

#4. 2017 – 18 Executive Summary: Undergraduate Program Assessment: Alternative Delivery

Submit to the Assessment Committee Chair via email.

Department: Mathematics	Date: 6/14/2018	Course(s): Math 184
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 analysis of artifacts:		
See #3 Assessment Plan: Alternative Delivery: Student Outcomes for: a) Course requirement evaluation; b) Student Outcome; c) Question(s); e) Methodology		
Analysis of artifacts:		
1). Student Outcome: PERFORMANCE CRITERIA * - How was data analyzed? (attach rubrics/scoring tools if used). Students were given a graphical analysis problem divided into 5 parts. Each student's score was his or her number of correct or consistent questions out of 10.		
2). COMPARABILITY – How did you determine if the outcomes of the traditional and alternative deliver modes were comparable? (note “na” if delivery modes were not compared). The traditional students and the Dual Credit students taking the exam were treated as two random samples, and a T-Test was used to test the claim that the Dual Credit students come from a population whose average score is at least as high as the average score of the population from which the traditional students come.		
Summary of RESULTS*:		
1). Restate the assessment question(s) (from the Assessment plan): Can students use derivatives to analyze the graph of a function?		
2). Summarize the assessment results. A narrative summary is required. Charts, tables or graphs are encouraged but optional. The 30 traditional students taking the assessment had a mean score of 4.4 and a standard deviation of 0.93. The 48 dual credit students had a mean of 4.5 with a standard deviation of 0.78. A two sample t-test of the claim that the Dual credit students score at least as well as the traditional students yields a p-value of 0.69. There is no evidence reject the claim.		
3). INTERPRETATION * - Discuss how the results answer the assessment question(s). Both populations seemed capable of the given taks.		
4). Observations made that were not directly related to the question(s). (i.e. interrater reliability of the scoring tool was low) none		
5). How did the outcomes of the traditional and alternative format analysis compare? The scores were comparable for the two groups.		
Sharing of Results:		
When were results shared? Date: 6/29/18		
How were the results shared? (i.e. met as a department) electronically		
Who were results shared with? (List names): Brian Albright, Ed Reinke, Andy Langewisch		
Discussion of Results –Summarize your conclusions including:		
1. ACTION *- How will what was learned from the assessment impact the alternative format teaching of this course starting the next academic year? no specific action will be taken at this time		
2. IMPACT *- What is the anticipated impact of the ACTION * on student achievement of the learning outcome in the next academic year? none		
3. BUDGET IMPLICATIONS – Indicate budget requirements necessary for the successful implementation of the ACTION * (i.e. an additional staff person, new equipment, additional sections of a course). none		
Submitted via email to Assessment Committee Chair by: Ed Reinke		
Reviewed by the Assessment Committee (date): 7/2/18		
Submitter notified/additional action needed: na		
BUDGET IMPLICATIONS – Assessment Committee Chair notified appropriate Dean: 7/2/18		

