



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 130 FALL 2020 - Napa Learns

www.ddgt.net

707-256-7526

WEEK	DAY	TECHNICAL GRAPHICS COMMUNICATION COURSEWARE	ASCENT COURSEWARE	ASSIGNMENTS
1	9/1	- Syllabus and Course overview - Autodesk Login - Fusion 360 Setup - Fusion Exercises - Share Project with Instructor / DDGT Technician - 3D Project Assignment Description		
	9/3		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	9/8		ASCENT Ch3 Creating Sketched Geometry	Assigned: Practice 3A Assigned: Practice 3B Assigned: Practice 3C (Create all four shapes in one file)
	9/10		ASCENT Ch4 Additional Sketching Tools	Assigned: Practice 4A Assigned: Practice 4B Assigned: Practice 4C Assigned: Practice 4D Assigned: Practice 4E Assigned: Practice 4F

3	9/15	Unit 1A From CAD to CAM Unit 1B Case Study (Assignment Overview)	ASCENT Ch5 Sketched Secondary Features ASCENT Ch6 Pick and Place Features	Assigned: Practice 5A Assigned: Practice 5B Assigned: Practice 5C Assigned: Practice 6A Assigned: Practice 6B Assigned: Practice 6C Assigned: Practice 6D
		QUIZ UNIT 1		
	9/17	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		
4	9/22	Unit 2 - Intro to 3D Printing	ASCENT Ch8 Equations and Parameters	Assigned: Practice 8A Assigned: Practice 8B
		QUIZ UNIT 2		
	9/24		ASCENT Ch9 Additional Features and Operations	Assigned: Practice 9A Assigned: Practice 9B
5	9/29	Unit 3 - 3D Printing Technologies		
		QUIZ UNIT 3		
	10/1	Flammable, Acetone... XTC3 Epoxy and Paint	ASCENT Ch10 Design and Display Manipulation ASCENT Ch11 Single Path Sweeps	Assigned: Practice 10A Assigned: Practice 10B Assigned: Practice 10C Assigned: Practice 11A Assigned: Practice 11B
6	10/6	Unit 4A - What is a Mesh Unit 4B - Making by Sharing	ASCENT Ch12 Loft Features	Assigned: Practice 12A Assigned: Practice 12B Assigned: Practice 12C
		QUIZ UNIT 4		
	10/8	Student 20 Classroom Presentation	ASCENT Ch13 Feature Duplication Tools ASCENT Ch14 Distributed Design	Assigned: Practice 13A Assigned: Practice 13B Assigned: Practice 14A

7	10/13	Unit 5A - Gear Systems Unit 5B - Case Study	ASCENT Ch15 Component Design Tools	Assigned: Practice 15A
QUIZ UNIT 5				
	10/15	Student 19 Classroom Presentation	ASCENT Ch16 Multi-Body Design	Assigned: Practice 16A (Skip Task 8 - Nuts, Washers, Thread) Assigned: Practice 16B
8	10/20	Unit 6 - Nesting	ASCENT Ch17 Sculpting Geometry	Assigned: Practice 17A (Skip Task 5 - Plane, Quadball) Assigned: Practice 17B
QUIZ UNIT 6				
	10/22	Student 18 Classroom Presentation	ASCENT Ch18 Editing Sculpted Geometry	Assigned: Practice 18A Assigned: Practice 18B Assigned: Practice 18C Assigned: Practice 18D
9	10/27	Unit 7 - Future of Fabrication	ASCENT Ch19 Drawing Basics	Assigned: Practice 19A Assigned: Practice 19B Assigned: Practice 19C
QUIZ UNIT 7				
	10/29	Student 17 Classroom Presentation	ASCENT Ch20 Detailing Drawings	Assigned: Practice 20A Assigned: Practice 20B
10	11/3	Unit 8 - 4D Printing	ASCENT Appendix A: Outputting for 3D Printing Bonus Lecture - Rendering	
QUIZ UNIT 8				
	11/5	Student 16 Classroom Presentation Student 15 Classroom Presentation		
11	11/10	Unit 9 - Parametric Design		
QUIZ UNIT 9				
	11/12	Student 14 Classroom Presentation Student 13 Classroom Presentation Student 12 Classroom Presentation		

12	11/17	Student 11 Classroom Presentation Student 10 Classroom Presentation Student 9 Classroom Presentation
	11/19	Student 8 Classroom Presentation Student 7 Classroom Presentation Student 6 Classroom Presentation
13	11/24	Thanksgiving Break
	11/26	Thanksgiving Break
14	12/1	Student 5 Classroom Presentation Student 4 Classroom Presentation Student 3 Classroom Presentation
	12/3	Student 2 Classroom Presentation Student 1 Classroom Presentation ASCENT OPEN BOOK TEST
15	12/8	Autodesk Certificate of Completion
	12/10	Review For Final - Last day of class!
	12/15	Final due at the end of day Note: All assignments must be turned at the end of the scheduled final. There is no class today

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

6/9/2020