GBC Class/Course Assessment Report

Course Prefix, Number, and Title: CADD 421   Advanced CAD for Land Surveyors   **Academic Year: Spring 2024**
Department: Computer Technologies Department   **Section Number(s): 1001**
Instructor: Byron Calkins   **Is this a GenEd class? No__x_**

Complete and submit your assessment report electronically to your department chair. As needed, please attach supporting documents and/or a narrative description of the assessment activities. You may use as many or as few outcomes as necessary.

Class/Course Outcomes	Assessment Measures	Assessment Results	Any Changes Made as a Result of Assessment
In the boxes below, summarize the outcomes assessed in your class or course during the last year. If this is a GenEd class, include the appropriate GenEd objectives.	In the boxes below, summarize the methods used to assess course outcomes during the last year. Include the criterion you'll use to judge whether or not students have achieved the expected outcome.	In the boxes below, summarize the results of your assessment activities during the last year. Include your judgement as to whether or not the criterion for student achievement has been met.	In the boxes below, summarize how you plan to use the results to improve student learning.
Outcome #1: Implement "elements of best practice' in the creation of survey plats and maps	Assessment Measure: Labs 1-6 Criterion for achievement: 80% of all students will score a 70% or better.	Results:4/4 100% Criterion Met: Yes	Action Plan: No action required other than keep software current with the textbook.
Outcome #2: Execute advanced AutoCad commands to create survey drawings	Assessment Measure: Labs 1-3 Criterion for achievement: 80% of all students will score a 70% or better.	Results: 13/13 100% Criterion Met: Yes	Action Plan: No action required other than keep software current with the textbook.

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Outcome #3: Setup Field to Finish Codes	Assessment Measure: Labs 3-6 Criterion for achievement: 80% of all students will score a 70% or better.	Results: 4/4 100% Criterion Met: Yes	Action Plan: No action required other than keep software current with the textbook.

Notes:

This course offers an advanced approach to computer-aided drafting (CAD) software to create survey plats and topographic maps.

This course was added to the LSG curriculum to help facilitate and convey real world and work related concepts of Computer Aided Drafting (CAD) and its associated components in relation to land surveying. Students who have a sound CAD background will find the textbook--- A Practical Guide to Carlson Survey 2023, authored by Rick Ellis, a useful resource to further enhance their fundamental knowledge base for performing CAD related tasks within Carlson 2023 Software.

Students did very well with the textbook lab assignments with 100% of the students scoring above 70% on all measurable outcomes. The average grade for 4 students enrolled was 94.75%

I have no actionable assessment recommendations for this course other than to keep software current with the textbook. We use a new version of CAD and textbook yearly. In fall 2024, we will be using Carlson 2024 and the 2024 textbook.

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I have reviewed this report:

_____   _____
Department Chair   Dean

Date_____   Date_____

_____
Vice President of Academic Affairs and Student Services

Date_____