

Rubric for Core Curriculum Learning Goal

Laboratory Science

Core learning goals: Demonstrate scientific literacy (scientific reasoning)

Demonstrate awareness of issues of science as they influence the individual and society

Students should be able to	4	3	2	1
Criterion A:	Explains scientific	Explains scientific	Explains scientific	Explains scientific
Explain scientific concepts	concepts accurately and	concepts accurately	concepts with some	concepts, but makes
	makes appropriate		errors	significant errors
	inferences			
Criterion B:	Thoughtfully designs and	Designs and successfully	Successfully completes an	Completes an
Complete a scientific	successfully completes an	completes an	investigative analysis	investigative analysis
investigative analysis	investigative analysis	investigative analysis	using scientific	using scientific
	using scientific	using scientific	methodology	methodology, but makes
	methodology	methodology		significant errors
Criterion C:	Fully analyzes and	Sufficiently analyzes and	Partially analyzes and	Minimally analyzes and
Interpret and analyze data	interprets data	interprets data	interprets data	interprets data
Criterion D:	Fully draws conclusions	Sufficiently draws	Partially draws	Minimally draws
Draw conclusions from	from background	conclusions from	conclusions from	conclusions from
background information,	information, data, and	background information,	background information,	background information,
data, and results	results	data, and results	data, and results	data, and results
Criterion E:	Sufficiently evaluate,	Sufficiently identify and	Partially identify and	Minimally identify and
Demonstrate awareness of	identify, and explain the	explain the influence of	explain the influence of	explain the influence of
issues of science as they	influence of scientific	scientific issues on	scientific issues on	scientific issues on
influence the individual and	issues on individuals and	individuals and society.	individuals and society.	individuals and society.
society	society.			