



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 130 SPRING 2024

www.ddgt.net

707-256-7526

WEEK	DAY	TECHNICAL GRAPHICS COMMUNICATION COURSEWARE	ASCENT COURSEWARE	ASSIGNMENTS
1	1/17	- Introduction to Hy-Flex - Syllabus and Course overview - Kitchen Safety - Local Skills Certificate of Achievement Mechanical Drafting and Design - Computer Login - Fusion 360 Setup - Fusion Exercises - Share Project with Instructor / DDGT Technician		Assigned: Signed Syllabus Assigned: Signed Kitchen Safety Guide
2	1/22		ASCENT Ch1 Introduction to Autodesk Fusion 360 ASCENT Ch2 Creating the First Feature with Quick Shapes	Lab Together: Practice 1A
	1/24	3D Project Assignment Description	ASCENT Ch2 Creating the First Feature with Quick Shapes ASCENT Ch3 Creating Sketched Geometry	Lab Together: Practice 2A Lab Together: Practice 2B
3	1/29		ASCENT Ch3 Creating Sketched Geometry	Assigned: Practice 3A Assigned: Practice 3B Assigned: Practice 3C (Create all four shapes in one file)

QUIZ UNIT 1 (CANVAS) DUE 2/7

4	2/5		ASCENT Ch4 Additional Sketching Tools	Assigned: Practice 4A Assigned: Practice 4B Assigned: Practice 4C Assigned: Practice 4D Assigned: Practice 4E Assigned: Practice 4F
	2/7	Review of 3D Printing Class Presentation Research Assignment Demonstrate GrabCad printing software	ASCENT Ch5 Sketched Secondary Features ASCENT Ch6 Pick and Place Features	Assigned: Practice 5A Assigned: Practice 5B Assigned: Practice 5C
5	2/12	Unit 2 - Intro to 3D Printing	ASCENT Ch6 Pick and Place Features	Assigned: Practice 6A Assigned: Practice 6B Assigned: Practice 6C Assigned: Practice 6D
	2/14		ASCENT Ch7 Construction Features	Assigned: Practice 7A Assigned: Practice 7B
6	2/19	HOLIDAY - PRESIDENT'S DAY		
	2/21	Unit 3 - 3D Printing Technologies		
7	2/26	Unit 3 - 3D Printing Technologies Flammable, Acetone... XTC3 Epoxy and Paint	ASCENT Ch8 Equations and Parameters	Assigned: Practice 8A Assigned: Practice 8B
	2/28	Unit 4A - What is a Mesh Unit 4B - Making by Sharing		QUIZ UNIT 4 (CANVAS) DUE 3/6

8	3/4		ASCENT Ch9 Additional Features and Operations	March Monthly Meeting DUE 4/2 Assigned: Practice 9A Assigned: Practice 9B
			ASCENT Ch10 Design and Display Manipulation	Assigned: Practice 10A Assigned: Practice 10B Assigned: Practice 10C
	3/6	Unit 5A - Gear Systems Unit 5B - Case Study	ASCENT Ch11 Single Path Sweeps	Assigned: Practice 11A Assigned: Practice 11B QUIZ UNIT 5 (CANVAS) DUE 3/13
9	3/11		ASCENT Ch12 Loft Features	Assigned: Practice 12A Assigned: Practice 12B
			ASCENT Ch13 Feature Duplication Tools	Assigned: Practice 12C
	3/13	Unit 6 - Nesting	ASCENT Ch13 Feature Duplication Tools	Assigned: Practice 13A Assigned: Practice 13B QUIZ UNIT 6 (CANVAS) DUE 3/20
10	3/18		ASCENT Ch14 Distributed Design ASCENT Ch15 Component Design Tools	Assigned: Practice 14A Assigned: Practice 15A
	3/20	Unit 7 - Future of Fabrication		QUIZ UNIT 7 (CANVAS) DUE 4/8
11	3/25	SPRING BREAK 3/25 - 3/30		
	3/27	SPRING BREAK 3/25 - 3/30		
12	4/1		ASCENT Ch16 Multi-Body Design	April Monthly Meeting DUE 4/30 Assigned: Practice 16A (Skip Task 8 - Nuts, Washers, Thread) Assigned: Practice 16B
	4/3	NO CLASS - CLASS CANCELED		
13	4/8	Student 19 Classroom Presentation Unit 8 - 4D Printing	ASCENT Ch17 Sculpting Geometry	QUIZ UNIT 8 (CANVAS) DUE 4/15 Assigned: Practice 17A Assigned: Practice 17B
	4/10	Student 18 Classroom Presentation	ASCENT Ch18 Editing Sculpted Geometry	
14	4/15	Student 17 Classroom Presentation Unit 9 - Parametric Design	ASCENT Ch18 Editing Sculpted Geometry	QUIZ UNIT 9 (CANVAS) DUE 4/22

Assigned: Practice 18A
Assigned: Practice 18B
Assigned: Practice 18C
Assigned: Practice 18D

	4/17	Student 16 Classroom Presentation Student 15 Classroom Presentation Student 14 Classroom Presentation		
15	4/22	Student 13 Classroom Presentation Student 12 Classroom Presentation	ASCENT Ch19 Drawing Basics	Assigned: Practice 19A Assigned: Practice 19B Assigned: Practice 19C
	4/24	Student 11 Classroom Presentation Student 10 Classroom Presentation	ASCENT Ch19 Drawing Basics	
16	4/29	Student 9 Classroom Presentation Student 8 Classroom Presentation Student 7 Classroom Presentation	ASCENT Ch20 Detailing Drawings	Assigned: Practice 20A Assigned: Practice 20B
	5/1	Student 6 Classroom Presentation Student 5 Classroom Presentation Student 4 Classroom Presentation		QUIZ ASCENT (CANVAS) DUE 5/13
17	5/6	Student 3 Classroom Presentation Student 2 Classroom Presentation Student 1 Classroom Presentation		
	5/8		ASCENT Appendix A: Outputting for 3D Printing Bonus Lecture - Rendering HQ Images	
18	5/13	Autodesk Certificate of Completion		Autodesk Certificate of Completion
	5/15	Review For Final		
19		Final TBA <i>Note: All assignments must be turned at the end of the scheduled final.</i>		

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

Revised 1/14/2024 GS

**** Note: This will be supplied as a video lecture to be accessed under "DDGT130" on the DDGT.net website.**