


**Solid Modeling ETSC 265, Spring 2018** - Meets at 8 am - 10am, Monday, Wednesday and Friday in HT120 - Updated Saturday 5/30/18

<http://edi3di.com/Instruction/2018-2-ETSC-265/>

Week	cls #	Day	In Class Lecture Topics (underlined), Video Lecture Topics (not underlined)
1	1 Mar	W 28	<u>Introduction Slideshow</u> - Two Minute Part, Alternative IPS & MMGS Part Template Files, User Interface Tour, Sketching Constraints, Extruded Boss/Base, Class Procedures, Evaluate Tab, Mass Properties, Extruded Boss/Base Draft, Symmetric Elements: Sketch Mirror, Mirror Feature, Design Intent
	2	F 30	
2	3 Apr	M 2	<b>WDE - Week 1 - with FDP Proposal</b> - Trim and Extend Entities, Midpoint Sketch Relation, Dangling Dimensions & Relations, Midpoint & Tangent Relations, WDE follow up - Grade Sheet, Redo Procedures, Leader Options: Minimum - Center - Maximum, User Interface: Command-Manager, Heads-Up Toolbar, WDE redos due - Task Pane, Thin Feature, Up To Surface - Vertex, Contour Select - Convert Entities, Midpoint Line, Arcs, Angle Dimension, Hole Wizard,
	4	W 4	
	5	F 6	
3	6	M 9	<b>WDE - Week 2</b> - Linear and Circular Sketch Patterns, Linear Feature Pattern, Circular Feature Pattern, Combine Bodies Feature WDE follow up - Circular Feature Pattern: Quick Tour - Options & Errors, How To Fully Define a Sketch with a Linear Sketch Pattern WDE redos due - Sarrus Wheel: Ellipse - Straight Slot - Center Point Slot - Circular Feature Pattern,
	7	W 11	
	8	F 13	
4	9	M 16	<b>WDE - Week 3</b> - Hammer Head and Handle: Lofted Boss/Base & Lofted Cut: Profile Sketches - Guide Curves, WDE follow up - Model a Fender, or Similar Form: Swept Boss/Base and Loft Features, WDE redos due - Part Configurations: Sarrus Hinge Plate – Part with in a Part - suppress - unsuppress features
	10	W 18	
	11	F 20	
5	12	M 23	<b>WDE - Week 4</b> More on lofts and sweeps, Design Tables, Design Tables – Automate Configurations, in-class FDP help in class FDP help, Presentation from Paul Parise - 8am and 5pm HT-226
	13	W 25	
	14	F 27	No Class - videos include: FEA - Free Surface Flow - Flow Simulation,
6	15	M 30	<b>WDE - Week 4 &amp; 5 - Assemblies</b> - Creating an Assembly – The Hammer - Mating the Handle and Head, best practices and tips - tricks and traps, Assem Mates WDE follow up - Assembly with moving parts, degrees of freedom (6 of them), inserting a multi configuration part, Tool Box (Fasteners)"Pack and Go" zip files WDE redos due - Lofted Shapes - Hulls, Wings & Fuselage, Fan or Turbine or Similar Form, Rib Feature, Sketch "Text" - Embossed or Debossed feature,
	16	W 2	
	17	F 4	
7	18	M 7	<b>WDE Week 6</b> - Revolved Image Project - Smart Dimension Dialog Box, Definition, Logo - using MS Word "Word Art" WDE follow up - Convert a Part with Bends into a Sheet Metal Part - Flat Pattern, WDE redos due - Spur Gear Design Project, FDP Follow up, SolidWorks World 2018 "Shop Floor,
	19	W 9	
	20	F 11	
8	21	M 14	<b>WDE - Week 7 - Technical Communications: Drawings</b> , Image Contest Ballot, Drawing - Inserting Part, Layers, Dimensions, View Layouts, View Titles, WDE follow up - Annotations: Center Marks, Centerlines, drawing clean up, WDE redos due - Guest Speaker - Stan Dudley, FDP Toolbar presentation suggestions,
	22	W 16	
	23	F 18	
9	24	M 21	<b>WDE - Week 8</b> - Drawing template file and title block Drawing & FDP review, Week 9 videos: GD&T, Exploded Configuration Assem Drawing, Explode Line Sketch, Bill of Materials, Balloons WDE drawing redos due - GD&T, Dim Strategies, Geometric Dimensioning & Tolerancing, Symbols, 2D and 3D Tolerancing, Datums - Feature Control Frames
	25	W 23	
	26	F 25	
10	27	M 28	<b>Memorial Day - No Class</b> CSWA Sample Exam - work on FDP and drawings
	28	W 30	
	28	F 1	<b>WDE - week 9</b> - FDP preliminary drawings printed and due before 10am - NO LATE WORK - marked up drawings handed back in the box by Sunday
11	29	M 4	<b>CSWA Exam, Monday 10am - 1pm</b>
Final	30	T 5	<b>8am to 10am - FDP Presentations - Final Design Project Drawings and Models are due at the beginning of class</b>

 = recent changes

 = no class

 = trade show or conference

**Schedule may change without notice**

check back often for the latest updates, compare date version at top