



DIGITAL DESIGN GRAPHICS TECHNOLOGY

DDGT 110 Technical Drawing Fundamentals FALL 2024

Lecture and Assignment Schedule

www.ddgt.net

gstrommen@napavalley.edu

WEEK	DAY	TECHNICAL GRAPHICS COMMUNICATION (TGC) COURSEWARE	ASCENT COURSEWARE	ASSIGNMENTS
1	8/26	Introduction to DDGT 110 Course Introduction to Hy-Flex Overview of Syllabi and Schedule Kitchen Safety Download and Install AutoCAD Download Technical Graphics Communication Textbook Dropbox Assignment Submissions		Bring in a 3" Binder or two 1.5" Binders TGC - Read Chapter 6 Technical Drawing Tools FOR 8/28 #0 Download and Install AutoCAD #1 Signed Syllabus #2 Signed Kitchen Safety Sheets
	8/28	TGC - Review Chapter 6 Technical Drawing Tools Scales - Metric		#3 - 6.5 Metric Scales (p225) CANVAS QUIZ 1 CHAPTER 6 DUE 9/4 - BEFORE CLASS
4	9/2	HOLIDAY - LABOR DAY		

	9/4	Student Login Process Canvas Overview Canvas Phone App Windows File Management Setup AutoCAD Exercises Download AutoCAD Setup Scales - Fractional Inch vs Decimal Inch Scales - Architect		#4 - Architect Fractional Inch vs Engineer Decimal Inch Scales #5 - 6.7 Architect's Scale (p227) Class Participation - September Meeting DUE END OF SEPTEMBER
3	9/9	Scales - Engineer	Chapter 1 - Getting Started with AutoCAD	CANVAS DISCUSSION 1 DUE 9/11 TGC - Read Chapter 7 Sketching and Text #6 - 6.6 Engineer's Scale (p226)
	9/11	Review of Chapter 7 Sketching and Text Linetypes	Chapter 2 - Basic Drawing & Editing Commands	CANVAS QUIZ 2 CHAPTER 7 AND LINETYPES DUE 9/18 - BEFORE CLASS
4	9/16		Chapter 4 - Drawing Precision in AutoCAD	
	9/18	4-37 Demo Part I	Chapter 5 - Making Changes in Your Drawing OFFSET & ALIGN	#7 - ASCENT - Practice 5B
5	9/23	LAB DAY		CANVAS DISCUSSION 2 DUE 9/25 TGC - Read Chapter 8.1-8.5, 8.10, 8.12.1 Engineering Geometry and Construction

SINGLE VIEW DRAWINGS:

- #8 - 4-37 Template
- #9 - 4-39 Shaft Support
- #10 - 4-38 Carburetor Gasket
- #11 - 4-36 Gasket
- #12 - 4-46 Reel Slide

Assignment Clarification:

This may look alarming that I am assigning assignments #8 - #16 all at once. Do not be alarmed, this is only to let you know you have the skills to work on these assignments at this point. Please work on them in sequential order at your own pace.

Your goal should be to have the majority of these assignments completed by the time we cover Chapter 10 - Multiview Drawings in the TGC textbook in order to stay on track in class.

#13 - Third Angle Projection Symbol**
(FOLLOW ONLINE VIDEO)

COMPLETED WITH 100% BY 10/16

#14 - Title Block ANSI B**
(FOLLOW ONLINE VIDEO)

COMPLETED WITH 100% BY 10/23

- #15 - 5-31 Adjustable Fork
- #16 - 8-100 Gasket
- E.C.#1 - 8.151 Filter

CANVAS QUIZ 3 CHAPTER 8
DUE 10/2 - BEFORE CLASS

	9/25	Review Chapter 8.1-8.5, 8.10, 8.12.1 Engineering Geometry and Construction 4-37 Demo Part II		
6	9/30	TEMPLATES SESSION 1 - Introduction Layers (Metric Template, LTS = 25.4)	Chapter 7 - Organizing Your Drawing with Layers	
	10/2		Chapter 8 - Advanced Object Types	Class Participation - October Meeting DUE END OF OCTOBER
7	10/7		Chapter 9 - Analyzing Model and Object Properties	CANVAS DISCUSSION 3 DUE 10/9 TGC - Read Chapter 10 Multiview Drawings

10/9 Review Chapter 10 Multiview Drawings

Assignment Clarification:

This may look alarming that I am assigning assignments #17 - #20 all at once. Do not be alarmed, this is only to let you know you have the skills to work on these assignments at this point. Please work on them in sequential order at your own pace.

Your goal should be to have the majority of these assignments completed by the time we cover Chapter 13 - Auxiliary Views in the TGC textbook in order to stay on track in class.

MULTIVIEW DRAWINGS:

- #17 - 5-32 Rocker Arm
- #18 - 6-80 Adjusting Guide
- #19 - 6-85 Angle Block
- #20 - 6-86 Base Plate

**CANVAS QUIZ 4 CHAPTER 10
DUE 10/16 - BEFORE CLASS**

8	10/14	Chapter 11 - Advanced Editing Commands	REMINDER: #13 Third Angle Projection Symbol** (FOLLOW ONLINE VIDEO) COMPLETED WITH 100% BY 10/16
	10/16	TEMPLATES SESSION 2 - 3rd Angle Projection and Metric Symbol Blocks	REMINDER: #14 Title Block ANSI B** (FOLLOW ONLINE VIDEO) COMPLETED WITH 100% BY 10/23
			CANVAS DISCUSSION 4 DUE 10/21 TGC - Read Chapter 13 Auxiliary Views
9	10/21	Review Chapter 13 Auxiliary Views	AUXILIARY VIEW DRAWINGS:
		Chapter 27 - Creating Templates	#21 - 7-43 Angle Bracket
			#22 - 7-46 Cross Slide Bracket
			#23 - 7-58 Hexagon Slot Support
			E.C.#2 - 7-53 Connecting Bar
			E.C.#3 - 7-59 Dovetail Bracket

Assignment Clarification:

This may look alarming that I am assigning assignments #21 - #23 all at once. Do not be alarmed, this is only to let you know you have the skills to work on these assignments at this point. Please work on them in sequential order at your own pace.

Your goal should be to have the majority of these assignments completed by the time we cover Chapter 17.1-17.4 - Dimensioning Practices in the TGC textbook in order to stay on track in class. **CANVAS QUIZ 5 CHAPTER 13 DUE 10/28 - BEFORE CLASS**

	10/23	TEMPLATES SESSION 3 - Layout Tabs and Title Blocks	Chapter 14 - Setting Up a Layout Chapter 15 - Printing Your Drawing	
10	10/28	TEMPLATES SESSION 4 - Annotation Styles + Table Styles	Chapter 29 - Annotation Styles	
	10/30	TEMPLATES SESSION 5 - Title Block Text / Legend / General Notes	Chapter 17 - Text (Part I)	
11	11/4	TEMPLATES SESSION 6 - Parts List This completes Imperial Template Metric Template Completion	Chapter 17 - Text (Part II - Tables)	Class Participation - November Meeting DUE END OF NOVEMBER
	11/6	7-58 Demo AutoCAD and Inventor** (Online Video)	Chapter 28 - Working With Layouts	CANVAS DISCUSSION 5 DUE 11/13 TGC - Read Chapter 17.1-17.4 Dimensioning Practices
12	11/11	HOLIDAY - VETERANS DAY		
	11/13	Review Chapter 17.1-17.4 Dimensioning Practices	Chapter 19 - Adding Dimensions	FULL WORKING DRAWINGS: #24 - 8-100 Gasket WD ** (FOLLOW ONLINE VIDEO) #25 - 8-83 Adjusting Table Support (Visual Check Off) (Online)

Assignment Clarification:

This may look alarming that I am assigning assignments #24 - #25 all at once. Do not be alarmed, this is only to let you know you have the skills to work on these assignments at this point. Please work on them in sequential order at your own pace.

Your goal should be to have the majority of these assignments completed by the time we cover Chapter 16 - Section Views in the TGC textbook in order to stay on track in class

CANVAS QUIZ 6 CHAPTER 17.1-17.4 DUE 11/20 - BEFORE CLASS

COVER Chapter 16 - SECTION VIEWS IN THE TGC TEXTBOOK IN ORDER TO STAY ON TRACK IN CLASS.

CANVAS DISCUSSION 6 DUE 11/18
TGC - Read Chapter 16 Section Views

13	11/18	Review Chapter 16 Section Views Print Room Etiquette	Chapter 18 - Hatching	SECTION VIEW DRAWINGS: #26 - 9-35 Shaft Base WD (PRINT) (Online)
				CANVAS QUIZ 7 CHAPTER 16 DUE 11/25 - BEFORE CLASS
	11/20		Chapter 21 - Working Effectively with AutoCAD	E.C.#4 - 9-51 Caster WD (PRINT) (Online)
				CANVAS DISCUSSION 7 DUE 11/25 TGC - Read Chapter 17.5-17.9 Tolerancing Practices
14	11/25	Review Chapter 17.5-17.9 Tolerancing Practices	Chapter 22 - Accurate Positioning Chapter 24 - Parametric Drawing** (Optional)	CANVAS QUIZ 8 CHAPTER 17.5-17.9 DUE 12/2 - BEFORE CLASS
	11/27	LAB DAY		
15	12/2		Chapter 25 - Working With Blocks	
	12/4		Chapter 31 - External References	CANVAS QUIZ 9 ASCENT DUE 12/11 - MIDNIGHT
16	12/9	Autodesk Certificate Review For Final		FINAL DUE 12/11 - MIDNIGHT
	12/11	LAST CLASS		

Note: Deadline for ALL assignments must be turned at the end of the day of the last class. Please note that you should turn in ALL assignments even if they are not complete as I will give partial credit.

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

Revised 8/25/2024 GS v1.0

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