

#3. 2017 – 18 Assessment Plan: Alternative Delivery

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 via email to the Assessment Committee Chair.

Department: Business & Mathematics **Date: 12/11/2017** **Course(s): BUS 343**
Alternative Format(s) – select as many as are applicable:

Online Select Select Select Select Select

Members (must include more than course instructor only) involved with the development of this Assessment Plan: Andy Langewisch, Tim Heidorn

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? The average score for utilizing quantitative tools of Operations Management.*
2. **State as follows: Students should be able to [action verb] [something].** Students should be able to successfully utilize Excel-based tools to solve a wide-range of operations management 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.)* Are students who take the course online similar in their degree of success to those who benefit from in-class demonstrations in utilizing Excel-based tools to solve a wide range of operations management problems.

Methodology

1. **Student Outcome - OBJECT***
 - a. *What student artifact from the **traditional course** will be used to assess the outcome?* Average scores from myomlab software, which algorithmically generates unique problems for each student.
 - i. *How will the artifact be collected?* The myomlab software tracks the scores, which I download into an Excel workbook for comparison.
 - b. *What student artifact from the **alternative course(s)** will be used to assess the outcome?* Same
 - i. *How will the artifact be collected?* Same

Analysis of Artifacts:

- 1) **Student Outcome: PERFORMANCE CRITERIA***
 - a. *How will the artifacts be analyzed (attach rubrics/scoring tools if used):*
 - i. Traditional course: A frequency histogram of scores will illustrate the distribution of success achieved by the students.
 - 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).** A visual comparison of distributions will be used as an initial check. If there seems to be a strong visual difference, a statistical test may be run.

Submitted by: Andy Langewisch

Date: 12/11/17

Reviewed by the Assessment Committee (Date): 12/13/17

Submitter notified/additional action: na Submitter notified of approval: 12/13/17