

ETSC 265 Solid Modeling - Final Project Presentation Guidelines:

Consider the following guidelines, or use something similar, for your Final Design Project presentations:

You may use Power Point for your introduction, conclusion and to demonstration images but use SolidWorks or a video made by yourself using SolidWorks for the bulk of your presentation.

Presentation materials: Load the instructor's computer – on the desktop - the folder of your presentation materials before the presentations start. Also, email your presentation materials by the beginning of the Final, or there will no grade on the presentation. Materials may include images, videos, the pdf of the Power Point and anything else you may want me to post on the website.

- Introduction
 - On the screen and verbally, provide your name, major and class position (senior, junior, etc...)
 - Introduction to your project: Project name and intended function (recreation of a bike, frame of a proposed car chassis, new suspension bridge model, etc...)
 - Show images of existing objects, structures, vehicles, machines, etc... that you were trying to create, recreate or reverse engineer in SolidWorks.
- Tour, provide a SolidWorks 3D overview of your assembly then describe what your project represents or what problem it is intending to solve
 - Demonstrate moving parts or machine function
 - Demonstrate various SolidWorks elements that facilitated the projects function
- Demonstrate the SolidWorks toolbar, function or application
 - Open an existing part or create a new part or sketch and show how to initiate the toolbar or SolidWorks function or application
 - Demonstrate each of the tools in the toolbar (about 2 to 5 depending on time), the steps and/or options involved and what each step or options does
 - Demonstrate how the toolbar, function or application was used in your project
- Demonstrate what you consider to be important modeling techniques that you used in your model and may include:
 - Various sketch elements and relations, unique features or options, or different assembly elements including advanced or mechanical mates or any other SolidWorks technique or function that you think are unique and potentially instructive for the class.
- Conclusion:
 - Summary, show rendered images or videos of your project, talk about how the project went, what you intend to do with the design.
- Ask for questions
- Ask for suggestions, i.e. Is there a better design? Could this have been modeled differently? How could I have model this faster or better?

I invite interaction during presentations and would encourage raising your hand to interrupt for clarification, share an experience or a potential alternative modeling technique (keep it short).

Keep your presentation to no more than 5 minutes - so practice. Time will be monitored – so look for hand signals, go over this time and there will be points off.

At the end of the presentation - close your presentation and your SolidWorks files, do not close the SolidWorks program (which takes more than a minute to restart again).

Peer Evaluation booklets will be handed out at the beginning of the presentations:

- Sign your name on the cover only
- Fill in the date, student's name and project name on each page in the book in the space provided
- These will be sorted and re-stapled and available to you in the "Box" by spring quarter