

Weekly Design Evaluation - Week 3 – Monday 4/16/18 Name _____
Class Design Section - 20 points total

Out of Class Design Project – 10 points total. Electronic files to be sent the previous day. Hand in this checklist at the instructor's desk by 9:45am at the end of the evaluation.

- Standard ANSI, units IPS, 3 digits after decimal (1pt)
- Origin location, orientation, correct planes (1pt)
- Material (1pt)
- Fully defined sketches with dimensions, model integrity (1pt)
- Base Feature, other features... (2pts)
- Rename your features (1pt)
- Mass and Center of Mass (3pts)
- Extras and errors

In Class Design Project – 10 points total. Electronic files to be sent by 9:45am at the end of the evaluation.

- Standard ANSI, units MMGS, 3 digits after decimal (1pt)
- Origin location, orientation, correct planes (1pt)
- Material – Alloy Steel (SS) (1pt)
- Fully defined sketches with dimensions, model integrity (1pt)
- Base Plate, Guide Slot Front, Guide Slot Front Pattern, Mounting Holes, Top Tool Guide, Position Set Knob (2pts)
- Rename your features (1pt)
- Mass and Center of Mass (3pts)
- Extras and errors

Weekly Design Evaluation - Week 3 - Final Design Section - 10 points total – Electronic files to be sent the previous day.

FDP Project - 10 points total each, evaluating three parts.

- Include material (1pt)
- Units, ANSI dimensioning standard, 2 digits after decimal for MMGS, 3 units for IPS (2pts)
- Origin location, orientation, symmetry, correct planes (2pts)
- Fully defined sketches with dimensions (2pts)
- At least 5 Features or less with more complicated sketches (2pts)
- Rename your Features (1pt)
- Extras and errors