Study Guide: Final Exam, ENG 1186 – SU15

Computer storage devices will not be allowed into the exam room. Use of the Internet or Carmen is not permitted. The exam will be closed book.

The final exam will consist of five sections:

- SOLIDWORKS object creation -EXTRUDE (25%)
- SOLIDWORKS object creation -REVOLVE (20%)
- SOLIDWORKS assembly (25%)
- SOLIDWORKS drawing layout (15%)
- Dimensioning problem (15%)

Skills:
SOLIDWORKS:

- Create an object in SOLIDWORKS from a dimensioned isometric drawing.
  - Be able to plan creation of the object as a series of features.
  - Be able to use dimensioning and constraints to completely define a sketch for each feature and then extrude or revolve it.
  - Be able to fully constrain all components in an assembly drawing.*
- Be able to make a set of orthographic projections in their standard locations on a 2-D drawing sheet from your created object and add an isometric in the corner.
- Be able to make a set of orthographic projections using the proper Display Style (hidden lines shown or shaded) and to properly apply Center Marks and Centerlines.
- Be able to fill in all the OSU Title block data.
- Be able to select the correct orientation so that the most characteristic view becomes the Front View.
- Be able to insert text blocks and change the font size to make it easily readable
- Be able to print in Landscape mode using Print Preview.

Visualization:

- Know the conventional layout of a set of orthographic views.

Dimensioning

- Know and be able to apply the rules of good dimensioning.

Under Defined sketches (except for the one with your name on it) will not receive full credit. Fully Defined sketches require both geometric and dimensional constraints. Using ONLY the drawing tool to size your object will NOT produce a Fully Defined sketch.