

Evidence of Learning: General Education, Life Science Courses  
 Course \_\_\_\_\_

<b>Gen Ed Learning Goal</b> Students will demonstrate understanding of:	<b>Measurable Learning Outcome</b> Students will demonstrate their understanding by:	<b>Method of Measurement</b> Direct and Indirect Measures*	<b>Threshold</b>	<b>Findings Linked to Learning Outcomes</b>	<b>Interpretation of Findings</b>	<b>Action Plan/Use of Results</b>
<b>Nature of Science.</b> Scientific knowledge is based on evidence that is repeatedly examined, and can change with new information. Scientific explanations differ fundamentally from those that are not scientific.	Learning Outcome 1.	Measure 1:		Measure 1:	Measure 1	Measure 1:
		Measure 2:		Measure 2:	Measure 2:	Measure 2:

<b>GE Learning Goal</b>	<b>Measurable Learning Outcome</b>	<b>Method of Measure.</b>	<b>Threshold</b>	<b>Findings</b>	<b>Interpretation</b>	<b>Action Plan</b>
<b>Integration of Science</b> All natural phenomena are interrelated and share basic organizational principles. Scientific explanations obtained from different disciplines should be cohesive and integrated.						

\*At least one measure per objective must be a direct measure.

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<p><b>Science and Society</b>  The study of science provides explanations that have significant impact on society, including technological advancements, improvement of human life, and better understanding of human and other influences on the earth's environment.</p>						

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<p><b>Problem Solving &amp; Data Analysis</b>  Science relies on empirical data, and such data must be analyzed, interpreted, and generalized in a rigorous manner.</p>						

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<p><b>Levels of Organization</b> All life shares an organization that is based on molecules and cells and extends to organisms and ecosystems.</p>						

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<p><b>Metabolism and homeostasis:</b> Living things obtain and use energy, and maintain homeostasis via organized chemical reactions known as metabolism.</p>						

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<p><b>Genetics and evolution:</b> Shared genetic processes and evolution by natural selection are universal features of all life</p>						

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<p><b>Ecological interactions:</b> All organisms, including humans, interact with their environment and other living organisms.</p>						