

Final Project and Abstract 05/02/2010

Abstract: As a Word document, in a single page, describe for me what you would like to present to the class as a Final Project.

As we have been discussing in class, this project provides students an opportunity to demonstrate to the class a SolidWorks toolbar, tool or function (that will not be covered in this course) in conjunction with a design project of the student's choice.

Approved toolbars and the various tools in them that may be used for your project include but are not limited to the list below:

- Weldments
- Any of the Cosmos analysis subprograms
- 3D sketching along with SolidWorks Routing (for pipes, tubes, conduits, wires, etc...)
- MoldTools
- Sheet Metal
- Configurations, Design Tables and Equations
- Surfacing
- Any other SolidWorks toolbars with approval

Criteria for the Final Project include:

- A design project with parts and assemblies presented for evaluation as printed drawings properly formatted as exercised in class this quarter.
- SolidWorks models handed in during the presentation to be evaluated on complexity, completeness and integrity.
- A presentation to the class (about 5 to 6 minutes) describing the SolidWorks toolbar and tools used to help create your project.

I may combine individuals in small groups who may have similar interests.

Specific grading criteria for the Final Project will follow in the weeks to come.

Criteria for the Final Abstract due at the end of week 6 include:

- Description of the project that you would like to design.
 - This may include a project already being worked on such as your senior project or anything else of interest. Project must be your own work and not contributed to by others unless in class and with permission.
- Description of the SolidWorks toolbar that you would like to explore and present.
- Description of how the toolbar and tools will aid in your design.

The grade for this abstract will be a maximum of 10 points depending on whether all of the items in the above paragraph have been adequately answered. This grade is applied toward the Final Project grade.

I will return feedback on your abstract at the beginning of week 8. Edits, updates and revisions will be due again at the end of week 7. You may revise your project by the end of week 8 by submitting another abstract. Updates to your project in the form of models or drawings will be due at the end of weeks 8 and 9 for additional points applied to your final grade. We will be working on the project as an in class exercise for most of weeks 9 and 10.