

**Eastern West Virginia Community and Technical College
COURSE ASSESSMENT REPORT (Blackboard Data)**

Course Title and Number: Biology I Lecture BIO 101	Academic Term and Year of Assessment Activity Fall, 2019
Report Submitted By Jody Klann	Number of Students Assessed: 23
Date Report Submitted: 5/8/2020	Number of Sections Included: 1
Course Delivery Format (list all modalities used in sections assessed. Ex: web based, VDL, traditional section, hybrid course, etc.): Online	

Course Role in the Curriculum
Provide a description of the role the course serves in the curriculum (i.e. general education requirement, program technical core, restricted elective, etc.). Note all as appropriate.
<p>Catalog Description: This course will introduce concepts of cell structures, function, and reproduction. Common biochemical phenomena, particularly the metabolic processes of photosynthesis and cellular respiration, will be surveyed by the course. A description of the form and the function of DNA will be related to mechanisms of inheritance. The highlights of Darwin's theory of natural selection and other aspects of evolutionary theory will be explored</p> <p>Expanded Course Description: Lecture, class discussion, and class participation will be the main instructional procedures for the lecture portion of this course. A two-hour lab will be conducted each week.</p> <p>Role in College Curriculum: (Check all that apply)</p> <p>X General Education Core: Natural Science Lecture and Lab</p> <p>” Restricted Elective (Specify Program)</p> <p>X General Elective</p> <p>” Workforce Education</p> <p>” Other (Please specify</p>

Previous Assessment Reports and Results

Date of Previous Assessment:
Describe the successful elements of the previous report’s action plan below.
Refer to any unmet Learning Outcomes in the Action Plan section, following. If appending pages, include notation in box to “See attached”.

No previous assessments.

Assessment Methods

Provide a description of the assessment process used. Include description of instrument and performance standards in description. Note all methods.

6 assignments
 8 quizzes



Assessment Results: Detail by Goal			
Detail by Goal	Overall Average	Average by Type (Count)	
		Assignments	Tests
BIO 101 Goals			
<u>01. Perform the steps of the scientific method and communicate with precision, clarity, fluency, accuracy, and coherence through reading, writing, and oral communications.</u>	87.5%	87.5% (1)	
<u>02. Apply mathematical concepts appropriate to critically analyze and evaluate experimental data.</u>	78.3%	78.3% (1)	
<u>03. Apply biological knowledge and scientific principles to ethical concerns, civic engagement, and lifelong learning activities.</u>	78.3%	78.3% (1)	
<u>04. Examine the origins, organization, and requirements of life.</u>	81.7%		81.7% (1)
<u>05. Relate concepts of chemistry to the components and processes of life.</u>	86.1%	87.0% (1)	85.2% (1)
<u>06. Describe the components, functions, and processes of cells.</u>	87.0%	87.0% (1)	
<u>07. Differentiate between various methods of cellular division and reproduction.</u>	77.7%		77.7% (3)
<u>08. Differentiate between various processes of attaining and using energy.</u>	82.9%	89.3% (1)	76.6% (1)
<u>09. Explain the structures, processes, and functions of genetic material.</u>	78.3%	78.3% (1)	
<u>10. Explain natural selection and biological evolution.</u>	81.3%	87.0% (1)	75.7% (1)
<u>11. Recognize the link between science and technology, including the use of technology for learning, research, and communicating findings.</u>	80.0%		80.0% (1)

* Please note if using a different minimum performance standard.

Conclusions
Provide a brief summary of conclusions derived based on analysis of data. Append additional pages if necessary. If appending, include notation in box to "See attached".
All 11 learning outcomes were met by 75% or more.
Assignments and quizzes both appear to be achieving positive results.

Action Plan and Date for Reassessment
Identify action plan for improvement or maintaining current performance levels including outcomes identified for re-assessment, curriculum revision, LOT proposal, new or revised course activities to reinforce learning outcomes, etc. Append additional pages if necessary. If appending, include notation in box to "See attached".
It appears that both the assignments and quizzes are helping students to learn the necessary concepts. I would like to add in even more either graded or not graded activities to help with the class concepts. I would like to use extra videos the students could use as resources with either a question set or a quick quiz after to access the gained knowledge.

**Assessment Committee Recommendation/Approval
(To be posted by Assessment Committee Chair)**

- Approved as presented
- Approved with recommendations for future reports (Explanation Required)
 - This report was a combination of lecture and lab sections. In future, this could be made clear in the report to illustrate that both sections have been assessed.
- Resubmission Required. Reason for Resubmission:
Date: 5/22/20