

**ME 481 Schedule**

**Fall 2017**

Schedule is subject to change as circumstances during the course of the semester demand.

**Bold items denote workshops or reports that MUST be turned in for credit.**

Week		Monday		Wednesday	Weekly Tasks/Milestones
1	8/21	Welcome & Introduction	8/23	Design Process Overview	<b>-Computer Lab Sign-up/Responsibilities,</b> <b>-Assumption of Risk and Release</b>
2	8/28	Project Management (WBS; GANTT charts; reviews - SRR, PDR, CDR, TRR; risk management; etc.)	8/30	Requirements Definition and Management	-Freeze teams and Schedule Weekly Meeting Times -Literature Search -Request for Proposal (RFP) posted
3	9/4	NO CLASS - Labor Day	9/6	Engineering Communication (Writing primarily, but a bit on oral as well)	-Project Statements/Functional Requirements
4	9/11	Safety Training (Moore), and Intro to Ethics	9/13	Library resources, literature survey, finding reports and patents, search strategies, engineering database	-Literature Search
5	9/18	Design Process Examples - Brain Storming - Decision Making	9/20	Solidworks lecture	<b>-Project Proposal Report</b> -Strategies -Group Check
6	9/25	System Engineering (process, documentation, configuration control, etc.)	9/27	FEA lecture	<b>-Solid Modeling Workshop</b> -Concepts
7	10/2	Ethics	10/4	FUNdaMENTALs of Design	<b>-Sales pitch and Website/Wiki</b> -Concept Selection -Modules
8	10/9	Material Selection	10/11		-MCM -Proof of Concept
9	10/16	Team Dynamics-Economics	10/18		-Analysis and Modeling -Website/Wiki and Design Notebook Checks
10	10/23		10/25		<b>-Preliminary Design Report (PDR)</b> -Group Check
11	10/30		11/1		-Bench level testing -Design Freeze -Website/Wiki and Design Notebook Checks
12	11/6		11/8		<b>-FEA Workshop</b> -Detailing and Final Material Selection
13	11/13		11/15		-Website/Wiki and Design Notebook Checks
14	11/20		11/22		-Final Report Draft -Panic --- Then finish loose ends!
15	11/27		11/29		-Revise/iterate -Website/Wiki and Design Notebook Checks
16	12/4		12/6		<b>-Comprehensive Design Report (CDR)</b> <b>-Design Notebooks</b> -Peer Evaluations