Syllabus

Introduction to Solid Edge – TEC-D 175
Credits: 4

Instructor: Peter Sanchez
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Course Description:
Solid Edge is a parametric 3D modeler for machine parts, assemblies, and consumer products; building 3D solids from constrained 2D sketches. Solid Edge is a comprehensive program that introduces the users to direct modeling with precise control of dimension-driven design through precision sketching and selection handles. Topics covered emphasize all major environments of Solid Edge in both Synchronous and Ordered modeling with a thorough explanation of all tools, options, and their applications to create real-world products.

Prerequisite:
NONE

Required Text:
Solid Edge ST8 for Designers,
Sham Tickoo

Course Requirements:

Final course grade will be based on:
Attendance and Participation	100 pts. (5 pts. for each day attended)
Graphic Exercises	300 pts. (10 pts. ea. if completed)
Student Project #1	100 pts. ("Extra Credit" accepted)
Student Project #2	200 pts. ("Extra Credit" accepted)
Total	700 pts.

Grading procedure
The final grade is calculated by dividing your total points by the total possible points. The percentage result is then multiplied by 4.00 to determine your decimal grade.

Example: **700** *total points* **possible**   **520** *points* **earned by student**

520   /   700 = .742   .742 x 4.0 = 2.97 rounded to a **3.0** *GPA*

Attendance and Participation
Because of the extensive amount of information required to complete the drawing assignments in this class, regular attendance in class will be expected.

Participation will play an essential role in getting through this class. Participation is interpreted by the student's undivided attention during the lecture, understanding of course material when called upon, interest, and enthusiasm.

Note:
  If a student is an hour or more late for class, the student is considered absent for the day.
    (Each Absent = - 5 pts.)

Graphic Exercises & Tutorials
Most assignments will be graphic in nature and will require exact precision in order to be considered complete. All drawings will be saved to the student's folder on the classroom server and upon successfully saving their drawings, all students will print each assignment on 8.5 x 11 for the instructor to review and grade. Drawing assignments are considered to be **completed** when all corrections have been satisfactorily made. Completed drawings will be awarded full point value (10 pts. ea.). Incomplete or uncorrected drawings are worth the points given.

Student Projects
All students will be required to submit the Student Projects at the end of the text, or submit a personal project. The personal project must consist of an object with multiple parts, where the object itself has at least (2) moving parts.

1) It will be printed on 11x17 format and pinned to the presentation board in SHP 114.
2) A 30 second movie of the object with it parts moving and include an exploded view within the movie.

Extra Credit:
See "Course Outline"

Classroom Policies:

Cell Phones:
Classroom use is prohibited. Either turn off completely or set mode to vibrate. Do not use cell phone during active lecture or demonstration time. Break times will be provided and phones can be used during that time period.

Ethics:
Pirating software is illegal. Please do not attempt to do so.
Downloading data from the internet is prohibited and will be reported to Olympic College and the Apprentice School Administrator.

Cheating
Cheating in any form is grounds to fail the course and will be reported to Olympic College. Actions taken will be per Olympic College Policies and Procedures.
Note: Tracing or copying others work is considered cheating!

Computer Equipment:
If repairs are needed to your computer, please notify the instructor so that the IT Department can be contacted for repair. Do not attempt to repair the computer yourself.

Additional Lab Hours:
The computer lab at the Olympic College campus is available to current students when no other class is in session. It is located in Shop 114; see Open Lab schedule in the classroom.

Resources:

American Disabilities Act Statement:
Any student who feels he/she may need an accommodations based on the impact of a disability should contact the office of Access Services at (360) 475-7540 for information or an appointment.