



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 120 FALL 2017

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

707-256-7526

WEEK	DAY	LECTURE	ASSIGNMENT
<b>Note: Schedule may be changed to accommodate Open - Day Autodesk Certified Professional Exam</b>			
1	8/14	Introduction to DDGT 120 Course Overview of Syllabi and Schedule A.S. Certificate Requirements Student Login Process	Bring in a 3" Binder (or two 1.5" binders) <b>TGC Read 5.1-5.6, 5.8-5.10 Design Visualization</b>
	8/15	Review of Chapter 5.1-5.6, 5.8-5.10 Design Visualization Windows File Management Canvas Setup	Handout 5.52 Match objects with target shapes p168 Handout 5.53 Match objects with target shapes p169 Handout 5.54 P or Q p170 Handout 5.62 Match Objects <b>TGC Read Chapter 6 Technical Drawing Tools</b>
	8/16	Review Chapter 6 Technical Drawing Tools Scales	Architect Fractional Inch vs Engineer Decimal Inch Handout Problem 6.5 Reading metric scales p225 Handout Problem 6.6 Reading engineer's scales p226 Handout Problem 6.7 Reading architect's scales p227 Handout 1-23 Scales
	8/17	Quiz Chapters 5 and 6 <b>Ascent Chapter 1 - Getting Started with AutoCAD</b> Scales (continued)	<b>TGC Read Chapter 7.1-7.9, 7.11-7.12 Sketching and Text</b> <b>READING PARTICIPATION ASSIGNMENT ONLINE DUE 8/22</b>
2	8/21	<b>Ascent Chapter 2 - Basic Drawing &amp; Editing Commands</b> <b>Ascent Chapter 4 - Drawing Precision in AutoCAD</b>	ASCENT - Practice 2A

	8/22	Quiz Review Chapter 7 and Linetypes <b>Ascent Chapter 5 - Making Changes in Your Drawing</b>	ASCENT - Practice 5B
	8/23	Quiz Chapter 7 and Linetypes Demo 4-37	AutoCAD 4-37 Template or 8.141 Centering Plate* AutoCAD 4-39 Shaft Support or 8.142 Reference Plate* AutoCAD 4-38 Carburetor Gasket OR 4-30* AutoCAD 4-36 Gasket <b>TGC Read Chapter 8.1-8.5,8.10-8.11, 8-12.1 Engineering Geometry and Construction READING PARTICIPATION ASSIGNMENT ONLINE DUE 8/28</b>
	8/24	<b>Ascent Chapter 7 - Organizing Your Drawing with Layers</b> TEMPLATES SESSION 1 - Introduction / Layers	
3	8/28	Review Chapter 8	AutoCAD 4-46 Reel Slide or 8.149 Multi Port*
	8/29	Quiz Chapter 8	
	8/30	<b>Ascent Chapter 8 - Advanced Object Types</b>	AutoCAD 5-31 Adjustable Fork or 8.148 Harness Guide* AutoCAD 8-100 Gasket AutoCAD Third Angle Projection Symbol AutoCAD Title Block ANSI A AutoCAD Title Block ANSI B AutoCAD Title Block ANSI C AutoCAD Title Block ANSI D AutoCAD Title Block ARCH D AutoCAD 8.151 Filter (p393) <b>TGC Read Chapter 10 Multiview Drawings READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/5</b>
	8/31	<b>Ascent Chapter 9 - Getting Information from your Drawing</b>	
4	9/4	HOLIDAY - LABOR DAY	

9/5	Review Chapter 10 Multiview Drawings	AutoCAD 5-32 Rocker Arm or 8-89 Bracket* AutoCAD 6-80 Adjusting Guide or 6-81 Flanged Support* AutoCAD 6-85 Angle Block AutoCAD 6-86 Base Plate or 6-89 Base* Handout 5.55 Surface Match p171 SEPTEMBER MEETING
9/6	Quiz Chapter 10	
9/7	Lab Day	<b>TGC Read Chapter 13 Auxiliary Views</b> <b>READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/13</b>
5	9/11 <b>Ascent Chapter 11 - Advanced Editing Commands</b>	TGC p293 Problem 7.2 Multiview sketching problems 1-11 odd on graph paper
	9/12 <b>Ascent Chapter 12 - Inserting Blocks</b> TEMPLATES SESSION 2 - Blocks	ASCENT - Practice 12A
		<i>Note - for ASCENT Practice 12A: Landscaping.dwg location:</i>
9/13	Review Chapter 13 Auxiliary Views <b>Ascent Chapter 27 - Creating Templates</b> TEMPLATES SESSION 2 - Blocks Continued	7-43 Angle Bracket or 13.22 Auto Stop* 7-46 Cross Slide Bracket or 8-19* 7-53 Connecting Bar (Extra Credit) 7-58 Hexagon Slot Support 7-59 Dovetail Bracket 7-60 Pivot Arm (Extra Credit) TGC p294 Problem 7.2 Multiview sketching problems 13-23 odd on graph paper
9/14	Quiz Chapter 13 <b>Ascent Chapter 14 - Setting Up a Layout</b> <b>Ascent Chapter 15 - Printing Your Drawing</b> TEMPLATES SESSION 3 - Layouts and Border	TGC p295 Problem 7.2 Multiview sketching problems 25-35 odd on graph paper
6	9/18 TEMPLATES SESSION 4 - Title Strip Border	
9/19	<b>Ascent Chapter 29 - Annotation Styles</b> TEMPLATES SESSION 5 - Styles	TGC p296 Problem 7.2 Multiview sketching problems 37-47 odd on graph paper
9/20	<b>Ascent Chapter 17 - Text</b> TEMPLATES SESSION 6 - Title Block Text / Key / Legend	

	9/21	<b>Ascent Chapter 17 - Tables</b> TEMPLATES SESSION 6 - Title Block Text / Key / Legend Continued	TGC p297 Problem 7.2 Multiview sketching problems 49-59 odd on graph paper
7	9/25	TEMPLATES SESSION 7 - Parts List / Revision Table <i>Note: Business Cards will be brought in as DWG XREF's (use absolute path)</i>	TGC p298 Problem 7.2 Multiview sketching problems 61-71 odd on graph paper Handout TGC p548 Problem 10.4 Two-View drawings of several objects 1-11 odd <b>TGC Read Chapter 17.1-17.4</b> <b>Dimensioning and Tolerancing Practices</b> <b>READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/27</b>
	9/26	TEMPLATES SESSION 8 - Templates Completed <i>Notes: Reminder that Metric Template Tolerances in Title Strip are different than Imperial.</i>	
	9/27	Review Chapter 17.1 - 17.4 Dimensioning and Tolerancing Practices	Handout TGC p549 Problem 10.4 Two-View drawings of several objects 13-23 odd
	9/28	Quiz Chapter 17.1 - 17.4 <b>Ascent Chapter 28 - Advanced Layouts</b>	Handout TGC p550 Problem 10.4 Two-View drawings of several objects 25-36 odd ASCENT - Practice 28A ASCENT - Practice 28B <b>TGC Read Chapter 16 Section Views</b> <b>READING PARTICIPATION ASSIGNMENT ONLINE DUE 10/4</b>
8	10/2	<b>Ascent Chapter 19 - Adding Dimensions</b> Demo 8-100	AutoCAD 8-100 Gasket Working Drawing (Print) AutoCAD 8-83 Adjustable Table Support Working Drawing or 8-86 Adjustable Sector* (Visual Check-Off)
	10/3	Demo 8-100 Continued	Handout TGC p551 Problem 10.5 Three incomplete views of multiview drawing of an object 1-11 odd

10/4	Review Chapter 16 <b>Ascent Chapter 18 - Hatching</b>	Handout TGC p552 Problem 10.5 Three incomplete views of multiview drawing of an object 13-23 odd AutoCAD 9-35 Shaft Base Working Drawing with 3D Cover Page AutoCAD 9-39 Casing Working Drawing with 3D Cover Page ANSI B Scale 1:2 ASCENT - Practice 18B
10/5	Quiz Chapter 16 <b>Ascent Chapter 21 - Working Effectively with AutoCAD</b>	
9	10/9	<i>College closed due to fires.</i>
	10/10	<i>College closed due to fires.</i>
	10/11	<i>College closed due to fires.</i>
	10/12	<i>College closed due to fires.</i>
10	10/16	<i>College closed due to fires.</i>
	10/17	<i>College closed due to fires.</i>
	10/18	<i>College closed due to fires.</i>
	10/19	<i>College closed due to fires.</i>
11	10/23 Ascent Chapter 22 - Accurate Positioning	
	10/24 Ascent Chapter 24 - Parametric Drawing	
	10/25 Ascent Chapter 25 - Working With Blocks	AutoCAD 8-72 Template as XREF Working Drawing Imperial - ANSI B Scale 1:1 Visual Checkoff AutoCAD 9-51 Caster WD with 3D AutoCAD - ANSI B Scale 1:2 <b>TGC Read Chapter 17.5-17.9 Tolerancing Practices</b> <b>READING PARTICIPATION ASSIGNMENT ONLINE DUE 11/1</b>
	10/26 Ascent Chapter 31 - External References	
12	10/30 Lab Day	AutoCAD 8-72 Template as XREF Working Drawing Revised Imperial - ANSI D Scale 2:1 (see instructor) Visual Checkoff
	10/31 Quiz Ascent Courseware Autodesk Certificate	AutoCAD 9-51 Caster Working Drawing with 3D Imperial - ANSI D Scale 1:1 Visual Checkoff
	11/1 Review Chapter 17.5-17.9 Tolerancing Practices	NOVEMBER MEETING

	11/2	Quiz Chapter 17.5-17.9 AutoCAD 3D Modeling Tools Solids vs. Surfaces, Visual Styles, 3D Space	
13	11/6	AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union	
	11/7	AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union (Continued) Face Extrude, Push Pull	
	11/8	AutoCAD 3D Modeling Tools 3D Layouts and Annotations	AutoCAD 9-39 Casing Working Drawing with 3D Cover Page ANSI D Scale 1:1 Visual Checkoff
	11/9	Demo Reverse Engineering	AutoCAD Reverse Engineering: 9-37 Slide Bracket - Imperial Printed part is actual size Working Drawing with 3D
14	11/13	Inventor Overview, Project Setup, Parts	Inventor 9-51 Caster Working Drawing
	11/14	Inventor Parts (Continued)	
	11/15	Inventor Parts (Continued) Sheet Metal Video will be available online	
	11/16	Inventor Assemblies	
15	11/20	Inventor Presentations	
	11/21	Inventor Drawings	
	11/22	Inventor Drawings (Continued)	
	11/23	HOLIDAY - THANKSGIVING RECESS	
16	11/27	Inventor Review Inventor Trolley Demo - Instructor to go through entire project at instructor speed, recorded for student review.	Inventor 14-83 Trolley Working Drawing
	11/28	Lab Day	
	11/29	Inventor Quiz	
	11/30	Lab Day	
17	12/4	Inventor Templates Imperial (Watch online video lecture)	

	12/5	Inventor Templates Metric (Watch online video lecture)
	12/6	Inventor Drawing Resource Transfer Wizard 14-83 Sub-Assemblies and Bill of Materials (BOM) (Watch online video lecture)
	12/7	Lab Day
18	12/12	Review for Final
	12/13	Lab Day
	12/14	Lab Day
	12/15	FINAL EXAMINATION 8:00 a.m. - 10:00 a.m.

\* 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 10/21/2017 GJS v2.0*