



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 120 FALL 2019

www.ddgt.net

707-256-7526

| WEEK | DAY | LECTURE | ASSIGNMENT |
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| 1 | 8/14 | <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 | <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</p> |
| | 8/15 | <p>Review of Chapter 5.1-5.6, 5.8-5.10 Design Visualization</p> <p>Windows File Management</p> <p>Passwords File</p> <p>Canvas Overview / Email Setup</p> <p>Dust Day</p> | <p>This assignment consists of four parts:</p> <ul style="list-style-type: none">(1) Handout 5.52 Match objects with target shapes p168(2) Handout 5.53 Match objects with target shapes p169(3) Handout 5.54 P or Q p170(4) Handout 5.62 Match Objects <p>TGC Read Chapter 6 Technical Drawing Tools</p> |
| 2 | 8/19 | <p>Review Chapter 6 Technical Drawing Tools</p> <p>Scales - Metric</p> | <p>This assignment consists of four parts:</p> <ul style="list-style-type: none">(1) Architect Fractional Inch vs Engineer Decimal Inch(2) Handout Problem 6.5 Reading metric scales p225(3) Handout Problem 6.6 Reading engineer's scales p226(4) Handout Problem 6.7 Reading architect's scales p227 |
| | 8/20 | <p>Quiz Chapters 5 and 6</p> <p>Ascent Chapter 1 - Getting Started with AutoCAD</p> <p>Scales - Architectural</p> | <p>TGC Read Chapter 7.1-7.9, 7.11-7.12 Sketching and Text</p> <p>READING PARTICIPATION ASSIGNMENT ONLINE DUE 8/22</p> |

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| | 8/21 | Ascent Chapter 2 - Basic Drawing & Editing Commands Ascent Chapter 4 - Drawing Precision in AutoCAD Scales - Engineering Scales - Architect vs Engineer | ASCENT - Practice 2A |
| | 8/22 | Quiz Review Chapter 7 and Linetypes Ascent Chapter 5 - Making Changes in Your Drawing + Offset and Align Handout: 1-23 Scales | Handout 1-23 Scales ASCENT - Practice 5B |
| 3 | 8/26 | Quiz Chapter 7 and Linetypes Demo 4-37 | 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 |
| | 8/27 | Ascent Chapter 7 - Organizing Your Drawing with Layers TEMPLATES SESSION 1 - Introduction / Layers | SINGLE VIEW DRAWINGS: 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 AutoCAD 4-46 Reel Slide or 8.149 Multi Port* AutoCAD 5-31 Adjustable Fork or 8.148 Harness Guide* AutoCAD 8-100 Gasket AutoCAD Third Angle Projection Symbol (Watch Online Video) AutoCAD Title Block ANSI A (Watch Online Video) AutoCAD Title Block ANSI B (Watch Online Video) AutoCAD Title Block ANSI C (Watch Online Video) AutoCAD Title Block ANSI D (Watch Online Video) AutoCAD Title Block ARCH D (Watch Online Video) AutoCAD 8.151 Filter (p393) |
| | 8/28 | Review Chapter 8 | |
| | 8/29 | Quiz Chapter 8 Demo 4-36 | TGC Read Chapter 10 Multiview Drawings READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/4 |

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| 4 | 9/2 | HOLIDAY - LABOR DAY | |
| | 9/3 | Ascent Chapter 8 - Advanced Object Types | SEPTEMBER MEETING |
| | 9/4 | Review Chapter 10 Multiview Drawings | MULTI-VIEW 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* |
| | 9/5 | Quiz Chapter 10 Ascent Chapter 9 - Getting Information from your Drawing | Handout 5.55 Surface Match p171 TGC p293 Problem 7.2 Multiview sketching problems 1-11 odd on graph paper |
| 5 | 9/9 | Ascent Chapter 11 - Advanced Editing Commands | TGC Read Chapter 13 Auxiliary Views READING PARTICIPATION ASSIGNMENT ONLINE DUE 9/11 |
| | 9/10 | Ascent Chapter 12 - Blocks TEMPLATES SESSION 2 - Blocks 3rd Angle Projection and Metric Symbols Titleblocks | ASCENT - Practice 12A TGC p294 Problem 7.2 Multiview sketching problems 13-23 odd on graph paper |
| | | | Note - for ASCENT Practice 12A: Landscaping.dwg location: C:\Program Files\Autodesk\AutoCAD 2020\Sample\en-us\DesignCenter\Landscaping.dwg |
| | 9/11 | Review Chapter 13 Auxiliary Views Ascent Chapter 27 - Creating Templates TEMPLATES SESSION 2 - Blocks Continued | AUXILIARY VIEW DRAWINGS: 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) |
| | 9/12 | Quiz Chapter 13 Lab Day | |
| 6 | 9/16 | Lab Day | |

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| | 9/17 | Ascent Chapter 14 - Setting Up a Layout Ascent Chapter 15 - Printing Your Drawing TEMPLATES SESSION 3 - Layout Tabs CTB File Creation | TGC p295 Problem 7.2 Multiview sketching problems 25-35 odd on graph paper |
| | 9/18 | TEMPLATES SESSION 4 - Title Strip Border, 3rd Angle Projection, and Metric Symbols | |
| | 9/19 | Ascent Chapter 29 - Annotation Styles TEMPLATES SESSION 5 - Styles | |
| 7 | 9/23 | Ascent Chapter 17 - Text TEMPLATES SESSION 6 - Title Block Text / Key / Legend / General Notes | 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 | TGC p297 Problem 7.2 Multiview sketching problems 49-59 odd on graph paper |
| | 9/25 | 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 | 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 |
| | 9/26 | TEMPLATES SESSION 8 - Templates Completed Notes: Reminder that Metric Template Tolerances in Title Strip are different than Imperial. | Handout TGC p548 Problem 10.4 Two-View drawings of several objects 1-11 odd |
| 8 | 9/30 | Review Chapter 17.1 - 17.4 Dimensioning Practices | Handout TGC p549 Problem 10.4 Two-View drawings of several objects 13-23 odd |
| | 10/1 | 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 |

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| 10/2 | Ascent Chapter 19 - Adding Dimensions Demo 8-100 (Video) | DIMENSIONING DRAWINGS: AutoCAD 8-100 Gasket Working Drawing (Print) 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 | | |
| 10/3 | Lab Day | Handout TGC p551 Problem 10.5 Three incomplete views of multiview drawing of an object 1-11 odd |
| 9 | 10/7 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 ASCENT - Practice 18B SECTIONING DRAWINGS: 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 |
| 10/8 | Quiz Chapter 16 Ascent Chapter 21 - Working Effectively with AutoCAD | |
| 10/9 | Ascent Chapter 22 - Accurate Positioning | |
| 10/10 | Ascent Chapter 24 - Parametric Drawing | ASCENT - Practice 24A |
| 10 | 10/14 Ascent Chapter 25 - Working With Blocks | ASCENT - Practice 25A AutoCAD 9-51 Caster WD with 3D AutoCAD - ANSI B Scale 1:2 |
| 10/15 | Ascent Chapter 31 - External References | AutoCAD 8-72 Template as XREF Working Drawing Imperial - ANSI B Scale 1:1 Visual Checkoff |
| 10/16 | Lab Day | AutoCAD 8-72 Template as XREF Working Drawing Revision 1 Imperial - ANSI D Scale 2:1 (see instructor) Visual Checkoff |

10/17 Lab Day

TGC Read Chapter 17.5-17.9 Tolerancing Practices
READING PARTICIPATION ASSIGNMENT ONLINE DUE 10/22

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| 11 | 10/21 | Quiz Ascent Courseware Autodesk Certificate DOC Folder / Certificates / Username + Password | 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 | |
| | 10/23 | Quiz Chapter 17.5-17.9 AutoCAD 3D Modeling Tools Solids vs. Surfaces, Visual Styles, 3D Space | |
| | 10/24 | AutoCAD 3D Modeling Tools Revolve, Extrude, Subtract, and Union | |
| 12 | 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 | AutoCAD 9-39 Casing Working Drawing with 3D Cover Page ANSI D Scale 1:1 Visual Checkoff |
| | 10/30 | Demo Reverse Engineering | AutoCAD Reverse Engineering: 9-37 Slide Bracket - Imperial Printed part is actual size Working Drawing with 3D |
| | 10/31 | Lab Day | |
| 13 | 11/4 | Inventor Overview, Project Setup, Parts | Inventor 9-51 Caster Working Drawing Inventor 14-90 Caster Working Drawing NOVEMBER MEETING |
| | 11/5 | Inventor Parts (Continued) | |
| | 11/6 | Inventor Parts (Continued) Sheet Metal Video will be available online | 23-54 Motor Support Inventor Sheet Metal |
| | 11/7 | Inventor Assemblies | |
| 14 | 11/11 | HOLIDAY - VETERANS DAY | |
| | 11/12 | Inventor Presentations | |
| | 11/13 | Inventor Drawings | |
| | 11/14 | Inventor Drawings (Continued) | |

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| 15 | 11/18 | Inventor Trolley Demo - Instructor to go through entire project at instructor speed, recorded for student review. | Inventor 14-83 Trolley Working Drawing |
| | 11/19 | Lab Day | |
| | 11/20 | Inventor Templates Imperial (Watch online video lecture) | |
| | 11/21 | Inventor Templates Metric (Watch online video lecture) | |
| 16 | 11/25 | Inventor Drawing Resource Transfer Wizard 14-83 Sub-Assemblies and Bill of Materials (BOM) (Watch online video lecture) | |
| | 11/26 | Lab Day | |
| | 11/27 | HOLIDAY - THANKSGIVING RECESS | |
| | 11/28 | HOLIDAY - THANKSGIVING RECESS | |
| 17 | 12/2 | Inventor Review | |
| | 12/3 | Inventor Quiz | |
| | 12/4 | Lab Day | |
| | 12/5 | Lab Day | |
| 18 | 12/9 | Lab Day | |
| | 12/10 | Lab Day | |
| | 12/11 | Lab Day | |
| | 12/12 | Review for Final | |
| | 12/16 | Final 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 8/7/2019