

2022 – 23 Alternative Delivery Assessment Plan

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 to the Assessment BlackBoard site.

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| Department: Business and Mathematics Date: 9/9/22 Course: Math 184 Alternative Format(s) – select as many as are applicable: Dual Credit Select Select |
| Members (must include more than course instructor only) involved with the development of this Assessment Plan: Ed Reinke, Brian Albright |
| 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. <i>What student outcome will be assessed? Differentiation of functions</i> 2. State as follows: Students should be able to [action verb] [something]. Students should be able to apply differentiation rules. |
| Question: <i>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> Can students use the standard rules of differentiation to find the derivative of a function? |
| Methodology 1. Student Outcome - OBJECT* a. <i>What student artifact from the traditional course will be used to assess the outcome?</i> Responses to a multi-part differentiation question. i. <i>How will the artifact be collected?</i> Instructor will submit responses to test questions asking students to find derivatives. b. <i>What student artifact from the alternative course(s) will be used to assess the outcome?</i> Responses to a multiple questions involving derivatives. i. <i>How will the artifact be collected?</i> Instructor will submit responses to test questions asking students to use differentiation rules. |
| Analysis of Artifacts: 1) Student Outcome: PERFORMANCE CRITERIA* a. <i>How will the artifacts be analyzed (attach rubrics/scoring tools if used):</i> i. Traditional course: A student's score on the multi-part question will be the number of parts answered completely and correctly. 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 two sample t-test will be used to compare face-to-face scores with Dual Credit scores. |
| Submitted by: Edward Reinke Date: 9/9/22 Assessment Committee Reviewed (Date): 9/9/22 |
| Submitter notified or approval/ or additional action needed: Approved 9/9/22 |