



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 120 FALL 2020

www.ddgt.net

707-256-7526

WEEK	DAY	LECTURE	ASSIGNMENT
1	8/17	<ul style="list-style-type: none">- Introduction to DDGT 120 Course- Overview of Syllabi and Schedule- Kitchen Safety- A.S. Certificate and Certificate of Achievement Requirements / Curriculum Training / Online Catalog- Student Login Process- Canvas / Email Setup / Email Forwarding- Autodesk Certified Professional Exam Description	<ul style="list-style-type: none">#1 - Signed Syllabus#2 - Signed Kitchen Safety <p>Bring in a 3" Binder (or two 1.5" binders)</p> <p>TGC Read 5.1-5.6, 5.8-5.10 Design Visualization DUE 8/18</p>
	8/18	<ul style="list-style-type: none">Review of Chapter 5.1-5.6, 5.8-5.10 Design VisualizationWindows File ManagementPasswords File	<ul style="list-style-type: none">#3 - Handout 5.52 Match objects with target shapes p168#4 - Handout 5.53 Match objects with target shapes p169#5 - Handout 5.54 P or Q p170#6 - Handout 5.62 Match Objects <p>TGC Read Chapter 6 Technical Drawing Tools DUE 8/19</p>
	8/19	<ul style="list-style-type: none">Review Chapter 6 Technical Drawing ToolsScales - Metric	<ul style="list-style-type: none">#7 - 6.5 Reading Metric Scales (p225) <p>Ascent Chapter 1 - Getting Started with AutoCAD DUE 8/20</p>

8/20 Quiz Chapters 5 and 6
Ascent Chapter 1 - Getting Started with AutoCAD
Scales - Engineering

#8 - Reading Engineer's Scale (p226)

**TGC Read Chapter 7.1-7.9, 7.11-7.12 Sketching and Text
READING PARTICIPATION ASSIGNMENT ONLINE DUE 8/25**

**Ascent Chapter 2 - Basic Drawing & Editing Commands
Ascent Chapter 4 - Drawing Precision in AutoCAD DUE 8/24**

2 8/24 **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

**Ascent Chapter 5 - Making Changes in Your Drawing
DUE 8/25**

8/25 Quiz
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

8/26 Quiz Chapter 7 and Linetypes
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)

TGC Read Chapter 8.1-8.5,8.10-8.11, 8-12.1
Engineering Geometry and Construction
READING PARTICIPATION ASSIGNMENT ONLINE DUE 8/31

Ascent Chapter 7 - Organizing Your Drawing with Layers
DUE 8/27

8/27 **Ascent Chapter 7 - Organizing Your Drawing with Layers**
TEMPLATES SESSION 1 - Introduction / Layers

3 8/31 Review Chapter 8 Geometry and Construction

TGC Read Chapter 10 Multiview Drawings
READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/3

9/1 Quiz Chapter 8
Demo 4-36

#28 - SEPTEMBER MEETING

Ascent Chapter 8 - Advanced Object Types DUE 9/2

	9/2	Ascent Chapter 8 - Advanced Object Types	
	9/3	Review Chapter 10 Multiview Drawings	<p><i>MULTI-VIEW DRAWINGS:</i></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>Ascent Chapter 9 - Getting Information from your Drawing DUE 9/8</p>
4	9/7	HOLIDAY - LABOR DAY	
	9/8	Quiz Chapter 10 Ascent Chapter 9 - Getting Information from your Drawing	<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>Ascent Chapter 11 - Advanced Editing Commands DUE 9/9 TGC Read Chapter 13 Auxiliary Views READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/14</p> <p>Ascent Chapter 12 - Blocks DUE 9/10</p>
	9/9	Ascent Chapter 11 - Advanced Editing Commands	
	9/10	Ascent Chapter 12 - Blocks TEMPLATES SESSION 2 - Blocks 3rd Angle Projection and Metric Symbols Titleblocks	<p>#35 - ASCENT - Practice 12A</p> <p>#36 - TGC p294 Problem 7.2 Multiview sketching problems 13-23 odd on graph paper</p> <p>Ascent Chapter 27 - Creating Templates DUE 9/14</p> <p>Note - for ASCENT Practice 12A: Landscaping.dwg location: C:\Program Files\Autodesk\AutoCAD 2020\Sample\en-us\DesignCenter\Landscaping.dwg</p>

5	9/14	Review Chapter 13 Auxiliary Views Ascent Chapter 27 - Creating Templates	<i>AUXILIARY VIEW DRAWINGS:</i> #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)
	9/15	Quiz Chapter 13 Lab Day	
	9/16	Lab Day	Ascent Chapter 14 - Setting Up a Layout Ascent Chapter 15 - Printing Your Drawing DUE 9/17
	9/17	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	9/21	TEMPLATES SESSION 4 - Title Strip Border, 3rd Angle Projection, and Metric Symbols	Ascent Chapter 29 - Annotation Styles DUE 9/22
	9/22	Ascent Chapter 29 - Annotation Styles TEMPLATES SESSION 5 - Styles	Ascent Chapter 17 - Text DUE 9/23
	9/23	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
	9/24	Ascent Chapter 17 - Tables TEMPLATES SESSION 6 - Title Block Text / Key / Legend / General Notes Continued	Ascent Chapter 17 - Tables DUE 9/24 #43 - TGC p297 Problem 7.2 Multiview sketching problems 49-59 odd on graph paper
7	9/28	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 TGC Read Chapter 17.1-17.4 Dimensioning Practices READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/30

9/29	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
Notes: Reminder that Metric Template Tolerances in Title Strip are different than Imperial.		
9/30	Review Chapter 17.1 - 17.4 Dimensioning Practices	#46 - Handout TGC p549 Problem 10.4 Two-View drawings of several objects 13-23 odd
Ascent Chapter 28 - Advanced Layouts DUE 10/1		
10/1	Quiz Chapter 17.1 - 17.4 Ascent Chapter 28 - Advanced Layouts	#47 - OCTOBER MEETING #48 - Handout TGC p550 Problem 10.4 Two-View drawings of several objects 25-36 odd #49 - ASCENT - Practice 28A #50 - ASCENT - Practice 28B
Ascent Chapter 19 - Adding Dimensions DUE 10/5		
8	10/5 Ascent Chapter 19 - Adding Dimensions Demo 8-100 (Video)	<i>WORKING DRAWINGS:</i> #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)
TGC Read Chapter 16 Section Views READING PARTICIPATION ASSIGNMENT ONLINE DUE 10/7		
10/6	Lab Day	#53 - Handout TGC p551 Problem 10.5 Three incomplete views of multiview drawing of an object 1-11 odd
Ascent Chapter 18 - Hatching DUE 10/7		

10/7	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 #55 - ASCENT - Practice 18B <i>SECTIONING DRAWINGS:</i> #56 - AutoCAD 9-35 Shaft Base Working Drawing with 3D Cover Page ANSI B Scale 1:2 #57 - AutoCAD 9-39 Casing Working Drawing with 3D Cover Page ANSI B Scale 1:2
10/8	Quiz Chapter 16 Ascent Chapter 21 - Working Effectively with AutoCAD	Ascent Chapter 21 - Working Effectively with AutoCAD DUE 10/8 Ascent Chapter 22 - Accurate Positioning DUE 10/12
9	10/12 Ascent Chapter 22 - Accurate Positioning	Ascent Chapter 24 - Parametric Drawing DUE 10/13
10/13	Ascent Chapter 24 - Parametric Drawing	#58 - ASCENT - Practice 24A Ascent Chapter 25 - Working With Blocks DUE 10/14
10/14	Ascent Chapter 25 - Working With Blocks	#59 - ASCENT - Practice 25A #60 - AutoCAD 9-51 Caster WD with 3D AutoCAD - ANSI B Scale 1:2 Ascent Chapter 31 - External References DUE 10/15
10/15	Ascent Chapter 31 - External References	#61 - AutoCAD 8-72 Template as XREF Working Drawing Imperial - ANSI B Scale 1:1 Visual Checkoff
10	10/19 Lab Day	#62 - AutoCAD 8-72 Template as XREF Working Drawing Revision 1 Imperial - ANSI D Scale 2:1 (see instructor) Visual Checkoff
10/20	Lab Day	TGC Read Chapter 17.5-17.9 Tolerancing Practices READING PARTICIPATION ASSIGNMENT ONLINE DUE 10/22

	10/21	Quiz Ascent Courseware Autodesk Certificate DOC Folder / Certificates / Username + Password	#63 - AutoCAD 9-51 Caster Working Drawing with 3D Imperial - ANSI D Scale 1:1 Visual Checkoff
	10/22	Review Chapter 17.5-17.9 Tolerancing Practices	
11	10/26	Quiz Chapter 17.5-17.9 AutoCAD 3D Modeling Tools Solids vs. Surfaces, Visual Styles, 3D Space	
	10/27	AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union	
	10/28	AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union (Continued) Face Extrude, Push Pull	
	10/29	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	11/2	Demo Reverse Engineering	#65 - NOVEMBER MEETING #66 - AutoCAD Reverse Engineering: 9-37 Slide Bracket - Imperial Printed part is actual size Working Drawing with 3D
	11/3	Lab Day	
	11/4	Inventor Overview, Project Setup, Parts	#67 - Inventor 9-51 Caster Working Drawing #68 - Inventor 14-90 Caster Working Drawing
	11/5	Inventor Parts (Continued)	
13	11/9	Inventor Parts (Continued) Sheet Metal Video will be available online	#69 - 23-54 Motor Support Inventor Sheet Metal (Online Video)
	11/10	Inventor Assemblies	
	11/11	HOLIDAY - VETERANS DAY	
	11/12	Inventor Presentations	
14	11/16	Inventor Drawings	
	11/17	Inventor Drawings (Continued)	
	11/18	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)

	11/19	Lab Day
15	11/23	Inventor Templates (Watch online video lecture)
	11/24	Inventor Templates Continued (Watch online video lecture)
	11/25	HOLIDAY - THANKSGIVING RECESS
	11/26	HOLIDAY - THANKSGIVING RECESS
16	11/30	Inventor Drawing Resource Transfer Wizard 14-83 Sub-Assemblies and Bill of Materials (BOM) (Watch online video lecture)
	12/1	Lab Day
	12/2	Inventor Review
	12/3	Inventor Quiz
17	12/7	Lab Day
	12/8	Lab Day
	12/9	Lab Day
	12/10	Review for Final
18	12/14	Final TBA

* 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 7/10/2020 GJS v1.0