

# ME 172

## LECTURE SCHEDULE

**Note: Lectures are in 214 CTB**

**Winter 2012**

**Tuesday & Thursday 9:00 – 9:50 AM**

Week of	Topics/Events	Readings	Handouts
<b>2 Jan</b>	Th – Introduction to Engineering Graphics	Chapter 1 RB (your reference book) Siemens NX Website	Syllabus; Lecture Schedule; Lab Schedule; HW_0; HW_1;
<b>9 Jan</b>	T – CAD Certification Basics of CAD	RB Sketching and Visualization Chapters NX Docs	
	Th – Visualization; The Design Process	RB Multiview Project Chapter	HW_2;
<b>16 Jan</b>	T – Basic Expressions/Constraints; Wireframe Basics;	RB Dimensioning Chapter	
	Th – Engineering Drawings I;		HW_3; Do's and Don'ts
<b>23 Jan</b>	T – Engineering Drawings II;	RB Solid Modeling Chapter	
	Th – Basic Solids;		HW_4;
<b>30 Jan</b>	T – Engineering Drawings III;		
	Th – Advanced Solid Modeling I		HW_5;
<b>6 Feb</b>	T – Advanced Solid Modeling II	RB Section/Auxiliary View Chapters	
	Th – Section Views Auxiliary Views		HW_6; L_1i; L_1g;
<b>13 Feb</b>	T – Standard Tolerancing	RB Tolerancing Chapter	
	Th – Surface Modeling Basic Hole Fits Review for Written Exam		HW_7; HW_8;
<b>20 Feb</b>	T – Monday Schedule, i.e. Section 1 Lab 8-9:50 AM Section 2 Lab 10-11:50 AM		L_2i; L_2g
	Th – <b>Midterm Written Exam</b>		
<b>27 Feb</b>	T – Bottom Up Assembly Modeling	RB Assembly Modeling Chapter	
	Th – Assembly Drawings		

<b>5 Mar</b>	T –	Parametric Assembly Skeletons		
	Th –	Top Down Assembly Modeling	RB GD&T Chapter	HW_9; L_3i;
<b>12 Mar</b>	T –	GD&T I – Introduction		
	Th –	GD&T II – Form		HW_10;
<b>19 Mar</b>	T –	GD&T III – Orientation		
	Th –	GD&T IV – Location		HW_11; L_4i; L_4g
<b>26 Mar</b>	T –	GD&T V – Profile & Runout		
	Th –	GT&T VI – Reading and Writing		HW_12;
<b>2 Apr</b>	T –	How to Submit Your Final Lab		
	Th –	Other CAx Classes		
<b>9 Apr</b>	T –	Final Exam Review		
	W –	<b>L_4i; L_4g Due at 4:45PM in the ME Office</b>		
	16 Apr M –	<b>7:00 – 10:00 AM Final Exam – Section 2</b>		
	17 Apr T –	<b>11:00 – 2:00 PM Final Exam – Section 1</b>		