

Alignment Between the University General Education Policy and Student Learning Outcomes Assessment Goals and Objectives

<p>B.2. Life Sciences</p> <p>Courses: Biology 100 (5 Units) Biology 202 (5 units) Health Science 120 (5 units)</p>	
<p>GE Policy</p>	<p>Outcomes Assessment Learning Goals</p>
<p>Life Sciences courses shall emphasize a knowledge of the life forms in nature, the rules governing their ecology, the experimental basis for current knowledge and future exploration in the Life Sciences area, and the impact of scientific and technological developments on the biosphere.</p> <p>a. These courses shall be at the introductory level and provide a breadth of knowledge concerning a major area in the life sciences.</p> <p>b. Each Course shall include a three-hour laboratory experience reinforcing the experimental basis for scientific inquiry in the life sciences. These laboratories shall be integrated with the lecture material and provide exposure to the usual techniques and apparatus of the life sciences.</p>	<p>Upon Completion of this requirement students will be able to:</p> <p>Goal 2: After completion of a course in the B2 area, students will be able to explain some of the most important results of scientific inquiry in the life sciences. Students will demonstrate a breadth of knowledge concerning a major area in the life sciences, which also incorporates supportive facts and concepts from other major areas in the life and/or physical sciences. In particular, students will</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. Demonstrate knowledge of the life forms in nature and the rules governing their structure, function and ecology. 2. Demonstrate an understanding of the experimental basis for current knowledge and future exploration in the Life Sciences area. 3. Demonstrate familiarity with the usual techniques and apparatus of the life sciences (e.g, measurement techniques, sterile techniques, microscopy, ...). 4. Utilize the scientific method to design simple experiments and to collect, analyze and evaluate life science data in a lab or field setting.