

### #3. Assessment Plan: Alternative Delivery - Student Outcomes

To be completed by course instructors or program directors for 3 credit courses that are offered in **BOTH** the traditional (15 week face-to-face) format and in an alternative format (dual credit, online, and condensed time formats). Submit via email to the Assessment Committee Chair.

**Department: Natural Sciences**                      **Date: 28 Nov 16**      **Course(s): Bio 110**  
**Alternative Format(s) – select as many as are applicable:**

**Dual Credit**              **Select**              **Select**              **Select**              **Select**              **Select**

**Members (must include more than course instructor only) involved with the development of this Assessment Plan: Jennifer Freund; Rob Hermann; Kyle Johnson**

#### Course Requirements:

1. Each alternative delivery course meets credit hour requirements? (135 clock hours).
  - a. **Attach: Credit Hour Audit - traditional format**
  - b. **Attach: Credit Hour Audit for each alternative format.** (Dual credit – must attach one for each instructor).
2. Course requirements for all formats are comparable.
  - a. **Attach: Course Guide - traditional format.**
  - b. **Attach: Course Guide for each alternative format.** (Dual credit – must attach one for each instructor).

#### Student Outcome:

1. *What student outcome will be assessed? Integrate biological thinking and concepts into everyday scenarios.*
2. **State as follows: Students should be able to [action verb] [something].** As a result of this class and activities within this class, the student shall be able to use basic biological principles and apply it to an everyday living scenario.

**Question:** *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 three.)* I want to know if students can (a) recall biological principles, (b) select related principles for a given scenario, (c) apply the principle logically to solve a problem or explain a phenomenon, and (d) relate biological concepts to global or social contexts.

#### Methodology

1. **Student Outcome - OBJECT\***
  - a. *What student artifact from the **traditional course** will be used to assess the outcome?* Students will practice this skill using case studies, video clips, and discussion in class, but the assessment will be in the form of a section of short answers on the final exam.
    - i. *How will the artifact be collected?* Final exam essays (attached) given in class.
  - b. *What student artifact from the **alternative course(s)** will be used to assess the outcome?* short answers on written assignments or exams
    - i. *How will the artifact be collected?* written exams or assignments given in class.

#### Analysis of Artifacts:

- 1) **Student Outcome: PERFORMANCE CRITERIA\***
  - a. *How will the artifacts be analyzed (attach rubrics/scoring tools if used):*
    - i. Traditional course: rubric attached
    - ii. Alternative course(s) (note SAME if the same as the traditional course): same
- 2) **COMPARABILITY - How you will determine if the outcomes of the two are comparable? (For example – there will not be a statistically significant difference among the mean final exam scores).** The alternative delivery format will score similarly or better to the traditional format--t-test will determine if there are significant differences between the means.

**Submitted by: Jennifer Freund**

**Date: 29 Nov 2016**

**Reviewed by the Assessment Committee (Date): 12/9/16**

**Submitter notified/additional action: na**

**Submitter notified of approval: 12/9/16**

