Semester Project Schedule & Grading  
2006

Mile stone: Date: Points:

Clay Model 2/1 5

Digitize Model 2/22 5  
Documentation:
410 Cover Sheet followed by a Word Document showing a screen capture of the points that were digitized and imported into Pro/E.

Main body Surface 3/3 10  
Documentation:
410 Cover sheet followed by a Word Document showing five images similar to those shown on page 11 of the TV Remote Generic Notes_05 document. These images are of the model tree with the shaded part, a no hidden representation (no display of tangent lines at same size and orientation), surface connections and a reflection analysis.

Discussion: Lessons learned up to this point. Problems and solutions to issues that you have encountered.

In addition, e-mail the singular Word document generated above to drf6@psu.edu

Final Surfaces, Model ready to “print” 3/22 25  
Documentation
410 Cover Sheet followed by a Word document showing:  
1) Your finished model with a slope check (page 12), front end connections (page 13), reflection and model tree with shaded and no hidden representation (page 14).  
2) The “top” surface and draft check similar to the last two images on page 4, Part II.  
3) A draft check of the top surface and button tops (10) similar to the middle image on page 3, Part III.  
4) Style curves, Style surface and Shaded curvature plot similar to all three images shown on page 6, Part III.  
5) Model tree and completed model similar to page 8, Part III.

One detail drawing (full size) showing the principle views with overall reference dimensions. Note that the instructor needs to check the clay model against the detail drawing, so make sure you bring the clay model to class!

Discussion: Additional lessons learned. Problems and solutions to issues that you have encountered.

In addition, e-mail the singular Word document generated above to drf6@psu.edu.
Z402/Clay model match
  3/31
  Note: this will probably be a monochrome model as the new color printer will not
  be operational until sometime in mid April. At this time a second model will be printed
  so you can add additional geometry and color to your model if you want.

Laser Scan documentation
  4/7  10
  See the document titled Roland LPX-250 Laser Scanner and Pro/Verify
  Word document showing:
  Final scan deviation, shaded and whiskers as specified in the assignment.

Discussion: Additional lessons learned. Problems and solutions to issues that you have
encountered.

In addition, e-mail the singular Word document generated above to drf6@psu.edu.

Tool Path Documentation
  4/19  20
This will be for PSU inscribed “paperweight”
  Required: Roughing, surface, trajectory and groove milling operations with tool
  changes.
  Documentation: Pro/E screen captures of the tool path as well as screen captures
  from VERICUT for each NC sequence (cumulative).

In addition, e-mail the singular Word document generated above to drf6@psu.edu.

Haas VMC model
  5/5  20
  Schedule a time with your instructor for this operation.

Project summary and write up
  5/5  5
  Documentation - TBA

Total  100