

#4. Executive Summary: Undergraduate Program Assessment: Alternative Delivery

Course: Math 122, Intro to Stats Alternative Format: Other Explain "Other" if selected: Dual Credit

Department: Math Date: Fall 2019 - Spring 2020

Members (must include more than course instructor only) involved with analysis of artifacts: Brian Albright, Ed Reinke

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).* Each dual credit teacher submitted responses to a one-way ANOVA hypothesis testing problem given on a test or quiz. These problems were graded using a rubric. The same problem from face-to-face students were also graded using the rubric. Scores for each category were averaged on a Likert-type scale. Scores from the dual credit students were compared to those from face-to-face students using a 2-sample T-test.
- 2). **COMPARABILITY** – *How did you determine if the outcomes of the traditional and alternative delivery modes were comparable? (note "na" if delivery modes were not compared).* Data could not be collected due to COVID-19 restrictions

Summary of **RESULTS***:

- 1). *Restate the assessment question(s) (from the Assessment plan):* Can students properly perform a one-way ANOVA hypothesis test?
- 2). *Summarize the assessment results. A narrative summary is required. Charts, tables or graphs are encouraged but optional.* Data could not be collected due to COVID-19 restrictions
- 3). **INTERPRETATION*** - *Discuss how the results answer the assessment question(s).* N/A
- 4). *Observations made that were not directly related to the question(s). (i.e. interrater reliability of the scoring tool was low)* N/A
- 5). **How did the outcomes of the traditional and alternative format analysis compare?** (note "na" if delivery modes were not compared). **N/A**

Sharing of Results:

When were results shared? Date: 6/9/2020

How were the results shared? (i.e. met as a department) Met as a team

Who were results shared with? (List names): Brian Albright, Ed Reinke

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?* N/A
2. **IMPACT***- *What is the anticipated impact of the ACTION* on student achievement of the learning outcome in the next academic year?* N/A
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: 6/9/2020

Reviewed by the Assessment Committee (date): 7/15/2020

Submitter notified/additional action needed: 7/15/2020 **BUDGET IMPLICATIONS** – Assessment Committee Chair notified appropriate Dean: na Approved & Posted to Assessment site: 7/15/2020