



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 130 FALL 2018

www.ddgt.net

707-256-7526

WEEK	DAY	TECHNICAL GRAPHICS COMMUNICATION COURSEWARE	ASCENT COURSEWARE	ASSIGNMENTS
1	8/13	Syllabus and Course overview Computer Login Setup of Mapped Network Drives Fusion 360 Setup		
	8/15		ASCENT Ch1 Introduction to Autodesk Fusion 360	Lab Together: Practice 1A
			ASCENT Ch2 Creating the First Feature with Quick Shapes	Lab Together: Practice 2A Lab Together: Practice 2B
2	8/20	Project 1 Assignment Description	ASCENT Ch3 Creating Sketched Geometry	Assigned: Practice 3A Assigned: Practice 3B Assigned: Practice 3C (Create all four shapes in one file)
	8/22		ASCENT Ch4 Additional Sketching Tools	Assigned: Practice 4A Assigned: Practice 4B Assigned: Practice 4C Assigned: Practice 4D Assigned: Practice 4E Assigned: Practice 4F
3	8/27	Unit 1A From CAD to CAM Unit 1B Case Study (Assignment Overview)	ASCENT Ch5 Sketched Secondary Features	Assigned: Practice 5A Assigned: Practice 5B Assigned: Practice 5C

	8/29	Quiz Unit 1	ASCENT Ch6 Pick and Place Features	Assigned: Practice 6A Assigned: Practice 6B Assigned: Practice 6C Assigned: Practice 6D
4	9/3	HOLIDAY - LABOR DAY		
	9/5	Review of 3D Printing Class Presentation Research Assignment	ASCENT Ch7 Construction Features	Assigned: Practice 7A Assigned: Practice 7B
		Demonstrate Dimension SST 768 printing software and GrabCad printing software		
5	9/10	Unit 2 - Intro to 3D Printing	ASCENT Ch8 Equations and Parameters	Assigned: Practice 8A Assigned: Practice 8B
	9/12	Quiz Unit 2	ASCENT Ch9 Additional Features and Operations	Assigned: Practice 9A Assigned: Practice 9B
6	9/17	Unit 3 - 3D Printing Technologies		
		Project 2 Assignment Description		
	9/19	QUIZ Unit 3 (Open Notes) Flammable, Acetone... XTC3 Epoxy and Paint	ASCENT Ch10 Design and Display Manipulation	Assigned: Practice 10A Assigned: Practice 10B Assigned: Practice 10C
7	9/24	Unit 4A - What is a Mesh Unit 4B - Making by Sharing	ASCENT Ch11 Single Path Sweeps	Assigned: Practice 11A Assigned: Practice 11B
	9/26	QUIZ Unit 4	ASCENT Ch12 Loft Features	Assigned: Practice 12A Assigned: Practice 12B Assigned: Practice 12C
8	10/1	Unit 5A - Gear Systems Unit 5B - Case Study	ASCENT Ch13 Feature Duplication Tools	Assigned: Practice 13A Assigned: Practice 13B (For Practice 13B, only do the rectangular and circular patterns. Do not do the Pattern on Path - it will not work.)

	10/3	QUIZ Unit 5		
9	10/8	Unit 6 - Nesting	ASCENT Ch14 Distributed Design	Assigned: Practice 14A
	10/10	QUIZ Unit 6	ASCENT Ch15 Component Design Tools	Assigned: Practice 15A
10	10/15	Unit 7 - Future of Fabrication	ASCENT Ch16 Multi-Body Design	Assigned: Practice 16A (Skip Task 8 - Nuts, Washers, Thread) Assigned: Practice 16B
	10/17	QUIZ Unit 7	ASCENT Ch17 Sculpting Geometry	Assigned: Practice 17A (Skip Task 5 - Plane, Quadball) Assigned: Practice 17B
11	10/22	Unit 8 - 4D Printing		
		Student 15 Classroom Presentation		
	10/24	QUIZ Unit 8	ASCENT Ch18 Editing Sculpted Geometry	Assigned: Practice 18A Assigned: Practice 18B
		Student 14 Classroom Presentation		Assigned: Practice 18C Assigned: Practice 18D
12	10/29	Project 3 Assignment Description	ASCENT Ch19 Drawing Basics	Assigned: Practice 19A Assigned: Practice 19B
		Student 13 Classroom Presentation		Assigned: Practice 19C
	10/31	LAB DAY		
13	11/5	Unit 9 - Parametric Design	ASCENT Ch20 Detailing Drawings	Assigned: Practice 20A Assigned: Practice 20B
		Student 12 Classroom Presentation		
	11/7	QUIZ Unit 9	ASCENT Appendix A: Outputting for 3D Printing	
		Student 11 Classroom Presentation	Bonus Lecture - Rendering	
14	11/12	HOLIDAY - VETERANS DAY		
	11/14	Student 10 Classroom Presentation		
		Student 9 Classroom Presentation		
		LAB DAY		
15	11/19	Student 8 Classroom Presentation		
		Student 7 Classroom Presentation		
		LAB DAY		

	11/21	Student 6 Classroom Presentation Student 5 Classroom Presentation LAB DAY
16	11/26	Student 4 Classroom Presentation Student 3 Classroom Presentation LAB DAY
	11/28	Student 2 Classroom Presentation Student 1 Classroom Presentation LAB DAY
17	12/3	ASCENT OPEN BOOK TEST
	12/5	Autodesk Certificate Review For Final
18	12/10	FINAL - Time will be confirmed
	12/10	6pm is the deadline for all assignment submissions. Time will be confirmed.

The instructor reserves the right to change the schedule as the instructor sees fit.

Revised 8/5/2018 GJS v1.0

**** Note:** *This will be supplied as a video lecture to be accessed under "DDGT110" on the DDGT.net website.*