

# Term Design Project

ME170

## Design Presentation Grading Key

Names of Students on Team			

Project Deliverables		Score
1.	Product Description - including Human Centered Design approach <ul style="list-style-type: none"><li>• HCD ideation process</li><li>• How well was the product described?</li><li>• Level of innovation and creativity?</li><li>• Did they challenge themselves?</li></ul>	/5
2.	Creo Assembly Model - with animation <ul style="list-style-type: none"><li>• Clarity</li><li>• Use of color</li><li>• Exploded/unexploded states</li></ul>	/5
3.	Creo Exploded Assembly Drawing <ul style="list-style-type: none"><li>• Balloons</li><li>• Bill of Material (BOM)</li></ul>	/5
4.	Creo Assembly Drawing with Cross Sections <ul style="list-style-type: none"><li>• Parts assembled full-view</li><li>• Cross-sections through all motion or attachment shaft axes</li><li>• Scale large enough to see detail when printed</li><li>• Multiple drawing sheets as required</li></ul>	/5
5.	Creo Detail Drawings <ul style="list-style-type: none"><li>• At least one drawing fully-dimensioned with tolerances</li><li>• Good clarity, layout, scaling - no text over part views</li><li>• Good use of tolerances (ISO tolerances for moving parts)</li><li>• No overlapping arrowheads (i.e. arrows flipped correctly)</li><li>• Hidden lines shown</li><li>• Center lines on all views for all circular features</li><li>• Correct use of title block</li></ul>	/5
6.	Materials and Manufacturing <ul style="list-style-type: none"><li>• Show proposed Materials and Manufacturing methods in table/spreadsheet for all manufactured parts in parts list</li><li>• Manufacturing methods clearly considered during CAD</li></ul>	/5
<b>Total Grade</b>		<b>/30</b>

### Comments:

Note: Total presentation grade is 100 pts. 30% for preliminary presentation , 60% final presentation, and 10% based on individual contribution to the project via the CATME evaluation.