



**DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 120 FALL 2022**

**Lecture and Assignment Schedule**

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707-256-7526

WEEK	DAY	LECTURE	ASSIGNMENT
1	8/15	<ul style="list-style-type: none"> <li>- Introduction to DDGT 120 Course</li> <li>- Overview of Syllabi and Schedule</li> <li>- Kitchen Safety</li> <li>- A.S. Certificate and Certificate of Achievement Requirements / Curriculum Training / Online Catalog</li> <li>- Student Login Process</li> <li>- Canvas / Email Setup / Email Forwarding</li> <li>- Phone App</li> <li>- Autodesk Certified Professional Exam Description</li> <li>- Dropbox Submission Setup</li> <li>- Software Installations: AutoCAD and Inventor</li> </ul>	<ul style="list-style-type: none"> <li>#1 - Signed Syllabus</li> <li>#2 - Signed Kitchen Safety</li> <li>Bring in a 3" Binder (or two 1.5" binders)</li> <li><b>TGC Read 5.1-5.6, 5.8-5.10 Design Visualization</b></li> <li><b>DUE 8/16 8:45am</b></li> </ul>
	8/16	<ul style="list-style-type: none"> <li>Review of Chapter 5.1-5.6, 5.8-5.10 Design Visualization</li> <li>Windows File Management</li> <li>Passwords File</li> </ul>	<ul style="list-style-type: none"> <li>#3 - Handout 5.52 Match objects with target shapes p168</li> <li>#4 - Handout 5.53 Match objects with target shapes p169</li> <li>#5 - Handout 5.54 P or Q p170</li> <li>#6 - Handout 5.62 Match Objects</li> <li><b>TGC Read Chapter 6 Technical Drawing Tools</b></li> <li><b>DUE 8/17 8:45am</b></li> </ul>
	8/17	<ul style="list-style-type: none"> <li>Review Chapter 6 Technical Drawing Tools</li> <li>Scales - Metric</li> </ul>	<ul style="list-style-type: none"> <li>#7 - 6.5 Reading Metric Scales (p225)</li> <li><b>CANVAS DISCUSSION 1 -</b></li> <li><b>TGC Read Chapter 7.1-7.9, 7.11-7.12</b></li> <li><b>Sketching and Text</b></li> <li><b>DUE 8/23 8:45am</b></li> </ul>

	8/18 Ascent Chapter 1 - Getting Started with AutoCAD Scales - Engineering	#8 - Reading Engineer's Scale (p226)  <b>CANVAS QUIZ 1 - TGC Chapters 5 and 6</b> <b>DUE 8/25 8:45am</b>
2	8/22 Ascent Chapter 2 - Basic Drawing & Editing Commands Ascent Chapter 4 - Drawing Precision in AutoCAD Scales - Architectural Scales - Architect vs Engineer	#9 - Reading Architect's Scale (p227) #10 - Architect Fractional Inch vs Engineer Decimal Inch Comparison #11 - ASCENT - Practice 2A
	8/23 Review Chapter 7 and Linetypes Ascent Chapter 5 - Making Changes in Your Drawing + Offset and Align Handout: 1-23 Scales	#12 - Handout 1-23 Scales #13 - ASCENT - Practice 5B  <b>CANVAS QUIZ 2 - TGC Chapter 7</b> <b>DUE 8/30 8:45am</b>  <b>CANVAS DISCUSSION 1 - FOLLOW UP</b> <b>TGC Chapter 7.1-7.9, 7.11-7.12</b> <b>Sketching and Text</b> <b>DUE 8/30 8:45am</b>  <b>CANVAS DISCUSSION 2 -</b> <b>TGC Read Chapter 8.1-8.5, 8.10-8.11, 8.12.1</b> <b>Engineering Geometry and Construction</b> <b>DUE 8/29 8:45am</b>

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8/24 Demo 4-37

**SINGLE VIEW DRAWINGS:**

- #14 - AutoCAD 4-37 Template or 8.141 Centering Plate\*
- #15 - AutoCAD 4-39 Shaft Support or 8.142 Reference Plate\*
- #16 - AutoCAD 4-38 Carburetor Gasket OR 4-30\*
- #17 - AutoCAD 4-36 Gasket
- #18 - AutoCAD 4-46 Reel Slide or 8.149 Multi Port\*
- #19 - AutoCAD 5-31 Adjustable Fork or 8.148 Harness Guide\*
- #20 - AutoCAD 8-100 Gasket
- #21 - AutoCAD Third Angle Projection Symbol (Watch Online Video)
- #22 - AutoCAD Title Block ANSI A (Watch Online Video)
- #23 - AutoCAD Title Block ANSI B (Watch Online Video)
- #24 - AutoCAD Title Block ANSI C (Watch Online Video)
- #25 - AutoCAD Title Block ANSI D (Watch Online Video)
- #26 - AutoCAD Title Block ARCH D (Watch Online Video)
- #27 - AutoCAD 8.151 Filter (p393)

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8/25 LAB DAY

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3 8/29 Ascent Chapter 7 - Organizing Your Drawing with Layers  
TEMPLATES SESSION 1 - Introduction / Layers

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8/30 Review Chapter 8 Geometry and Construction

**CANVAS QUIZ 3 - TGC Chapter 8**

**DUE 9/6 8:45am**

**CANVAS DISCUSSION 2 - FOLLOW UP**

**TGC Chapter 8.1-8.5, 8.10-8.11, 8.12.1  
Engineering Geometry and Construction  
DUE 9/6 8:45am**

**CANVAS DISCUSSION 3 -**

**TGC Read Chapter 10 Multiview Drawings  
DUE 9/6 8:45am**

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8/31 Demo 4-36

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9/1 Ascent Chapter 8 - Advanced Object Types

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#28 - SEPTEMBER MEETING

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4	9/5	HOLIDAY - LABOR DAY	
	9/6	Review Chapter 10 Multiview Drawings	<p><b>MULTI-VIEW DRAWINGS:</b></p> <p>#29 - AutoCAD 5-32 Rocker Arm or 8-89 Bracket*</p> <p>#30 - AutoCAD 6-80 Adjusting Guide or 6-81 Flanged Support*</p> <p>#31 - AutoCAD 6-85 Angle Block</p> <p>#32 - AutoCAD 6-86 Base Plate or 6-89 Base*</p> <p><b>CANVAS QUIZ 4 - Chapter 10</b> <b>DUE 9/13 8:45am</b></p> <p><b>CANVAS DISCUSSION 3 - FOLLOW UP</b> <b>TGC Chapter 10 Multiview Drawings</b> <b>DUE 9/13 8:45am</b></p>
	9/7	LAB DAY	
	9/8	Ascent Chapter 9 - Getting Information from your Drawing	
5	9/12	Ascent Chapter 11 - Advanced Editing Commands	<p>#33 - Handout 5.55 Surface Match p171</p> <p>#34 - TGC p293 Problem 7.2 Multiview sketching problems 1-11 odd on graph paper</p> <p><b>CANVAS DISCUSSION 4 -</b> <b>TGC Read Chapter 13 Auxiliary Views</b> <b>DUE 9/14 8:45am</b></p>
	9/13	Ascent Chapter 12 - Blocks TEMPLATES SESSION 2 - Blocks 3rd Angle Projection and Metric Symbols Titleblocks	<p>#36 - TGC p294 Problem 7.2 Multiview sketching problems 13-23 odd on graph paper</p>

9/14 Review Chapter 13 Auxiliary Views  
Ascent Chapter 27 - Creating Templates

**AUXILIARY VIEW DRAWINGS:**

#37 - 7-43 Angle Bracket or 13.22 Auto Stop\*  
#38 - 7-46 Cross Slide Bracket or 8-19\*  
E.C.#1 - 7-53 Connecting Bar (Extra Credit)  
#39 - 7-58 Hexagon Slot Support  
#40 - 7-59 Dovetail Bracket  
E.C.#2 - 7-60 Pivot Arm (Extra Credit)

**CANVAS QUIZ 5 - TGC Chapter 13**  
**DUE 9/21 8:45am**

**CANVAS DISCUSSION 4 - FOLLOW UP**  
**TGC Chapter 13 Auxiliary Views**  
**DUE 9/21 8:45am**

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	9/15	Ascent Chapter 14 - Setting Up a Layout Ascent Chapter 15 - Printing Your Drawing TEMPLATES SESSION 3 - Layout Tabs CTB File Creation	#41 - TGC p295 Problem 7.2 Multiview sketching problems 25-35 odd on graph paper
6	9/19	TEMPLATES SESSION 4 - Title Strip Border, 3rd Angle Projection, and Metric Symbols	
	9/20	Ascent Chapter 29 - Annotation Styles TEMPLATES SESSION 5 - Styles	
	9/21	Ascent Chapter 17 - Text TEMPLATES SESSION 6 - Title Block Text / Key / Legend / General Notes	#42 - TGC p296 Problem 7.2 Multiview sketching problems 37-47 odd on graph paper
			<b>CANVAS DISCUSSION 5 -</b> <b>TGC Read Chapter 17.1-17.4</b> <b>Dimensioning Practices</b> <b>DUE 9/28 8:45am</b>
	9/22	Ascent Chapter 17 - Tables TEMPLATES SESSION 6 - Title Block Text / Key / Legend / General Notes Continued	#43 - TGC p297 Problem 7.2 Multiview sketching problems 49-59 odd on graph paper

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7	9/26	TEMPLATES SESSION 7 - Parts List / Revision Table Note: Business Cards will be brought in as DWG XREF's (use absolute path) Layer Properties, show non-xref layers	#44 - TGC p298 Problem 7.2 Multiview sketching problems 61-71 odd on graph paper
	9/27	TEMPLATES SESSION 8 - Templates Completed Metric Tolerances Update Global Variables	#45 - Handout TGC p548 Problem 10.4 Two-View drawings of several objects 1-11 odd
<b>Notes: Reminder that Metric Template Tolerances in Title Strip are different than Imperial.</b>			
	9/28	Review Chapter 17.1 - 17.4 Dimensioning Practices	#46 - Handout TGC p549 Problem 10.4 Two-View drawings of several objects 13-23 odd
			<b>CANVAS QUIZ 6 - TGC Chapter 17.1 - 17.4</b> <b>DUE 10/5 8:45am</b>
			<b>CANVAS DISCUSSION 5 - FOLLOW UP</b> <b>TGC Chapter 17.1-17.4</b> <b>Dimensioning Practices</b> <b>DUE 10/5 8:45am</b>
	9/29	Ascent Chapter 28 - Advanced Layouts	#48 - Handout TGC p550 Problem 10.4 Two-View drawings of several objects 25-36 odd
8	10/3	Ascent Chapter 19 - Adding Dimensions Demo 8-100 (Video)	#47 - OCTOBER MEETING
			<b>WORKING DRAWINGS:</b> #51 - AutoCAD 8-100 Gasket Working Drawing (Print) #52 - AutoCAD 8-83 Adjustable Table Support Working Drawing or 8-86 Adjustable Sector* (Visual Check-Off)
			<b>CANVAS DISCUSSION 6 -</b> <b>TGC Read Chapter 16 Section Views</b> <b>DUE 10/5 8:45am</b>
	10/4	Lab Day	#53 - Handout TGC p551 Problem 10.5 Three incomplete views of multiview drawing of an object 1-11 odd

10/5	Review Chapter 16 Ascent Chapter 18 - Hatching	#54 - Handout TGC p552 Problem 10.5 Three incomplete views of multiview drawing of an object 13-23 odd
		<p><b>SECTIONING DRAWINGS:</b></p> <p>#56 - AutoCAD 9-35 Shaft Base Working Drawing with 3D Cover Page ANSI B Scale 1:2</p> <p>#57 - AutoCAD 9-39 Casing Working Drawing with 3D Cover Page ANSI B Scale 1:2</p> <p><b>CANVAS QUIZ 7 - TGC Chapter 16</b> <b>DUE 10/12 8:45am</b></p> <p><b>CANVAS DISCUSSION 6 - FOLLOW UP</b> <b>TGC Chapter 16 Section Views</b> <b>DUE 10/12 8:45am</b></p>
10/6	Ascent Chapter 21 - Working Effectively with AutoCAD	
9	10/10 Ascent Chapter 22 - Accurate Positioning	
	10/11 Ascent Chapter 24 - Parametric Drawing	
10/12	Ascent Chapter 25 - Working With Blocks	#60 - AutoCAD 9-51 Caster WD with 3D AutoCAD - ANSI B Scale 1:2
10/13	Ascent Chapter 31 - External References	#61 - AutoCAD 8-72 Template as XREF Working Drawing Imperial - ANSI B Scale 1:1 Visual Checkoff
		<p><b>CANVAS QUIZ 9 - ASCENT AutoCAD Fundamentals</b> <b>DUE 10/31 8:45am</b></p> <p><b>CANVAS DISCUSSION 7 -</b> <b>TGC Read Chapter 17.5-17.9 Tolerancing Practices</b> <b>DUE 10/20 8:45am</b></p>
10	10/17 Lab Day	#62 - AutoCAD 8-72 Template as XREF Working Drawing Revision 1 Imperial - ANSI D Scale 2:1 (see instructor) Visual Checkoff
	10/18 Lab Day	

	10/19	Autodesk Certificate DOC Folder / Certificates / Username + Password	#63 - AutoCAD 9-51 Caster Working Drawing with 3D Imperial - ANSI D Scale 1:1 Visual Checkoff
	10/20	Review Chapter 17.5-17.9 Tolerancing Practices	<b>CANVAS Quiz 8 - TGC Chapter 17.5-17.9</b> <b>DUE 10/27 8:45am</b>
			<b>CANVAS DISCUSSION 7 - FOLLOW UP</b> <b>TGC Chapter 17.5-17.9 Tolerancing Practices</b> <b>DUE 10/27 8:45am</b>
11	10/24	AutoCAD 3D Modeling Tools Solids vs. Surfaces, Visual Styles, 3D Space	
	10/25	AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union	
	10/26	AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union (Continued) Face Extrude, Push Pull	
	10/27	AutoCAD 3D Modeling Tools 3D Layouts and Annotations	#64 - AutoCAD 9-39 Casing Working Drawing with 3D Cover Page ANSI D Scale 1:1 Visual Checkoff
12	10/31	Demo Reverse Engineering	#66 - AutoCAD Reverse Engineering: 9-37 Slide Bracket - Imperial Printed part is actual size Working Drawing with 3D
	11/1	Lab Day	#65 - NOVEMBER MEETING
	11/2	Inventor Overview, Project Setup, Parts	#67 - Inventor 9-51 Caster Working Drawing #68 - Inventor 14-90 Caster Working Drawing
	11/3	Inventor Parts (Continued)	
13	11/7	Inventor Parts (Continued) Sheet Metal Video will be available online	#69 - 23-54 Motor Support Inventor Sheet Metal (Online Video)
	11/8	Inventor Assemblies	
	11/9	Inventor Assemblies (Continued)	
	11/10	Inventor Presentations	
14	11/14	Inventor Drawings	
	11/15	Inventor Drawings (Continued)	



	11/16	Inventor Trolley Demo - Instructor to go through entire project at instructor speed, recorded for student review.	#70 - Inventor 14-83 Trolley Working Drawing (Online Videos)
	11/17	Lab Day	
15	11/21	Inventor Templates (Watch online video lecture)	
	11/22	Inventor Templates Continued (Watch online video lecture)	
	11/23	HOLIDAY - THANKSGIVING RECESS	
	11/24	HOLIDAY - THANKSGIVING RECESS	
16	11/28	Inventor Drawing Resource Transfer Wizard 14-83 Sub-Assemblies and Bill of Materials (BOM) (Watch online video lecture)	
	11/29	Lab Day	
	11/30	Inventor Review	
	12/1	Lab Day	<b>CANVAS QUIZ 10 - Inventor DUE 12/8 8:45am</b>
17	12/5	Lab Day	
	12/6	Lab Day	
	12/7	Lab Day	
	12/8	Review for Final	
18	12/12	7:30 - 9:30am	

\* If you took DDGT110 in the last year, please do this alternate assignment.

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

*Revised 6/12/2022 GS v1.0*