

DE ANZA COLLEGE - ADVANCED TECHNOLOGY CENTER
BUSINESS/COMPUTER SYSTEMS DIVISION
CAD & DIGITAL IMAGING DEPARTMENT
GREEN SHEET FOR FALL 2009

Course: CDI 060D-01 SolidWorks (Beginning) Instructor: Paul Klingman
Call No. 3172 Ofc Hrs: MTWR 12:15pm – 1:05pm
Days: TR Office Phone: (408) 864-8696
Time: 8:30am – 12:15pm Rm AT301 E-mail: klingmanpaul@deanza.edu

Text and Reference: Planchard & Planchard, Engineering Design with SolidWorks 2009, SDC, 2009
(ISBN: 978-1-58503-489-5)

Overview: ~8-hour lecture/lab per week.
Fundamentals of computer-aided design/drafting using SolidWorks CAD software.
Application of operating system, software, hardware, and peripherals in creating manufacturing models. The student will create and modify a number of 3-D parametric models using SolidWorks.
Database and file management as related to CAE/CAD/CAM applications will also be covered.

Standard Operating Procedures

Attendance: Attendance at all classes is expected. While the student's attendance record is not part of his/her grade, the work load is designed to make full use of the hours allocated for this class. That is to say, if a student doesn't put 8 hours of work per week on the subject matter, he/she cannot expect to finish the assigned work by the end of the quarter. Attendance may be taken once every session. It is the student's responsibility to insure that his/her presence at class is recorded. Students should be aware of significant Academic Calendar dates (26Sep09, 03Oct09, 09Oct09, 16Oct09, 13Nov09). **It is the student's complete responsibility to drop this class, as I will not drop anyone from the class due to lack of attendance.**

Homework: The "only" homework required for this class is to complete the reading in the text prior to starting work on the computer. 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.

Student Learning Outcome: The student's grade for this course is based upon the submittal of the following: (1) a Project Check-Off Sheet, due during the first hour of the Final Test Period for this section; and (2) a combination of two "mid-term projects" and one "final project", details to be discussed & further documented in the lecture portion of the course. Final Test Period for this section is 8:30am, Tuesday, 08Dec09. **During Finals Week, there is NO Open Lab. The CAD Lab Facility will NOT be available for any purpose other than final tests.** 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 SolidWorks window brought up in the CAD Lab or in the student's Drop Box ONLY (Instructor's choice). After initial grading, I will either approve the line item 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 12 weeks scheduled for Fall Quarter (including Finals Week), and the standard class material covers 6 chapters. Students should expect to complete one chapter every 2 weeks in order to keep pace with this schedule. Each line item will be graded pass/fail; 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. I am leaving some flexibility in the total amount of work assigned in order to allow for system down time.

Basis for Grade:	A: 90% - 100%	Project Check-Off Sheet: 70%
	B: 80% - 89%	Mid-Term Projects: 20%
	C: 70% - 79%	Final Project: 10%
	D: 60% - 69%	
	F: < 60%	