Department: Natural Sciences Date: 11/1/19 Course(s): Bio 111	
Alternative Format(s) – select as many as are applicable:	
	• .
	elect
Members (must include more than course instructor only) involved with the develor Assessment Plan: Kyle Johnson, Robert Hermann, Jennifer Fruend	opment of this
Course Requirements:	
1. Each alternative delivery course meets credit hour requirements? (135 clock hourse	rs)
a. Attach: Credit Hour Audit - traditional format	
b. Attach: Credit Hour Audit for each alternative format. (Dual credit will b	be provided by
the Dual Credit Coordinator)	
<ol><li>Course requirements for all formats are comparable.</li></ol>	
a. Attach: Course Guide - traditional format.	
b. Attach: Course Guide for each alternative format. (Dual credit will be properly of the second	rovided by the
Dual Credit Coordinator)	
Student Outcome:	
<b>1.</b> What student outcome will be assessed? Do students understand basic concepts	s of the process
of science, cell biology, biochemistry, genetics, and molecular biology, and can th	ney apply their
knowledge of these topics?	
2. State as follows: Students should be able to [action verb] [something]. Students should be	
able to demonstrate an understanding of a selection of fundamental concepts and basic	
knowledge of the process of science and introductory molecular and cell biology.	
<b>Question</b> : What specific question(s) are you attempting to answer through assessing this student outcome? (What are you trying to find out? There may be more than one question, but no more than	
<i>three.)</i> Do students understand basic concepts of the process of science, cell biology, biochemistry,	
genetics, and molecular biology, and can they apply their knowledge of these topics?	noonennistry,
Methodology	
1. Student Outcome - OBJECT*	
a. What student artifact from the traditional course will be used to assess the	
multiple choice concept inventory developed and validated by experts in Big	iology
Education Research.	
i. How will the artifact be collected? As questions on the final exam	the outcome? A
<ul> <li>What student artifact from the alternative course(s) will be used to assess t multiple choice concept inventory developed and validated by experts in Bio</li> </ul>	
Education Research.	lology
i. How will the artifact be collected? As questions on the final exam	
Analysis of Artifacts:	
1) Student Outcome: PERFORMANCE CRITERIA*	
a. How will the artifacts be analyzed (attach rubrics/scoring tools if used):	
i. Traditional course: Multiple choice questions will be graded	
ii. Alternative course(s) (note SAME if the same as the traditional course)	
2) COMPARABILITY - How you will determine if the outcomes of the two are comp	•
example – there will not be a statistically significant difference among the mean final example	
test will be used to assess whether the means between the traditional and dual credit cla	asses are
statistically different.	
Submitted by Kyle B. Johnson Deter 44/4/4	10
Submitted by: Kyle B. Johnson Date: 11/1/1 Reviewed by the Assessment Committee (Date): Approved 11/1/19	13