



**DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 130 SPRING 2025**

[www.ddgt.net](http://www.ddgt.net)

**707-256-7526**

WEEK	DAY	TECHNICAL GRAPHICS COMMUNICATION COURSEWARE	ASCENT COURSEWARE	ASSIGNMENTS
1	1/22	- Introduction to Hy-Flex - Computer Login - Fusion 360 Setup - Share Project with Instructor / DDGT Technician - Syllabus and Course overview - Kitchen Safety - Local Skills Certificate of Achievement Mechanical Drafting and Design - Fusion Exercises		Assigned: Signed Syllabus Assigned: Signed Kitchen Safety Guide
2	1/27		ASCENT Ch1 Introduction to Autodesk Fusion 360	Lab Together: Practice 1A
	1/29	3D Project Assignment Description	ASCENT Ch2 Creating the First Feature with Quick Shapes	Lab Together: Practice 2A Lab Together: Practice 2B
3	2/3		ASCENT Ch3 Creating Sketched Geometry	<b>February Monthly Meeting DUE 2/26</b> Assigned: Practice 3A Assigned: Practice 3B Assigned: Practice 3C (Create all four shapes in one file)
	2/5	Unit 1A From CAD to CAM Unit 1B Case Study (Assignment Overview)		<b>QUIZ UNIT 1 (CANVAS) DUE 2/12</b>
4	2/10		ASCENT Ch4 Additional Sketching Tools	

2/12	Review of 3D Printing Class Presentation Research Assignment	ASCENT Ch4 Additional Sketching Tools	Assigned: Practice 4A Assigned: Practice 4B Assigned: Practice 4C Assigned: Practice 4D Assigned: Practice 4E Assigned: Practice 4F
	Demonstrate GrabCad printing software		
5	2/17 HOLIDAY - PRESIDENT'S DAY		
	2/19 Unit 2 - Intro to 3D Printing		<b>QUIZ UNIT 2 (CANVAS) DUE 2/26</b>
6	2/24	ASCENT Ch5 Sketched Secondary Features	Assigned: Practice 5A Assigned: Practice 5B
		ASCENT Ch6 Pick and Place Features	Assigned: Practice 5C
	2/26 Unit 3 - 3D Printing Technologies		<b>QUIZ UNIT 3 (CANVAS) DUE 3/5</b>
7	3/3 Unit 3 - 3D Printing Technologies Flammable, Acetone... XTC3 Epoxy and Paint	ASCENT Ch6 Pick and Place Features  ASCENT Ch7 Construction Features	<b>March Monthly Meeting DUE 3/31</b> Assigned: Practice 6A Assigned: Practice 6B Assigned: Practice 6C Assigned: Practice 6D Assigned: Practice 7A Assigned: Practice 7B
	3/5 Unit 4A - What is a Mesh Unit 4B - Making by Sharing		<b>QUIZ UNIT 4 (CANVAS) DUE 3/12</b>
		ASCENT Ch8 Equations and Parameters	Assigned: Practice 8A Assigned: Practice 8B
8	3/10	ASCENT Ch9 Additional Features and Operations	Assigned: Practice 9A Assigned: Practice 9B
		ASCENT Ch10 Design and Display Manipulation	Assigned: Practice 10A Assigned: Practice 10B Assigned: Practice 10C
	3/12 Unit 5A - Gear Systems Unit 5B - Case Study		<b>QUIZ UNIT 5 (CANVAS) DUE 3/19</b>
		ASCENT Ch11 Single Path Sweeps	Assigned: Practice 11A Assigned: Practice 11B

			ASCENT Ch12 Loft Features	Assigned: Practice 12A Assigned: Practice 12B Assigned: Practice 12C
9	3/17		ASCENT Ch13 Feature Duplication Tools	Assigned: Practice 13A Assigned: Practice 13B
	3/19	Unit 6 - Nesting		<b>QUIZ UNIT 6 (CANVAS) DUE 3/26</b>
10	3/24		ASCENT Ch14 Distributed Design ASCENT Ch15 Component Design Tools	Assigned: Practice 14A Assigned: Practice 15A
	3/26	Unit 7 - Future of Fabrication		<b>QUIZ UNIT 7 (CANVAS) DUE 4/2</b>
11	3/31		ASCENT Ch16 Multi-Body Design	Assigned: Practice 16A (Skip Task 8 - Nuts, Washers, Thread) Assigned: Practice 16B
	4/2	Unit 8 - 4D Printing Student 20 Classroom Presentation	ASCENT Ch17 Sculpting Geometry	<b>QUIZ UNIT 8 (CANVAS) DUE 4/9</b> Assigned: Practice 17A Assigned: Practice 17B <b>April Monthly Meeting DUE 4/30</b>
12	4/7	Student 19 Classroom Presentation	ASCENT Ch18 Editing Sculpted Geometry	
	4/9	Unit 9 - Parametric Design Student 18 Classroom Presentation	ASCENT Ch18 Editing Sculpted Geometry	<b>QUIZ UNIT 9 (CANVAS) DUE 4/21</b>
13	4/14	SPRING BREAK 4/14 - 4/18		
	4/16	SPRING BREAK 4/14 - 4/18		
14	4/21	Student 17 Classroom Presentation	ASCENT Ch18 Editing Sculpted Geometry	Assigned: Practice 18A Assigned: Practice 18B Assigned: Practice 18C Assigned: Practice 18D
	4/23	Student 16 Classroom Presentation Student 15 Classroom Presentation Student 14 Classroom Presentation	ASCENT Ch19 Drawing Basics	
15	4/28	Student 13 Classroom Presentation Student 12 Classroom Presentation	ASCENT Ch19 Drawing Basics	Assigned: Practice 19A Assigned: Practice 19B Assigned: Practice 19C
	4/30	Student 11 Classroom Presentation Student 10 Classroom Presentation	ASCENT Ch20 Detailing Drawings	

16	5/5	Student 9 Classroom Presentation Student 8 Classroom Presentation Student 7 Classroom Presentation	ASCENT Ch20 Detailing Drawings	Assigned: Practice 20A Assigned: Practice 20B
				<b>QUIZ ASCENT (CANVAS) DUE 5/14</b>
	5/7	Autodesk Certificate of Completion Student 6 Classroom Presentation Student 5 Classroom Presentation Student 4 Classroom Presentation	ASCENT Appendix A: Outputting for 3D Printing Bonus Lecture - Rendering HQ Images	Assigned: Autodesk Certificate
17	5/12	Review of DDGT 2 Year Program Student 3 Classroom Presentation Student 2 Classroom Presentation Student 1 Classroom Presentation		

5/14

*Note: All assignments must be turned at the end of the scheduled final.*

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

*Revised 1/15/2025 GS*

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