EN1740 – Assignments 4&5

Due: Thursday, 4/26/12

The objective for this set of assignments is to review the concepts we covered around top-down design and rendering. Several files for this assignment have been placed on the supporting materials part of the course web page; please download *HW4_files.zip* prior to getting started.

Included in the archive file is an industrial design file, *shell_id.prt.* Using these surfaces as a reference, create the two parts shown in the drawing and step files: *topcap* and *shell*. Please include all part details shown in both the drawing and the step files. For dimensions not shown on the drawings, refer to the 3D geometry provided in the step file. To construct the part files, use Shared Data features as shown in the lectures to reference the external geometry and then build the 3D volumes around these.

NOTE: To open a step file, click File > Open, from the Type drop-down select STEP (.stp, .step), select the filename and click OK.

In the second part of the assignment, create a rendering of the finished parts. Set the room, textures, colors, etc. as shown in lecture. Be creative.

For submission:

- **Send the part files, the ID file you started with, the assembly that was rendered and an image file of the rendering in an archive file to en1740.brown@gmail.com.**
- **Print a hard copy of the rendering and leave this with Stephanie Gesualdi on the 7th floor.**