



DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 240 FALL 2022

Lecture and Assignment Schedule

www.ddgt.net

707-256-7526

WEEK	DAY	LECTURE	ASSIGNMENT
1	8/15	<ul style="list-style-type: none"> - Introduction to DDGT 240 Course - Overview of Syllabi and Schedule - Kitchen Safety - A.S. Certificate and Certificate of Achievement Requirements / Curriculum Training / Online Catalog - Petition to Graduate This Semester by OCTOBER - Canvas / Email Setup / Email Forwarding - Phone App - Autodesk Certified Professional Exam Descriptions - Dropbox Submission Setup - Software Installation: 3ds Max and Adobe Premiere - Windows File Management (Machine Vise - Project Based, not Software Based) - Submit Reading Handouts - Assignment Descriptions - AutoCAD and Inventor Template Updates 	<ul style="list-style-type: none"> #1 - Signed Syllabus #2 - Signed Kitchen Safety Bring in a 2" Binder START ON THE FOLLOWING ASSIGNMENTS - VISUAL CHECKOFFS. #3 - XREF Terminal Board WD V1 DUE 8/25 #4 - AutoCAD 16-213 Stand (Online) XREF WD ANSI B, SCALE 1:2 DUE 8/25 #5 - Inventor 16-217 Stand (Online) WD DUE 8/25 #6 - Inventor 16-218 Cutoff Stop (Online) WD DUE 8/25 #7 - Inventor 16-221 Spacer (Online) WD DUE 8/25

8/16	Reverse Engineering: Journal Bearing Assignment Description OR V-Block Assignment Description (NOTE: Reverse Engineering Parts DO NOT leave the classroom)	#72 - AutoCAD Reverse Engineering - Part I Working Drawing with 3D DUE 11/17 #76 - AutoCAD Reverse Engineering - Part II Working Drawing with 3D with revisions (see instructor) DUE 12/8
8/17	Scales Review	#8 - Architectural Scale Handout DUE 8/25 #9 - Engineering Scale Handout DUE 8/25 #10 - Metric Scale Handout DUE 8/25
8/18	Revision Table Requirements Review: AutoCAD Revision Tools Review: Inventor Revision Tools Review: Inventor Content Center - Structural Elements Demo	#11 - Inventor 18-43 Slide Bracket (Online) WD DUE 9/1 #12 - Inventor 18-44 Caster Frame (Online) WD DUE 9/1 #13 - Inventor 18-49 Connecting Link WD DUE 9/1
2	8/22 Orange Thread Modeler 14-71 Machine Vise Inventor Assignment Description Machine Vise Thread Driven Rotation/Translational Constraint	#38 - Inventor 14-71 Machine Vise WD - Part I DUE 10/3 - Hard Deadline #51 - Inventor 14-71 Machine Vise WD Revisions - Part II DUE 10/10
8/23	Networking Tools Lecture	
8/24	Networking Tools Lecture	CANVAS QUIZ 1 - Networking Tools DUE 8/31
8/25	Assignment Visual Checkoffs	#14 - XREF Terminal Board WD V2 DUE 9/1
3	8/29 3ds Max Design Ascent Courseware Chapter 1	#15 - 3ds Max Exercises 1A DUE 9/22 #16 - 3ds Max Exercises 1B DUE 9/22
8/30	3ds Max Design Ascent Courseware Chapter 2	#17 - 3ds Max Exercises 2A DUE 9/22 #18 - 3ds Max Exercises 2B DUE 9/22 #19 - 3ds Max Exercises 2C DUE 9/22 #20 - 3ds Max Exercises 2D DUE 9/22
8/31	3ds Max Design Ascent Courseware Chapter 3	#21 - 3ds Max Exercises 3A DUE 9/22 #22 - 3ds Max Exercises 3B DUE 9/22 #23 - 3ds Max Exercises 3C DUE 9/22 #24 - 3ds Max Exercises 3D DUE 9/22

	9/1	Assignment Visual Checkoffs	#25 - SEPTEMBER MEETING
4	9/5	HOLIDAY - LABOR DAY	
	9/6	3ds Max Design Ascent Courseware Chapter 4	#26 - 3ds Max Exercises 4A DUE 9/29 #27 - 3ds Max Exercises 4B DUE 9/29 #28 - 3ds Max Exercises 4C DUE 9/29 #29 - 3ds Max Exercises 4D DUE 9/29 #30 - 3ds Max Exercises 4E DUE 9/29 #31 - 3ds Max Exercises 4F DUE 9/29
	9/7	3ds Max Design Ascent Courseware Chapter 5	#32 - 3ds Max Exercises 5A DUE 9/29 #33 - 3ds Max Exercises 5B DUE 9/29 #34 - 3ds Max Exercises 5C DUE 9/29 #35 - 3ds Max Exercises 5D DUE 9/29 #36 - 3ds Max Exercises 5E DUE 9/29 #37 - 3ds Max Exercises 5F DUE 9/29
	9/8	Lab Day	
5	9/12	3ds Max Design Ascent Courseware Chapter 6	#39 - 3ds Max Exercises 6A DUE 10/6 #40 - 3ds Max Exercises 6B DUE 10/6 #41 - 3ds Max Exercises 6C DUE 10/6 #42 - 3ds Max Exercises 6D DUE 10/6 #43 - 3ds Max Exercises 6E DUE 10/6 #44 - 3ds Max Exercises 6F DUE 10/6
	9/13	3ds Max Design Ascent Courseware Chapter 7	#45 - 3ds Max Exercises 7A DUE 10/6 #46 - 3ds Max Exercises 7B DUE 10/6 #47 - 3ds Max Exercises 7C DUE 10/6 #48 - 3ds Max Exercises 7D DUE 10/6
	9/14	3ds Max Design Ascent Courseware Chapter 8	#49 - 3ds Max Exercises 8A DUE 10/6 #50 - 3ds Max Exercises 8B DUE 10/6
	9/15	Lab Day	
6	9/19	3ds Max Design Ascent Courseware Chapter 9	#52 - Max Exercises 9A DUE 10/13 #53 - Max Exercises 9B DUE 10/13 #54 - Max Exercises 9C DUE 10/13

	9/20	3ds Max Design Ascent Courseware Chapter 10	#55 - 3ds Max Exercises 10A DUE 10/13 #56 - 3ds Max Exercises 10B DUE 10/13 #57 - 3ds Max Exercises 10C DUE 10/13 #58 - 3ds Max Exercises 10D DUE 10/13 #59 - 3ds Max Exercises 10E DUE 10/13
	9/21	3ds Max Design Ascent Courseware Chapter 11	#60 - 3ds Max Exercises 11A DUE 10/13 #61 - 3ds Max Exercises 11B DUE 10/13 #62 - 3ds Max Exercises 11C DUE 10/13 #63 - 3ds Max Exercises 11D DUE 10/13
	9/22	Vimeo Account Setup	
7	9/26	Premiere Theory I	#64 - Inventor 20.69 - Engine Model (Online) With CoolOrange Threads - WORKING DRAWING DUE 10/27
	9/27	Premiere Theory II	
	9/28	Premiere Application: Project Management (Windows), Software Interface Importing Media, Bin Organization, Timeline, Multiple Video and Audio Tracks	
	9/29	Premiere Application: Transitions, Titles, Keyframe Animation, Audio Tracks and Keyframing, and Rendering	#65 - Gunsmoke Video: Include: Opening Titles, Logo, Video, Sound Effects, Closing Credits with Contact Info DUE 10/27
8	10/3	Watch and follow: "Machine Vise Part I - Assembly" (8:02:40) and "Machine Vise Part II - Exploded Assembly" (7:14:53) Videos on department website.	#66 - OCTOBER MEETING DUE 10/31 #67 - 3ds Max 14-71 Presentational Video Video to include Opening Titles, Logo, Video, Audio, Closing Credits with Contact Info. Post on your website on a separate page dedicated to the project. Include on website: video, images, text description, and pdf drawing sheet set. DUE 11/14
	10/4	Work on Machine Vise animation	
	10/5	Work on Machine Vise animation	
	10/6	Work on Machine Vise animation	
9	10/10	Work on Machine Vise animation	
	10/11	Work on Machine Vise animation	

	10/12	Work on Machine Vise animation	
	10/13	Work on Machine Vise animation	
10	10/17	Work on Machine Vise animation	
	10/18	Work on Machine Vise animation	
	10/19	Work on Machine Vise animation	
	10/20	Website Update 14-71 Machine Vise Presentation Uploading Video to Vimeo and placing on website.	
11	10/24	3ds Max Engine Model Demonstration: Linking, Rigging, and Bones (Video available online: "DDGT240 2016.11.22 Engine Rigging in 3ds Max" or "DDGT240 2015.12.01 3ds Max Engine Block Rigging")	#80 - 20.69 - Engine Model (Online) Presentational Video Video to include Opening Titles, Logo, Video, Audio, Closing Credits with Contact Info. Post on your website on a separate page dedicated to the project. Include on website: video, images, text description, and pdf drawing sheet set. DUE 12/8
	10/25	Lab Day	
	10/26	Lab Day	
	10/27	3ds Max Review	CANVAS QUIZ 2 - ASCENT Courseware DUE 11/3
12	10/31	Autodesk Certificate of Training	CANVAS DISCUSSION 1 - TGC Read Chapter 18.1 - 18.7.7 + 18.11 - Geometric Dimensioning and Tolerancing (GDT) and handout. DUE 11/7
	11/1	Engine Model Project Setup for 3D Printer	#73 - Engine Model for 3D Printer DUE 12/5 #74 - NOVEMBER MEETING DUE 11/30
	11/2	Inventor Engine Model Setup for 3ds Max (Video available online)	
	11/3	Premiere Review	CANVAS QUIZ 3 - Premiere DUE 11/10

- 13 11/7 Review Chapter 18.1 - 18.7.7 + 18.11 - Geometric Dimensioning and Tolerancing (GDT) and handout.
- ADD GD&T TO THE FOLLOWING ASSIGNMENTS:
 #68 - AutoCAD 16-213 Stand (Online) XREF WD
 ANSI B, SCALE 1:2 **DUE 11/17**
 #69 - Inventor 16-217 Stand (Online) WD **DUE 11/17**
 #70 - Inventor 16-218 Cutoff Stop (Online) WD **DUE 11/17**
 #71 - 16-221 Spacer (Online) WD **DUE 11/17**

CANVAS DISCUSSION 2 -

**TGC Read Chapter 22 Mechanisms:
 Gears, Cams, Bearings, and Linkages
 Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels
 DUE 11/14**

11/8 Review GD&T

11/9 Review GD&T

11/10 Review GD&T
 GD&T Assignment Examples

**CANVAS QUIZ 4 - GD+T
 DUE 11/17**

CANVAS DISCUSSION 1 - FOLLOW UP

**TGC Chapter 18.1 - 18.7.7 + 18.11 - Geometric
 Dimensioning and Tolerancing (GDT) and handout.
 DUE 11/17**

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- 14 11/14 Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages
 Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels

11/15 Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages
 Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels
 (Continued)

	11/16	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)	
	11/17	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)	<p>CANVAS QUIZ 5 - TGC Chapter 22 Mechanisms DUE 11/28</p> <p>CANVAS DISCUSSION 2 - FOLLOW UP TGC Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels DUE 11/28</p>
15	11/21	DDGT241 Final Project Story Outline Description	<p>#75 - Outline DUE 12/8</p> <p>CANVAS DISCUSSION 3 - SUPPLEMENTARY HANDOUT Read 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants DUE 11/28</p>
	11/22	Lab Day	
	11/23	HOLIDAY - THANKSGIVING RECESS	
	11/24	HOLIDAY - THANKSGIVING RECESS	
16	11/28	Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants	<p>CANVAS DISCUSSION 4 - TGC Read Chapter 25 - Welding Drawings DUE 12/5</p>

	11/29	Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants (Continued)	
	11/30	Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants (Continued)	
	12/1	Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants (Continued)	<p>CANVAS QUIZ 6 - Supplementary Handouts DUE 12/8</p> <p>CANVAS DISCUSSION 3 - FOLLOW UP SUPPLEMENTARY HANDOUT 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants DUE 12/8</p>
17	12/5	Review Chapter 25 - Welding Drawings	
	12/6	Review Chapter 25 - Welding Drawings (Continued)	<p>ADD WELDING SYMBOLOGY TO THE FOLLOWING ASSIGNMENTS:</p> <p>#77 - 18-43 Slide Bracket Inventor WD DUE 12/8 #78 - 18-44 Caster Frame Inventor WD DUE 12/8 #79 - 18-49 Connecting Link Inventor WD DUE 12/8</p> <p>CANVAS QUIZ 7 - TGC Chapter 25 Welding DUE 12/12</p> <p>CANVAS DISCUSSION 4 - FOLLOW UP TGC Chapter 25 - Welding Drawings DUE 12/12</p>
	12/7	DDGT241 Outline Review	
	12/8	Review for Final	
18	12/12	7:30 - 9:30am	

The instructor reserves the right to change the schedule at anytime.

Revised 6/12/2022 GS v1.0