nd a third
Progress and Ad	laptation:				
Identify the improutcomes. Was the comparison of ou	iere improvemei				

What are the improvement goals for next time the course will be taught? To which outcor vill they apply, and what is the basis for these choices?	me(s)
	
	