2019 – 20 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.

Department: Natural and Computer Sciences **Date: 8/7/2019** **Course: CS131**

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:

1. Each alternative delivery course meets credit hour requirements? (135 clock hours).
   a. **Attach: Credit Hour Audit - traditional format**
   b. **Attach: Credit Hour Audit for each alternative format**. (Dual credit will be provided by the Dual Credit Coordinator)
2. Course requirements for all formats are comparable.
   a. **Attach: Course Guide - traditional format.**
   b. Attach: Course Guide for each alternative format. (Dual credit will be provided by the Dual Credit Coordinator)

Student Outcome:

1. *What student outcome will be assessed? Have experience in problem solving and algorithm development as assignment statements are turned into successful programs.*
2. **State as follows: Students should be able to [action verb] [something**]. Develop working programs that correctly solve real world 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.)* Can students write a program that correctly solves a real world problem? Can students write a program that is well written and well documented?

Methodology

1. **Student Outcome** - *OBJECT**
   a. *What student artifact from the traditional course will be used to assess the outcome*?
      i. *How will the artifact be collected?* Text (.txt) files of student submissions will be collected.
   b. *What student artifact from the alternative course(s) will be used to assess the outcome?* Student submissions for a text-based, menu-driven program that solves a real-world problem. Examples could include a salary calculator, a simple game,
      i. *How will the artifact be collected?* Alternative course instructor will provide text (.txt) files of student submissions.

Analysis of Artifacts:

1) **Student Outcome:** *PERFORMANCE CRITERIA**
   a. *How will the artifacts be analyzed (attach rubrics/scoring tools if used):*
      i. Traditional course: Attached rubric will be used to score each student submission.
      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).
   There will not be a statistically significant difference among the mean program grades.

Submitted by: Marcus Gubanyi **Date: 8/7/2019** **Assessment Committee Reviewed (Date): 10/16/19**

Submitter notified or approval/ or additional action needed: Approved 10/16/19