

#3. 2022 – 23 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: Math **Date: Fall 22 – Spring 23** **Course(s): Math 333 - Linear Algebra**

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: Brian Albright, Ed Reinke

Course Requirements: Course syllabi and credit hour calculators are collected by the Dual Credit Coordinator (Dual Credit Courses) and the respective Deans for other courses.

Student Outcome:

1. *What student outcome will be assessed? Can students solve common linear algebra problems*
2. **State as follows: Students should be able to [action verb] [something].** Students should be able to solve common linear algebra problems

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.)* Can students solve common linear algebra problems?

Methodology

1. **Student Outcome - OBJECT***
 - a. *What student artifact from the **traditional course** will be used to assess the outcome?*
CUNE students will be given a set of common linear algebra problems.
 - i. *How will the artifact be collected?* Through an in-class quiz.
 - b. *What student artifact from the **alternative course(s)** will be used to assess the outcome?*
Dual credit students will be given the same set of common linear algebra problems
 - i. *How will the artifact be collected?* Instructors will submit their students' answers

Analysis of Artifacts:

- 1) **Student Outcome: PERFORMANCE CRITERIA***
 - a. *How will the artifacts be analyzed (attach rubrics/scoring tools if used):*
 - i. Traditional course: Problems will be scored using a scoring key.
 - 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). A 2-sample t-test will be used to compare the two sets of scores.

Submitted by: Brian Albright

Date: 9/8/22

Reviewed by the Assessment Committee (Date): 9/8/22

Submitter notified/additional action: na

Submitter notified of approval: 9/8/22