Weekly Design Evaluation – Weeks 4 & 5 – Monday 4/30/18 Name_____
Class Design Section - 20 points total

Out of Class Design Project – 10 points total. SolidWorks files to be sent by Sunday at midnight. Hand in this checklist at the instructor's desk by 9:45am at the end of the evaluation.
- Standard ANSI, unis _____, appropriate 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 – 20 points total. The Joy Stick, SolidWorks file to be sent by 9:45am at the end of the evaluation.
- Standard ANSI, units MMGS, 2 digits after decimal (1pt)
- Origin location, orientation, correct planes (1pt)
- Material – Plastic PA Type 6 (1pt)
- Fully defined sketches with dimensions, model integrity (2pts)
- Reference Geometry - Right Design Sketch, Profile Planes, Profile Sketches, Guide Curves (4pts)
- Features - Base Bottom Feature, Base Loft, Hand Loft, Finger Thumb Loft, Top Rim Sweep (4pts)
- Rename your features (1pt)
- Mass and Center of Mass (6pts)
- Extras and errors

Weekly Design Evaluation - Week 3 - Final Design Section - 30 points total – **SolidWorks files to be sent by Sunday at midnight. Extra credit for an assembly.**

 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 (1pt)
- 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)
- Descriptive part name – what is it? (and it's not your name or FDP) (1pt)
- Extras and errors