

ME170 Class Schedule  
Fall 2017

Week #	Dates	Labs 1009 MEL EWS Lab	Lecture Topics 1320 DCL
1	Monday Aug 28 to Friday Sep 1	No labs	INTRODUCTION MechSE Design Classes - Common Design Approach PTC Creo - CAD part modeling through to Assemblies
2	Monday Sep 4 (Labor Day) to Friday Sep 8	Work on Lab #1 (Monday's sections don't meet due to Labor day holiday)	PTC Creo CAD continued Intro. to Design for Manufacture (DFM) - CAD context
3	Monday Sept 11 to Friday Sept 15	Work on Lab #2 (Lab #1 Monday sections)	2D/3D Freehand Sketching - Prof. William Bullock (ID) (Tuesday and Thursday Lectures this week)
4	Monday Sep 18 to Friday Sept 22	Work on Lab #3 (Lab#2 Monday Sections)	Design Project: Introduction, forming teams, & Ideation Case Studies - Product Design Sketching Exercises in Lab (Prof William Bullock)
5	Monday Sept 25 to Friday Sept 29	Work on Lab #4 (Lab#3 Monday Sections)	Design Project: Sketch ideas for Term Design Project CAD/DFM and Design to Cost Innovation Studio - 3D printer training
6	Monday Oct 2 to Friday Oct 6	Work on Lab #5 (Lab#4 Monday Sections)	Design Project: Refine ideas for Term Design Project Product Design Specification (PDS) and Concept Selection (Pugh matrix)
7	Monday Oct 9 to Friday Oct 13	Work on Lab #6 (Lab#5 Monday Sections)	Design Project: Develop PDS Engineering Drawings - ISO/ANSI standards Professional and Ethical responsibilities as an Engineer
8	Monday Oct 16 to Friday Oct 20	Work on Lab #7 (Lab#6 Monday Sections)	Engineering Drawings - ISO/ANSI standards Design Project: Complete Concept Selection matrix
9	Monday Oct 23 to Friday Oct 27	Work on Lab #8 (Lab#7 Monday Sections)	Engineering Drawings - ISO/ANSI standards Design Project: Start CAD modeling
10	Monday Oct 30 to Friday Nov 3	Work on Lab #9 (Lab#8 Monday Sections)	Engineering Drawings - Tolerances Design Project: CAD modeling
11	Monday Nov 6 to Friday Nov 10	Work on Lab #10 (Lab#9 Monday Sections)	Engineering Drawings - Standard Limits and Fits Design Project: CAD modeling
12	Monday Nov 13 to Friday Nov 17	Work on Design Projects (Lab#10 Monday Sections)	Engineering Drawings - Worse-case tolerancing Design Project: Develop Engineering Drawings
13	Monday Nov 20 to Friday Nov 24	THANKSGIVING WEEK	THANKSGIVING WEEK
14	Monday Nov 27 to Friday Dec 1	Design Project Prelim Presentations (Informal - in EWS lab with TA)	Design for Manufacture - aPiori cost analysis Design Project: Complete Engineering Drawings
15	Monday Dec 4 to Friday Dec 8	Design Project Final Presentations (formal - see website for room schedule)	No Tuesday/Thursday 8am lecture classes
16	Monday Dec 11 to Friday Dec 15	Work on Final Reports (Wed Dec13 - Official Last Day of Instruction) Final Project reports due Friday 5pm to TA (hardcopy)	Tuesday 8am last class - Presentations by 3 Best Teams (Thursday Dec 14th - Reading Day - no classes)
			P.S. No Final Exam - Design Project Reports instead