

DE ANZA COLLEGE - ADVANCED TECHNOLOGY CENTER
BUSINESS/COMPUTER SYSTEMS DIVISION
CAD & DIGITAL IMAGING DEPARTMENT
GREEN SHEET FOR **SUMMER 2007**

Course: **CDI-067A-61C** SolidWorks (CosmosWorks) Instructor: Mr. Paul Klingman
Call No. **1128**
Days: **MTW** Rm **AT301** Office Phone: (408) 864-8696
Time: **5:00pm – 10:00pm** E-mail (Preferred): klingmanpaul@fhda.edu

Text and Reference: **Kurowski, Engineering Analysis with COSMOSWorks Professional 2006, SDC, 2006**

Overview: ~15-hour/week lecture/lab.

Computer-Aided Finite Element Analysis using CosmosWorks Professional. Emphasis is made on various Linear FEA solutions as outlined in the main text. "Hands-On" development of different classes of studies (static, frequency, thermal, etc).

Standard Operating Procedures

Attendance: Attendance at all classes is expected. While the student's attendance record is not part of his/her grade, the workload is designed to make **full** use of the hours allocated for this class. That is to say, if a student doesn't put 15 hours of work per week on the subject matter, he/she cannot expect to finish the assigned work by the end of the quarter. Students should be aware of significant drop dates (**11Jul07, 16Jul07, 26Jul06**). **It is the student's complete responsibility to drop this class, as I will not drop anyone from the class.**

Homework: Since SolidWorks workstations are quite expensive, the "only" homework required for this class is to complete the reading in the text prior to starting work on the model. The student should do this reading **outside of class** in order to make the best use of lab time. Students should be able to complete all assigned lessons and projects during lab time, provided preparatory reading is done outside of class. Any other homework assigned will not require the use of the lab workstations.

Project Check-Off Sheet: The student's grade for this course is based upon the submittal of a Project Check-Off Sheet, due during the first hour of the Final Test Period for this section. Final Test Period for this section will meet at **5:00pm, Wednesday, 08Aug06**. I will accept early submittals of Project Check-Off Sheets. Each individual lesson/project will be graded according to the following:

1. Accuracy of Model: Is model proportionally similar to that shown in text? Are dimensions accurate?
2. Clarity of Print: No unnecessary datum planes, axes, or points shown. Hidden lines permitted.
3. Completeness of Model: Are all necessary features shown on model? Any "extra" features?

Each assignment is to be checked in a CosmosWorks session brought up in the lab. After initial grading, I will either approve your model or give you a list of items in the model to correct. The form called the Project Check-Off Sheet will be used to record the student's progress throughout the quarter.

Work Schedule: There are **6** weeks scheduled for Summer Session, and the standard class material covers 12 projects or chapters. Students should expect to complete two chapters every week in order to keep pace with this schedule. Each project will be graded and given a raw score; your grade will be an aggregate of all project scores, divided by the total number of points possible. In addition, I may assign questions and/or exercises from each chapter.

Basis for Grade:

A:	90% - 100%
B:	80% - 90%
C:	70% - 80%
D:	60% - 70%
F:	Less Than 60%

The student's score is calculated on the basis of his/her total raw score divided by the total number of possible points assigned. I am leaving some flexibility in the total amount of work assigned in order to allow for system down time.