De Anza College **SLO ARCHIVE**

Student Learning Outcomes for CDI 74A

Pro/ENGINEER Wildfire (Pro/SURFACE)

Team Members:

Team Leader:	**Additional team members/notes about team:**
Louis Gary Lamit (8627) in CDI	
	Additional Notes:
Other members:	

1. Max Gilleland (x5578) CDI
2. James Gee (x) CDI

Outcomes:

Outcome 1 Phase I: Statement

Functioning as a designer using Pro/ENGINEER, the student will create an engineering document package which complies with industry-defined standards and shall include the following:* Surface models* 3D Solid components generated from surfaces.

Outcome 1 Phase II: Assessment Strategy Used:

Assessment Quarter: Spring 2011
Assessors: James Gee
Assessment Tools: • •
Sections being assessed: 61, Z

Outcome 1 Phase III: Reflect & Enhance

Number of people involved in Phase III: 32

Changes:
N/A

Methods:
Assessment Tools:*21 exercises and skill exercises from the two textbooks.*3

miscellaneous exercises to test modeling skills.*1 quiz.*1 final exercise.*Final Student Documentation PortfolioCatalyst Course Management System was used to issue, receive,& gradeassignments throughout the quarter.*Reading assignments covering the current text are the foundation of the course content with 21 exercises from the two textbooks.*3 miscellaneous part modeling exercises that demonstrate key softwarefunctions and abilities.*1 quiz.*1 final exercise.*Final Student Documentation Portfolio used to collate and document all course work.

Findings and Conclusions:
Summary:Over 72% of the students in this section completed all of the course work with about 43% excellence (completion of all assigned course work with a grade of 90%+).The general trend for the Surface class was that if the student did the work and listen to the lectures and put a little bit of time and effort in; these are the students that did very well in the class. Another general trend was that the typical students would excel at the work s/he attempted. Work assigned early in the quarter is usually done well, leaving work assigned later in the quarter incomplete in some cases.In general, the student who takes the instructors advice to budget 8hours/week of study devoted to this particular course does very well,while the student who spent less time on the course work doesn't do aswell.Activity Report:10 students within 90% or higher.9 students within 80% to 89%3 students within 70% to 79%1 student with 69%2 students within 30% or lower6 incomplete1 no attempt at completing any course work (drop with W)

Enhancement (Planned Actions)
Part I:
Add recorded lectures for each chapter, covering subtle changes or other details not directly or clearly discussed in the text. Recorded lectures will also have the quality of updating the student and the course content with respect to software upgrades which occur during the school year.Most of the video lectures and course material need to be reevaluated each time this course is taught. With that said some of the basic models and stand-alone projects can be reused. In a future class we may try and increase the number of hand out exercises and throw in a midterm evaluationwith the short answer online test and a quick modeling component.

Part II:

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