2023 – 24 Alternative Delivery Assessment Plan

Department: Math and Computer Science **Date: 6/14/2024** **Course: CS 131**
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: Marcus Gubanyi, Kent Einspahr**

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? Knowledge of Computer Science, Programming Skill*
2. **State as follows: Students should be able to [action verb] [something**]. Explain computer science concepts, interpret programs, and develop programs to solve 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.)* At the end of the course, are students enrolled in dual credit sections of CS 131 able to explain computer science concepts, interpret programs, and develop programs as well as traditional students?

Methodology

1. **Student Outcome** - *OBJECT**
    a. *What student artifact from the traditional course will be used to assess the outcome*? A 20 question final exam will be given.
        i. *How will the artifact be collected?* The results for all final exams completed in Fall 2023 will be downloaded from Blackboard.
    b. *What student artifact from the alternative course(s) will be used to assess the outcome?* Dual credit instructors with collaborate with the dual credit liaison to select an appropriate sample of final exam questions for DC students to take.
        i. *How will the artifact be collected?* All common assessments completed by dual credit students.

Analysis of Artifacts:

1) **Student Outcome:** *PERFORMANCE CRITERIA**
    a. *How will the artifacts be analyzed (attach rubrics/scoring tools if used):*
        i. Traditional course: For the purposes of dual credit assessment, each question will be assessed as correct (full points) or incorrect (no points). Questions are either 2 points or 3 points each. A students score will be on the common assessment will be the sum of their questions. For the purposes of dual credit assessment, a sample of questions will be used from the final exam for each dual credit section.

        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).
Determine statistically significant difference based on a t-test for independent samples and compare mean scores of sections.

Submitted by: Marcus Gubanyi **Date: 6/14/2024** **Assessment Committee Reviewed (Date): 6/14/24**
Submitter notified or approval/ or additional action needed: Approved