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

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| Course: CDI-062D-01 | SolidWorks (Advanced) | Instructor: Paul Klingman |
| Call No. 3175 | | Ofc Hrs: MTWR 12:15pm – 1:05pm |
| Days: MW | | Office Phone: (408) 864-8696 |
| Time: 8:30am – 12:10pm | Rm AT313 | E-mail: klingmanpaul@deanza.edu |

Text and Reference: Planchard & Planchard, Assembly Modeling with SolidWorks 2008, SDC, 2008
(ISBN: 978-1-58503-467-3)

Overview: ~8-hour/week lecture/lab.
Computer-aided design using SolidWorksED. Emphasis on Top-Down Assembly methods. Application of operating system, software, hardware, and peripherals in creating manufacturing models. The student will create and modify a number of 3-D 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 workload 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 will be noted 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:** 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.

**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 will meet at 8:30am, Wednesday, 09Dec09. **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 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 12 weeks scheduled for Fall Quarter, and the standard class material covers 8 chapters. Students should expect to complete a little less than two chapters every week or so in order to keep pace with this schedule. Each check-list 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:**

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| A: 90% - 100% | Project Check-Off Sheet: | 70% |
| B: 80% - 89% | Mid-Term Exams: | 20% |
| C: 70% - 79% | Final Exam: | 10% |
| D: 60% - 69% | | |
| F: < 60% | | |