This rubric shows both what you are expected to complete for the midterm project as well as how it will be graded. Your project is due by 6/8 /11, in class. **Late projects: 50% for 6/8 after 9:40 am – 6/13, 0% afterwards.** NO EXCEPTIONS. Submit the Word and CAD files on a CD.

6 Hard Requirements (70% of total project grade):

	Score
1. Create the CAD files of the parts. Document the creation steps for each part following the book style	75
2. Create the assembly model of product. Document the creation steps and the use of the mating conditions as in (1) above. - fully constrained assembly (correct mating conditions)	75
3. Create engineering drawings - one drawing for each part - each drawing includes 4 views (front, top, right, ISO) - include dimensions, labels, and notes	75
4. Create assembly drawing - Collapsed drawing with three views (F, T, R), assembly dims, and BOM - Exploded view - Animation file	75 (25, 25, 25)
Total:	300

CAD design & content (15% of total project grade)

	Score
1. CAD Practices (good design intent, etc.) are followed and the general design and documentation (ANSI, avoid over- or under-dimensioning, etc.) make logical sense.	25
2. Modeling documentation – the steps of creating each part, and the assembly are well detailed and illustrated with screenshots.	125
3. Completeness of the work – Work is complete including all drawings, dimensions, notes, labels, tolerances, constraint equations, etc.	125
4. Engaging and interesting The CAD model is expressive and interesting; part and assembly creation are well thought out and efficient.	25
Total:	300

CAD Theory Questions (15% of total project grade)

	Score
1. Did you find it hard to create the parts? 2. Did you find it hard to use design intent for parts? 3. Did you find it hard to create mating conditions? Which ones? Why? 4. What did you learn from the project, how much time did you spend on it? Do you have any suggestions to make the project experience better? Discuss	75 pt each
Total:	300