2024 – 25 Alternative Delivery Assessment Plan

Department: Mathematics & Computer Science **Date: 9/16/2024** **Course: Math 122 - Intro Stats**
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: Timothy Schroeder, 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? Understanding of basic statistical concepts*
2. **State as follows: Students should be able to [action verb] [something]**. Students should be able to demonstrate understanding of basic statistical concepts covered on exams.

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 perform statistical calculations, execute statistical tests, and make statements based on statistical findings.

Methodology

1. **Student Outcome** - *OBJECT**
    a. *What student artifact from the traditional course will be used to assess the outcome*? Performance on select exam questions.
        i. *How will the artifact be collected?* Through scores reported to me by instructors of sections on campus.
    b. *What student artifact from the alternative course(s) will be used to assess the outcome?* Performance on select exam questions.
        i. *How will the artifact be collected?* Through scores reported to me by instructors of dual-credit sections.

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 will be analyzed and compared.
        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).
Compare the scores with a 2-sample t-test or other appropriate statistical methods.

Submitted by: Timothy Schroeder Date: 9/12/2024 Assessment Committee Reviewed (Date): 9/13/24

Submitter notified of approval/ or additional action needed: Approved