DeAnza College

SLO Assessment Cycle for CDI 83A

AutoCAD Architectural Desktop - No Longer Offered SLO Modified: [12/18/2011]

Louis Gary Lamit's Team Members:

1. Steve Keith (x) CDI

Additional Team members not on list/notes about team:

Additional Notes:

Outcomes:

Outcome 1: Statement Modified: [10/22/2010]

Functioning as a drafter using AutoDesk Revit Architecture, the student will complete numerous exercises in compliance with industry-defined standards. Including:

* The student will complete numerous exercises in compliance with AIA architectural standards.
* The student will capture building information. The student will create 3D building elements, such as circulation, curtain walls, framing elements, etc.
* The exercises shall include: architectural documentation including floor plans, elevations, site plans and sections.

Assessment Cycle Records:

Outcome 1: Assessment Planning Modified: [12/18/2011]

Assessment Strategy Used:
Quarter: Fall 2011
Assessors: Steve Keith
Assessment Tools: Exams • Portfolios • Logs
Sections being assessed: 01L, 63Z

Outcome 1: Reflect & Enhance Modified: [12/18/2011]

Number of people involved in Phase III: 67

Changes:

Methods:
Outcome 1: Assessment Planning [edit]
Assessment Strategy Used:
Quarter: Fall 2011
Assessors: Louis Gary Lamit and Steven Keith
Assessment Tools: Exams • Portfolios • Logs
Sections being assessed: 01L and 62Z

Catalyst Course Management System was used to issue, receive, & grade assignments throughout the quarter. Video, Instant Messaging, and Email are used to expand student knowledge of the software and the class requirements. A forum in Catalyst is used to encourage and inform students.
☐ Reading assignments are the foundation of the course.
☐ 14 projects of various sizes & complexity are assigned throughout the
quarter. Exercising the software will bring meaningful understanding.
☐ 5 Quizzes measure the student's command of factual information.
☐ 1 Mid-Term to assist students determine their depth of knowledge at the mid-term
☐ 1 Final Examination determines where further study may be needed.
☐ A "Student Documentation Package" (Autodesk designer .dwfx format) is used to collate and document all course work.

Summary:
Of the 66 enrolled according to our Banner System 17 dropped before the first day of class. Seven students subsequently withdrew for various reasons. 42 students participated in the class. 26 students will pass this course. Over 45% of the students in this section completed all of the work, with about 56% excellence (completion of 90+% of all assigned course work).

Of course, I am most concerned with the students unable to pass the course. The vast majority of those not passing the course completed less than 20% of their assignments and quizzes and did not attempt the Midterm Exam or the Final Exam. In other words those who tried were successful and those who did not failed. The question still remains, "why did these students stop trying?" As the last day to withdraw grew near, I contacted students by email and telephone to determine their desire to continue. All of the students I contacted expressed a desire to

continue. Many of these students (greater than 60%) did not complete the course. I am going to phone and or email those students who have failed to better understand this phenomenon and determine steps to avoid it in future.

Revit software is widely used in Architecture today. Students of Architecture find Revit to be an indispensable tool when designing and managing large commercial projects and high end custom homes. The student who takes the instructors advice to budget 10 hours each week devoted to this particular course does very well. I would like to point out that this course, when taught in our classroom is four hour of lecture followed by 4 hour of lab and does not include reading which expected to done as homework. In general, few students who procrastinate or fail to commit time each week fall too far. The course is a hybrid, thus, many students work entirely from a remote location. Students studying in our classroom seem to have a much better rate of success than those studying remotely. Is this situation due to the discipline inherent in the classroom environment? I can't say for certain as there were only a small number of students working in the classroom thus not the best measure of this metric.

I believe some students were dismayed to discover learning the software would not teach them architecture or architectural drafting. A basic understanding of Architecture and architectural documentation is needed to appreciate the structure of building information management software such as Revit. A number of students have used our entry-level CAD classes as a survey of an industry or career.

26 students completed the class and received a grade.

Activity Report:
*19 students received a grade of 90+% (56% of class)
*5 students received a grade of 80-90% (10% of class)
*2 students received a grade of -70% (8% of class)
*4 students are under -Incomplete status (12% of class)

Enhancement (Part I):
Recorded lectures have proved less useful than I had hoped. I believe that offering online real time support will be much more beneficial to students. The "self-paced" nature of the class did not serve to inspire some students to participate. Most of the students who succeeded worked on a very regular schedule. I strongly suspect that online conferencing will encourage students to remain engaged in the hybrid class.

Enhancement (Part II):
I am going to conduct post class interviews with my unsuccessful students by phone and email. I will implement whatever discoveries the poll discloses. I will adjust my SLO as seems appropriate with regard to the review

In future I will use CCC Confer for online conferencing to directly assist students with difficult content. I will enforce a rigid schedule of assignment submission, quizzes, and Exams. Through Catalyst, I can still be flexible, but I won't advertise the fact to my students.

[Number of Outcomes for CDI 83A: **1**]