



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 120 FALL 2017

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707-256-7526

| WEEK | DAY | LECTURE | ASSIGNMENT |
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| Note: Schedule may be changed to accommodate Open - Day Autodesk Certified Professional Exam | | | |
| 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) TGC Read 5.1-5.6, 5.8-5.10 Design Visualization |
| | 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 TGC Read Chapter 6 Technical Drawing Tools |
| | 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 Ascent Chapter 1 - Getting Started with AutoCAD Scales (continued) | TGC Read Chapter 7.1-7.9, 7.11-7.12 Sketching and Text READING PARTICIPATION ASSIGNMENT ONLINE DUE 8/22 |
| 2 | 8/21 | Ascent Chapter 2 - Basic Drawing & Editing Commands Ascent Chapter 4 - Drawing Precision in AutoCAD | ASCENT - Practice 2A |

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| | 8/22 | Quiz Review Chapter 7 and Linetypes Ascent Chapter 5 - Making Changes in Your Drawing | 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 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 |
| | 8/24 | Ascent Chapter 7 - Organizing Your Drawing with Layers 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 | Ascent Chapter 8 - Advanced Object Types | 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) TGC Read Chapter 10 Multiview Drawings READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/5 |
| | 8/31 | Ascent Chapter 9 - Getting Information from your Drawing | |
| 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 | |

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| | 9/7 | Lab Day | TGC Read Chapter 13 Auxiliary Views READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/13 |
| 5 | 9/11 | Ascent Chapter 11 - Advanced Editing Commands | TGC p293 Problem 7.2 Multiview sketching problems 1-11 odd on graph paper |
| | 9/12 | Ascent Chapter 12 - Inserting Blocks TEMPLATES SESSION 2 - Blocks | ASCENT - Practice 12A |
| <i>Note - for ASCENT Practice 12A: Landscaping.dwg location: C:\Program Files\Autodesk\AutoCAD 2017\Sample\en-us\DesignCenter\Landscaping.dwg</i> | | | |
| | 9/13 | Review Chapter 13 Auxiliary Views Ascent Chapter 27 - Creating Templates 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 Ascent Chapter 14 - Setting Up a Layout Ascent Chapter 15 - Printing Your Drawing 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 | Ascent Chapter 29 - Annotation Styles TEMPLATES SESSION 5 - Styles | TGC p296 Problem 7.2 Multiview sketching problems 37-47 odd on graph paper |
| | 9/20 | Ascent Chapter 17 - Text TEMPLATES SESSION 6 - Title Block Text / Key / Legend | |
| | 9/21 | Ascent Chapter 17 - Tables TEMPLATES SESSION 6 - Title Block Text / Key / Legend Continued | TGC p297 Problem 7.2 Multiview sketching problems 49-59 odd on graph paper |

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| 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 TGC Read Chapter 17.1-17.4 Dimensioning and Tolerancing Practices READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/27 |
| | 9/26 | TEMPLATES SESSION 8 - Templates Completed <i>Notes: Reminder that Metric Template Tolerances in Title Strip are different than Imperial. Global Command Variables: FacetRes and Image Frame Centermark Global Settings Metric Template has Metric Symbol</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 Ascent Chapter 28 - Advanced Layouts | Handout TGC p550 Problem 10.4 Two-View drawings of several objects 25-36 odd ASCENT - Practice 28A ASCENT - Practice 28B TGC Read Chapter 16 Section Views READING PARTICIPATION ASSIGNMENT ONLINE DUE 10/4 |
| 8 | 10/2 | Ascent Chapter 19 - Adding Dimensions 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) OCTOBER MEETING |
| | 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 Ascent Chapter 18 - Hatching | 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 Ascent Chapter 21 - Working Effectively with AutoCAD | |

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| 9 | 10/9 | Ascent Chapter 22 - Accurate Positioning | |
| | 10/10 | Ascent Chapter 24 - Parametric Drawing | ASCENT - Practice 24A |
| | 10/11 | Ascent Chapter 25 - Working With Blocks | ASCENT - Practice 25A |
| | 10/12 | Ascent Chapter 31 - External References | 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 TGC Read Chapter 17.5-17.9 Tolerancing Practices READING PARTICIPATION ASSIGNMENT ONLINE DUE 10/18 |
| 10 | 10/16 | Lab Day | AutoCAD 8-72 Template as XREF Working Drawing Revised Imperial - ANSI D Scale 2:1 (see instructor) Visual Checkoff |
| | 10/17 | Quiz Ascent Courseware Autodesk Certificate | AutoCAD 9-51 Caster Working Drawing with 3D Imperial - ANSI D Scale 1:1 Visual Checkoff |
| | 10/18 | Review Chapter 17.5-17.9 Tolerancing Practices | |
| | 10/19 | Quiz Chapter 17.5-17.9 AutoCAD 3D Modeling Tools Solids vs. Surfaces, Visual Styles, 3D Space | |
| 11 | 10/23 | AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union | |
| | 10/24 | AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union (Continued) Face Extrude, Push Pull | |
| | 10/25 | 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 |
| | 10/26 | Demo Reverse Engineering | AutoCAD Reverse Engineering: 9-37 Slide Bracket - Imperial Printed part is actual size Working Drawing with 3D |
| 12 | 10/30 | Inventor Overview, Parts | Inventor 9-51 Caster Working Drawing |
| | 10/31 | Inventor Parts (Continued) | |
| | 11/1 | Inventor Parts (Continued) and 14-90 Sheet Metal Bracket | NOVEMBER MEETING |
| | 11/2 | Inventor Assemblies | |
| 13 | 11/6 | Inventor Presentations | |
| | 11/7 | Inventor Drawings | Inventor 14-90 Caster Working Drawing |
| | 11/8 | Inventor Drawings (Continued) | |

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| | 11/9 | Lab Day | |
| 14 | 11/13 | Inventor Review Inventor Trolley Demo - Instructor to go through entire project at instructor speed, recorded for student review. | |
| | 11/14 | Lab Day | |
| | 11/15 | Inventor Quiz | Inventor 14-83 Trolley Working Drawing |
| | 11/16 | Lab Day | |
| 15 | 11/20 | Inventor Templates Imperial | |
| | 11/21 | Inventor Templates Metric | |
| | 11/22 | Inventor Drawing Resource Transfer Wizard 14-83 Sub-Assemblies and Bill of Materials (BOM) | |
| | 11/23 | HOLIDAY - THANKSGIVING RECESS | |
| 16 | 11/27 | Lab Day | |
| | 11/28 | Lab Day | |
| | 11/29 | Lab Day | |
| | 11/30 | Lab Day | |
| 17 | 12/4 | Lab Day | |
| | 12/5 | Lab Day | |
| | 12/6 | Lab Day | |
| | 12/7 | Review for Final | |
| 18 | 12/12 | 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 6/7/2017 GJS v1.0