MET 452  
Rapid Prototyping  
Lab 1  

General Instructions for Procedures and Exercises

Copy and open the Standard_Surfacing subdirectory from the V:\MET_452 subdirectory. Open the Std_surf_htm subdirectory, and double click on book01.htm. This will open links to the procedures and exercises in Internet Explorer. Select on the appropriate link for the weeks assignment.

Important:

All images will be printed on a color printer. Images should be printed three to a page, cropped and scaled appropriately. All images should include datum planes/points/model tree/background color etc. as shown. A cover page will precede all images, which will be stapled together in the order shown. Each image will be appropriately labeled as indicated. Text in *italics* does not need to be included; these are notes to the student. Page numbers (Page x of y) are required. Make sure you save versions of each completed assignment on your P: drive.

Lab 1 Instructions.

Accomplish all Procedures and Exercises under Module 6, Boundary Blend Surfaces. Produce screen captures that document your success in performing the procedures and exercises as shown on the following pages. The watermark will not be included.
Module 6, Procedure 1
Creating Boundary Blends in One Direction

Module 6, Procedure 2
Creating Boundary Blends in Two Directions

Module 6, Procedure 3
Analyzing Blended Boundaries
Module 6, Exercise 4
Creating Surfaces
When selecting tangent edges, you may have to select them all individually.

E4, after Task 2, step 11:

E4, Finished

Module 6, Procedure 5
Analyzing Blended Surface Constraint Options
You cannot drag the handle to 1.8, you must enter the value as the Stretch value under the Constraints tab.
Module 6, Procedure 6
Analyzing Blended Surface Control Points

Module 6, Exercise 7
Adding Control Points
*Note that you are picking on the points shown on the model, not from the drop down box in the dashboard.*