

SolidWorks, IET-265  
Spring 2011, Week 7,

Name: \_\_\_\_\_

*Revolve Features Evaluation*, 45 Min

Day and date: \_\_\_\_\_

*Lofted Features, Modified Part* 20 points:

- Modify this part from your assignments from Week 7
- Add additional loft profiles to bring the total to 6 (6 points)
- ANSI dimensioning standard, define material (2 points)
- Planar symmetry, fully defined sketches (2 points)
- Material, rename your features (2 points)
- Create a drawing of this model on your A sized template for the proper units (hand in this drawing with your ECL and guide drawing) (1 point).
  - Typical layouts (3 points)
  - Title block items (2 points)
  - Dimensions (at least basic dimensions) and View Titles (2 points)
- Errors – Extras (0.5 points each)

*Loft Features, Modeling Part* 20 points:

- Model this part per the drawing provided (3 points),
- ANSI dimensioning standard, units in inches (2 points)
- Rename your features, fully defined sketches (2 points)
- Front and Top Plane symmetry (1 point)
- Material (look on drawing), color of your choice (2 points)
- Location of sketch planes (2 points)
- Correct profile sketches (2 points)
- Fillet (1 point)
- Tool cut (2 points)
- Find center of mass and include in email, (note location of origin) (3 points)
- Errors - Extras (0.5 points each)