


Solid Modeling 265 Winter 2013

<http://e-d-and-i.com/Classes/2013-1-IET-265/>

Version 8			Day	Lecture, Video and Assignment Topics	Chapters and exercises to read ahead and practice	Design Assignments (evaluated the first class day of the following week unless otherwise noted)
1	1	Jan	R 3	<u>Introduction</u> , Books, Website	ED Introduction, Project 1 <i>Plate</i> through 1-67	Part Template Files, ED Project 1 Start <i>Plate</i> through 1-67, SG Lesson 2 the <i>Box</i>
2	2		M 7	Sarrus presentation, SW terminology, part template files	ED Project 1 <i>Plate</i> , <i>Rod</i> and <i>Guide</i>	ED Project 1 <i>Plate</i> , Ex 1.1i, 1.2c (Section videos), Ex 1.12, 1.15
	3		T 8	<u>Parts</u> , Sketch, Extrude, Chamfer, Feature Fillet, Shell, Chamfer	SG Introduction, Lessons 1&2	SG VD Outlet Cover, add extra details for extra credit
	4		R 10	Hole Wizard		VD <i>Junction Box</i> videos, Section videos
3	5		M 14	Modifications, Extrude Cut flip side, Cosmetic Thread, Rib, Draft	ED Finish Project 1	ED Project 1 <i>Rod</i> (with cosmetic threads), <i>Guide</i> , Ex 1.17
	6		T 15	Mirror, Convert Sketch Entities, Slot, Dynamic Mirror, Linear Pattern	SW Getting Started, Lesson 1: Parts	VD <i>Cosmetic Thread</i> , <i>Meter Base</i> and <i>Meter Cap</i> , <i>SW Tutor1</i>
	7		R 17			Design your <i>Assem Model</i> part, see website for details
4	8		M 21	MLK Day, No Class	ED Project 2, skip Simulation	ED Project 2, <i>Guide-Rod</i> Assembly, Ex 2.1, 2.8
	9		T 22	<u>Assemblies</u> , assembly template files, Mates, Degrees of Freedom,	SW Getting Started, Lesson 2: Assemblies	VD Configurations, Design Tables and Equations, <i>SW Tutor2</i>
	10		R 24	Configurations, Design Tables		Design the rest of your <i>Assem Model</i> parts and start assembly
5	11		M 28	Explode Configuration	SG Lesson 4 start pg 54 (skip Lesson 3)	ED 2.5, 2.6
	12		T 29	Revolve Feature, Smart Mates	SG Lesson 5 <i>Tool Box</i>	SG Lesson 4, Mechanical Claw, Lesson 5, <i>Bearing Block</i> Assem w/Tool Box
	13		R 31		VD Sarrus Assembly and Tool Box, Mate videos	<i>Assem Model</i> assembly with mates, w/Toolbox items, Exploded View
6	14	Feb	M 4	<u>Drawings</u> drawing templates, Drawing Views, Edit Sheet Format, Design Logo	ED Project 3	ED Project 3, Drawing Template file,
	15		T 5	Adding Dimensions, Cleaning up Dimensions, Exploded View, BOM		ED <i>Assem Model</i> part and assembly drawing per Project 3, print and hand in
	16		R 7			<i>Assembly Model</i> Motion Study
7	17		M 11	<i>Final Project</i> class discussion	ED Project 4, skip Mold Tools	FP-Abstract
	18		T 12	Exam 1, 20 question exam, project with partial assembly	SG Lesson 9	ED Project 4, Ex 4.4, 4.9, skip Mold Tools
	19		R 14	Revolved Features, Sweep, Sweep Cut, Dome		Design 3 revolved and/or sweep feature parts, see SG Lesson 9
8	20		M 18	President's Day, No Class	ED Project 5	ED Project 5, Ex 5.7, SG Lesson 10 Assignments
	21		T 19	Threaded Fasteners Project, Photo View 360, Lofts	SG Lesson 10	Threaded Fasteners Project
	22		R 21	Spur Gear Design Assignment		Spur Gear Design Assignment
9	23		M 25	GD&T drawings		GD&T assignments and drawings
	24		T 26	GD&T drawings		
	25		R 28	Work on <i>Final Project</i> , YSWUG meeting extra credit		<i>Final Project</i> review with GD&T drawings
10	26	Mar	M 4	<i>Final Project</i> Pre-presentations		FP-Pre-presentations
	27		T 5	Exam 2, The CSWA Exam, meet at 2pm (3 hour exam)		
	28		R 7			
Final		Mar	Weds 13	Final Project Presentations, 2 - 4pm		<i>Final Project</i> Presentations, Models and Drawings due

 = recent changes

Schedule may change without notice
check this often for the latest updates

SG= Student's Guide to Learning SolidWorks Software
 ED= Engineering Design Using SolidWorks 2012 VD= Online Video
 SW= SolidWorks tutorial FP= Final Project
 UG=Ultimate GD&T Pocket Guide