


Solid Modeling 265 Spring 2012

<http://e-d-and-i.com/Classes/IET-265-S2012/>

Version 6

Version 6			Day	Lecture and Assignment Topics	Chapters to read ahead and practice	Design Assignments (evaluated the first class day of the following week unless otherwise noted)
1	1	Mar	W-R 28,29	<u>Introduction</u> , Website, Presentation, Intro to books and SW terminology templates	ED Introduction, Project 1 (Plate) through 1-67 SG Introduction, Lessons 1&2,	ED Project 1, Ex 1.1d, 1.2e SG tasks Lesson 2 the Box
2	2	April	M-T 2,3 W-R 4,5	<u>Parts</u> , Sketch, Extrude, Chamfer, Fillet, Shell	ED Introduction, Project 1 SW Tutorial-Getting Started-Intro to SolidWorks	ED Project 1 Plate, Ex 1.14, 1.16, 1.18, Video on the <i>Junction Box</i> SG <i>Switch Plate</i> , task 2 page 40 <i>Door (with extra credit)</i> , SW <i>Pressure Plate</i>
3	4		M-T 9,10 W-R 11,12	<i>Photoview 360</i> , Convert Entities, Slot, Dynamic Mirror, Linear Pattern Configurations, Design Tables	ED Project 1, 1-68 through 1-103	SW Pressure Plate with modifications [] Photo real image of your <i>Door</i> Design your <i>Assem Model</i> parts, ED Guide Rod Assembly
4	6		M-T 16,17 W-R 18,19	<u>Assemblies</u> , Assembly Template, Mates, Degrees of Freedom, Explode Configuration, Revolve Feature, Smart Mates	SG Lesson 4 start pg 54 (skip Lesson 3) ED Project 2, skip Simulation	SG Mechanical Claw, SW Pressure Plate assem, Ex 2.15 U-Block Assembly, VD Bar with config and Design Tables, Assem Model Assem
5	8		M-T 23,24 W-R 25,26	<u>Drawings</u> Drawing Templates, Drawing Views, Edit Sheet Format, Design Logo Adding Dimensions, Cleaning up Dimensions, Exploded View, BOM	SG Lessons 5 <i>Tool Box</i> ED Project 3	Project 3, <i>Assem Model</i> drawing per Project 3, SG Lesson 5 <i>Assem Model w/Toolbox</i> , Motion Study, Exploded View
6	10	May	M-T 30,1 W-R 2,3	Exam 1, 20 question exam, project with partial assembly Revolved Features, Sweep, Sweep Cut, Dome	ED Project 4 SG Lesson 9	Exam, SG Lesson 9 Assign., ED Project 4, Ex 4.7, 4.10, Model Drawings, FP-Abstract
7	12		M-T 7,8 W-R 9,10	Threaded Fasteners Project	SG Lesson 10 ED Project 5	Threaded Fastener assignment, SG Lesson 10 Assignments, Motion Study extra credit
8	14		M-T 14,15 W-R 16,17	Spur Gear Design Assignment YASWUG meeting at CWU, Thurs the 17th, 6pm, student tours		Spur Gear Design assignment (due Week 9), ED Project 5, E5.7 dinner, competition and prizes (Wednesday's class on Thursday)
9	16		M-T 21,22 W-R 23,24	GD&T drawings <i>Final Project</i> Pre-presentations		GD&T drawings, <i>Pressure Plate</i> Modified, Assembly Model part of your choosing (Fri)
10	18		M-T 28,29 W-R 30,31	Work on Final Project (no class on Monday) Exam 2, Tues and Weds, 20 question exam, project with assembly		
10.5	June		S 2	CSWA Exam, Sat 10am in CAD Lab (proposed)		
Final	June		Weds 6	Final Project Presentations, 4 - 8pm (combined classes)		<i>Final Project</i> Presentations and Drawings

 = 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 2010

SW= SolidWorks tutorial

VD= Online Video