

# Assessment: Course Four Column



## Courses (SCI) - Biology

### BIOL 100:General Biology/Non Major

Course Outcomes	Assessment Measures	Results	Actions
<p><b>Scientific process and the nature of biology while gaining an appreciation for how science is conducted</b> - Be familiar with the basic concepts of the scientific process and the nature of biology while gaining an appreciation for how science is conducted. Be able to critique and analyze claims in a scientific context.</p> <p><b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>	<p><b>Quiz -</b></p> <ul style="list-style-type: none"> <li>Weekly quizzes</li> <li>Periodic Exams</li> <li>Homework</li> </ul> <p><b>Criterion:</b> Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 28/30 students (10/01/2019)</p>	<p><b>Action:</b></p> <ul style="list-style-type: none"> <li>Make practice problem sets focused on this topic area</li> <li>Include an additional graded homework assignment. (10/01/2019)</li> </ul>
<p><b>Atoms and molecules, the properties of water, and the major macromolecules necessary in living systems</b> - Understand the basic structure of atoms and molecules, the properties of water, and the major macromolecules necessary in living systems.</p> <p><b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>	<p><b>Exam -</b></p> <ul style="list-style-type: none"> <li>Weekly quizzes</li> <li>Exams</li> <li>Homework</li> </ul> <p><b>Criterion:</b> Passing quizzes with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 27/30 students (10/01/2019)</p>	<p><b>Action:</b></p> <ul style="list-style-type: none"> <li>No adjustments anticipated</li> <li>Practice topic tests (10/01/2019)</li> </ul>
<p><b>Basic structure and function of cells and important differences between animal and plant cells. Describe the nature of metabolism including photosynthesis and cellular respiration and its importance to</b></p>	<p><b>Assignment - Written -</b> Weekly quizzes</p> <ul style="list-style-type: none"> <li>Exams</li> <li>Homework</li> </ul> <p><b>Criterion:</b> Passing quizzes with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 25/30 students (10/01/2019)</p>	<p><b>Action:</b></p> <ul style="list-style-type: none"> <li>Use of additional in-class worked examples</li> <li>Include one additional graded homework assignments.</li> <li>Include another short</li> </ul>

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<p><b>living organisms</b> - Understand the basic structure and function of cells and important differences between animal and plant cells. Describe the nature of metabolism including photosynthesis and cellular respiration and its importance to living organisms.</p> <p><b>Course Outcome Status:</b> Active</p> <p><b>Next Assessment:</b> 2023-2024</p>			<p>written topic report/review. (10/01/2019)</p>
<p><b>Physical structures of the body and describe their functions. Understand the processes of inheritance, reproduction, and development and how organ systems maintain homeostasis</b> - Describe the physical structures of the body and describe their functions. Understand the processes of inheritance, reproduction, and development and how organ systems maintain homeostasis.</p> <p><b>Course Outcome Status:</b> Active</p> <p><b>Next Assessment:</b> 2023-2024</p>	<p><b>Exam</b> - • Weekly quizzes</p> <ul style="list-style-type: none"> <li>• Exams</li> <li>• Homework</li> </ul> <p><b>Criterion:</b> • Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019</p> <p><b>Criterion Met:</b> Yes</p> <p>24/41 students (10/01/2019)</p>	
<p><b>Nature of the evolutionary theory and explain the basic concepts of natural selection</b> - Understand the nature of the evolutionary theory and explain the basic concepts of natural selection.</p> <p><b>Course Outcome Status:</b> Active</p> <p><b>Next Assessment:</b> 2023-2024</p>	<p><b>Assignment - Written</b> - • Weekly quizzes</p> <ul style="list-style-type: none"> <li>• Exams</li> <li>• Homework</li> </ul> <p><b>Criterion:</b> Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019</p> <p><b>Criterion Met:</b> Yes</p> <p>26/30 students (10/01/2019)</p>	<p><b>Action:</b> Include an additional brief graded report. (10/01/2019)</p>
<p><b>Organisms and their environment including ecosystems, biomes, and their sustainability</b> - Understand and discuss the relationships between organisms and their environment including ecosystems, biomes, and their sustainability.</p>	<p><b>Quiz</b> - • Weekly quizzes</p> <ul style="list-style-type: none"> <li>• Exams</li> <li>• Homework</li> </ul> <p><b>Criterion:</b> Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019</p> <p><b>Criterion Met:</b> Yes</p> <p>26/30 students (10/01/2019)</p>	

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<p><b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>			
<p><b>Communication Skills -</b> Communication Skills <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>	<p><b>Quiz -</b> • Weekly quizzes • Exams • Homework; problem sets <b>Criterion:</b> Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 28/30 students (10/01/2019)</p>	<p><b>Action:</b> • Add Written Report • Class Discussions • Online Homework (10/01/2019)</p>
<p><b>Critical thinking -</b> Critical thinking <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>	<p><b>Quiz -</b> • Weekly quizzes • Exams • Homework; problem sets <b>Criterion:</b> Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 23/30 students (10/01/2019)</p>	<p><b>Action:</b> • Online Homework • Class discussion (10/01/2019)</p>
<p><b>Critical Thinking (scientific understanding) -</b> Critical Thinking (scientific understanding) <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>	<p><b>Exam -</b> • Weekly quizzes • Exams • Homework; problem sets <b>Criterion:</b> Passing quizzes and exams with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 25/30 students (10/01/2019)</p>	<p><b>Action:</b> • Online Homework • Class Discussions (10/01/2019)</p>
<p><b>Personal &amp; cultural awareness -</b> Personal &amp; cultural awareness (sense of the past) <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>	<p><b>Exam -</b> • Weekly quizzes • Exams • Homework; problem sets <b>Criterion:</b> Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 28/30 students (10/01/2019)</p>	
<p><b>Technological Understanding -</b> Technological Understanding <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2023-2024</p>	<p><b>Exam -</b> • Weekly quizzes • Exams • Homework; problem sets <b>Criterion:</b> Passing quizzes, exams, and homework with 70% minimum score</p>	<p><b>Reporting Period:</b> 2018-2019 <b>Criterion Met:</b> Yes 24/30 students (10/01/2019)</p>	<p><b>Action:</b> • Quizzes • Lecture Exams (10/01/2019) <b>Follow-Up:</b> This GenEd course (BIOL100) is a survey of general biology for non-science majors. This course is valuable because it presents an opportunity introduce non-science majors to significance and relevance of the</p>

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diverse biological processes that affect each of us every day of our lives in various ways. In addition, this course provides a valuable vehicle for introducing the student to the practical importance and very real benefits of developing critical thinking skills to help recognize and filter some of the excessive mis- and dis-information we are all subjected to in this era of mass information overload.  
(10/01/2019)