


Solid Modeling IET 265, Spring 2013

<http://edi3di.com/Classes/2013-2-IET-265/>

Version 4			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	March	W 27	<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> VD <i>Junction Box</i> videos
2	2	April	M 1	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 1.1b, 1.2d, Ex 1.14, 1.16.
	3		W 3	<u>Threaded Fasteners Project</u> , <u>Photo View 360</u> , <u>Lofts</u>	SG Introduction, Lessons 1&2	SG-VD <i>Switch Plate</i> , add extra details for extra credit, VD Section videos
3	4		M 8	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 with mass.
	5		W 10	Mirror, Convert Sketch Entities, Slot, Dynamic Mirror, Linear Pattern	SW Getting Started, Introduction to SolidWorks	VD <i>Cosmetic Thread</i> , SW <i>Pressure Plate-Vessel</i> , Start <i>Assem Model</i> parts
4	6		M 15	<u>Assemblies</u> , assembly template files, Mates, Degrees of Freedom,	ED Project 2, skip Simulation	ED Project 2, <i>Guide-Rod</i> Assembly, Ex 2.2, 2.8. SW Tutor 1, 2. VD Configurations,...
	7		W 17	Configurations, Design Tables	SW Getting Started, Lessons 1&2: Assemblies	SG Lesson 4, Mechanical Claw. Finish <i>Assem Model</i> parts, start assembly
5	8		M 22	Explode Configuration	SG (skip Lesson 3) Lesson 4 start pg 54. Lesson 5	ED 2.5, 2.6. SG Lesson 5, <i>Bearing Block Assem w/Toolbox</i>
	9		W 24	Revolve Feature, Smart Mates	<i>Tool Box</i> , VD <i>Sarrus Assem</i> , <i>Tool Box</i> , <i>Mates</i>	<i>Assem Model</i> assembly with mates, w/Toolbox items, Exploded View
6	10		M 29	Exam 1, 20 question exam, project with model		ED Project 3, Drawing Template file,
	11	May	W 1	<u>Drawings</u> , templates, Views, Sheet Format, Logo, add Dims, Explode, BOM	ED Project 3	ED <i>Assem Model</i> part and assembly drawing per Project 3, print and hand in
7	12		M 6	Final Project class discussion,	ED Project 4, skip Mold Tools	FP-Abstract. ED Project 4, Ex 4.3, 4.5, 4.7. VD <i>Door</i> design and contest.
	13		W 8		SG Lesson 9	Design 2 revolved and/or sweep feature parts, see SG Lesson 9
			R 9	YSWUG Meeting, extra credit		
8	14		M 13	Threaded Fasteners Project, Photo View 360, Lofts	ED Project 5	ED Project 5, Ex 5.7, SG Lesson 10 Assignments
	15		W 15	Spur Gear Design Assignment	SG Lesson 10	<i>Threaded Fasteners</i> Project. <i>Spur Gear Design</i> Assignment.
9	16		M 20	GD&T drawings	UG review this book	GD&T assignments and drawings
	17		W 22	GD&T drawings, work on Final Project		
10	18		M 27	Memorial Day, no class, Work on Final Project this week		Work on Final Project
	19		W 29	Exam 2, CSWA Exam		
Final	June		Weds 5	Final Project Presentations, 4 - 6pm		

 = 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

SW= SolidWorks tutorial

UG=Ultimate GD&T Pocket Guide

VD= Online Video

FP= Final Project