#3. 2017 – 18 Assessment Plan: Alternative Delivery

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 & Computer Science **Date: 10/10/17** **Course(s): Phys 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: Rob Hermann, Kyle Johnson, Kristy Jurchen, Jen Fruend**

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 will be provided by the Dual Credit Coordinator)
2. Course requirements for all formats are comparable.
   a. **Attach: Course Guide - traditional format.**
   b. **Attach: Course Guide for each alternative format.** (Dual credit will be provided by the Dual Credit Coordinator)

Student Outcome:

1. *What student outcome will be assessed? "communicate understanding and information about the world in verbal, graphical, and analytical languages" and "analyze a natural situation to determine how the world behaves in that experience", from the course syllabus*
2. **State as follows: Students should be able to [action verb] [something]**. Students should be able to analyze natural situations and communicate understanding and information about the world in verbal, graphical, and analytical languages.

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.)* Are students able to analyze natural situations and communicate understanding and information about the world in verbal, graphical, and analytical languages.

Methodology

1. **Student Outcome** - *OBJECT**
   a. *What student artifact from the traditional course will be used to assess the outcome*? 40-question multiple choice exam, taken from the course bank for the standard textbook and given in association with the final exam for the course.
      i. *How will the artifact be collected?* Exam will be given during the final exam period.
   b. *What student artifact from the alternative course(s) will be used to assess the outcome?* 40-question multiple choice exam, taken from the course bank for the standard textbook and given in association with the final exam for the course. (Same as for traditional course)
      i. *How will the artifact be collected?* Instructors will give the exam to the students near the end of the school year, near or with the final exam. Instructors will grade the exam and return the scores to the dual credit liasion.

Analysis of Artifacts:

1) **Student Outcome:** *PERFORMANCE CRITERIA**
   a. *How will the artifacts be analyzed (attach rubrics/scoring tools if used):*
      i. Traditional course: Scores (means and distributions) will be analyzed.
      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). Means and distributions will be analyzed; t-tests will be performed to determine whether differences are significant.

Submitted by: Rob Hermann **Date: 10/10/17**
Reviewed by the Assessment Committee (Date): 10/10/17
Submitter notified/additional action: na **Submitter notified of approval: 10/10/17**