The purpose of this project is to allow the student to model and detail an assembly, applying the concepts learned earlier in the semester. This project will allow the student to practice creating geometry on their own and serve as a reality check relative to what you have actually learned.

Select a project that you are interested in. This can be something that you have an idea for, something that already exists that you would be interested in creating computer model of, or something that exists that you have an idea for some changes and would like to see the result of these changes.

Select a project that is robust enough to allow you to apply different concepts learned through the semester. Creating parts that are simply composed of multiple extrusions will only test your ability to create extrusions. Being an expert extrusion creator will not be of much help if you take MET 306 next semester.

The completed model must be comprised of at least three parts that can be assembled together. There can be more than three parts in the assembly.

Detail drawings will be created for only three components. The components that will be detailed will be selected by the instructor.

Milestones: (2 point reduction for each missed/late milestone)

11/1/2011 (Start of Class… proposals will be reviewed during class)  
Submit proposed project  
Note: You can submit multiple proposals if you are not sure on what would be acceptable or most beneficial.

Documentation Required:  
The project proposal will be detailed on the standard memo form. This form (Word document) is called EG_T_205_memo and is located on the V: drive in the EG_T_205 subdirectory.

Refer to an example memo for this project (example_memo_project) at the same location to see how your memo should be constructed.

Remember, you are essentially writing your own specifications!

Expand this memo to include a detailed list of part to be created and expected features used for each part and detailed list of drawings to be created, parts and views to be included
**11/15/2011**
Basic geometry (first few features) will be created for **all** parts.

Fully assembled components. Note that the parts do not need to include all detail at this time.

**Documentation Required:**
Printed screen captures showing geometry and model tree for each part.
Printed screen capture showing assembly **and** model tree

**11/29/2011**
Working drawings started. All features might not be shown as the models may be incomplete.

**Documentation Required:**
Screen captures of assembled geometry **and** model tree.
A-size print outs (Use B size title block) of (in)complete detail drawings (3).
A-size print out (Use B size title block) of (in)complete assembly drawing showing both exploded and unexploded assembly (1)

**12/13/2011  4:00 pm**
Project Due

**Documentation Required:**
Original Memo detailing specifications
Finished A size prints of detail drawings (3) and assembly drawing (1). All drawings are done using B size title blocks.