

Student Learning Outcomes for CDI 95A

CATIA (Beginning)

Team Members:

Team Leader:

[Louis Gary Lamit](#) (8627) in CDI

Other members:

1. [Max Gilleland](#) (x5578) CDI
2. [Kenneth Louie](#) (x) CDI

Additional team members/notes about team:

Additional Notes:

Outcomes:

Outcome 1 Phase I: Statement

Functioning as a designer using CATIA, the student will create an engineering document package which complies with industry-defined standards and shall include the following: * components modeled using CAD design tools * assemblies generated from multiple components * engineering drawings for components and assemblies

Outcome 1 Phase II: Assessment Strategy Used:

Assessment Quarter: Winter 2011

Assessors: Ken Louie

Assessment Tools: • •

Sections being assessed: 61, Z

Outcome 1 Phase III: Reflect & Enhance

Number of people involved in Phase III: 29

Changes:

n/a

Methods:

Outcome 1: Assessment Planning Assessment Strategy Used: Quarter: Winter 2011
Assessors: Louis Gary Lamit and Ken Louie
Assessment Tools: Exams • Portfolios • Logs
Sections being assessed: 61 and 63Z
Assessment Tools: * Student Assignments* Mid-Term Exam* Final Exam* Student Design & Documentation Portfolio
Methods: Catalyst Course Management System was used to issue, receive, & grade assignments throughout the quarter including: * Reading assignments covering 9 Lessons of the current text are the foundation of the course content. * 38 Projects of various size, scope, & complexity are assigned throughout the quarter. These projects include creating simple to complex parts, assemblies and drawings. * On demand lecture series for every individual Lessons and Projects incorporated into the class with Catalyst tracking of student access and viewing. * Mid-Term Exam* Final Student Documentation Portfolio is used to gather and document all course work into a visual image format, easily accessible to non-technical viewers. * Final Exam

Findings and Conclusions:

Over 74% of the students in this section completed all of the work, with about 51% excellence (completion of 90+% of all assigned course work) within the section. The general trend in the class was that the typical student would excel at the work they attempted. Work assigned early in the quarter is usually done well, leaving work assigned much later in the quarter incomplete in a few cases. Most students accomplished all requirements. Students who did not complete all the requirements did very well up to the assignments they completed but did not do all the requirements for the class because of their time constraints and inability to attend sufficient classes for personal and professional reasons. Regarding the rather high (25%) dropout rate (10 dropped and 3 withdraw): A significant percentage of drops were in the online section. Some students enroll in this class without any real commitment and understanding as to how complex & advanced the subject matter is. This comes clear the first three weeks, and there is a bit of an exodus. However, after the initial reality check, retention is good, above 90%. 27 students completed the class and received a grade. Activity Report: *14 students received a grade of 90+% (52% of class)*4 students received a grade of 80-90% (15% of class)*2 students received a grade of 70-80% (7% of class)*1 student received a grade of 60-70% (3% of class)*6 students are under -Incomplete status (22% of class)

Enhancement (Planned Actions)**Part I:**

none

Part II:

n/a

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