<table>
<thead>
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<th>Week #</th>
<th>Dates</th>
<th>Labs</th>
<th>Lecture Topics</th>
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| 1      | Monday Aug 22    | 1009 MEL EWS Lab               | INTRODUCTION
MechSE Design Classes - Common Design Approach
PTC Creo - CAD part modeling through to Assemblies |
|        | to Monday Aug 26 |                                | INTRODUCTION
MechSE Design Classes - Common Design Approach
PTC Creo - CAD part modeling through to Assemblies |
| 2      | Monday Aug 29    | Work on Lab #1                 | PTC Creo CAD continued
Intro. to Design for Manufacture (DFM) - CAD context |
|        | to Friday Sep 2  |                                | PTC Creo CAD continued
Intro. to Design for Manufacture (DFM) - CAD context |
| 3      | Monday Sept 5    | Work on Lab #2                 | 2D/3D Freehand Sketching - Prof. William Bullock (1D) (Tuesday and Thursday Lectures this week) |
|        | to Friday Sept 11| (Labor day pushes over to next week Monday’s sections) | 2D/3D Freehand Sketching - Prof. William Bullock (1D) (Tuesday and Thursday Lectures this week) |
| 4      | Monday Sept 12   | 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) |
|        | to Friday Sept 16|                                | Design Project: Introduction, forming teams, & Ideation
Case Studies - Product Design
Sketching Exercises in Lab (Prof William Bullock) |
| 5      | Monday Sept 19   | 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 |
|        | to Friday Sept 23|                                | Design Project: Sketch ideas for Term Design Project
CAD/DFM and Design to Cost
Innovation Studio - 3D printer training |
| 6      | Monday Sept 26   | 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) |
|        | to Friday Sept 30|                                | Design Project: Refine ideas for Term Design Project
Product Design Specification (PDS) and Concept Selection (Pugh matrix) |
| 7      | Monday Oct 3     | Work on Lab #6 (Lab#5 Monday Sections) | Design Project: Develop PDS
Engineering Drawings - ISO/ANSI standards
Professional and Ethical responsibilities as an Engineer |
|        | to Friday Oct 7  |                                | Design Project: Develop PDS
Engineering Drawings - ISO/ANSI standards
Professional and Ethical responsibilities as an Engineer |
| 8      | Monday Oct 10    | Work on Lab #7 (Lab#6 Monday Sections) | Engineering Drawings - ISO/ANSI standards
Design Project: Complete Concept Selection matrix |
|        | to Friday Oct 14 |                                | Engineering Drawings - ISO/ANSI standards
Design Project: Complete Concept Selection matrix |
| 9      | Monday Oct 17    | Work on Lab #8 (Lab#7 Monday Sections) | Engineering Drawings - ISO/ANSI standards
Design Project: Start CAD modeling |
|        | to Friday Oct 21 |                                | Engineering Drawings - ISO/ANSI standards
Design Project: Start CAD modeling |
| 10     | Monday Oct 24    | Work on Lab #9 (Lab#8 Monday Sections) | Engineering Drawings - Tolerances
Design Project: CAD modeling |
|        | to Friday Oct 28 |                                | Engineering Drawings - Tolerances
Design Project: CAD modeling |
| 11     | Monday Oct 31    | Work on Lab #10 (Lab#9 Monday Sections) | Engineering Drawings - Standard Limits and Fits
Design Project: CAD modeling |
|        | to Friday Nov 4  |                                | Engineering Drawings - Standard Limits and Fits
Design Project: CAD modeling |
| 12     | Monday Nov 7     | Work on Design Projects (Lab#10 Monday Sections) | Engineering Drawings - Worse-case tolerancing
Design Project: Develop Engineering Drawings |
|        | to Friday Nov 11 |                                | Engineering Drawings - Worse-case tolerancing
Design Project: Develop Engineering Drawings |
| 13     | Monday Nov 14    | Design Project Prelim Presentations | Design for Manufacture - aPriori cost analysis
Design Project: Complete Engineering Drawings |
|        | to Friday Nov 18 |                                | Design for Manufacture - aPriori cost analysis
Design Project: Complete Engineering Drawings |
| 14     | Monday Nov 21    | THANKSGIVING WEEK               | THANKSGIVING WEEK |
|        | to Friday Nov 25 |                                | THANKSGIVING WEEK |
| 15     | Monday Nov 28    | Design Project Final Presentations | No Tuesday/Thursday 8am lecture classes
Design Project Final Presentations |
|        | to Friday Dec 2  |                                | No Tuesday/Thursday 8am lecture classes
Design Project Final Presentations |
| 16     | Monday Dec 5     | Work on Final Reports (Wednesday Dec 7th - Last Day of Classes) | Tuesday 8am lecture class - Presentations by 3 Best Teams
Final Project reports due Friday 5pm to TA (hardcopy) |
|        | to Friday Dec 9  | Weekly Final Reports (Wednesday Dec 7th - Last Day of Classes) | Tuesday 8am lecture class - Presentations by 3 Best Teams
Final Project reports due Friday 5pm to TA (hardcopy) |

P.S. No Final Exam - Design Project Reports instead