



**DIGITAL DESIGN GRAPHICS TECHNOLOGY - DDGT 240 FALL 2020**

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

707-256-7526

WEEK	DAY	LECTURE	ASSIGNMENT
1	8/17	<ul style="list-style-type: none"><li>- Introduction to DDGT 240 Course</li><li>- Overview of Syllabi and Schedule</li><li>- Kitchen Safety</li><li>- A.S. Certificate and Certificate of Achievement Requirements / Curriculum Training / Online Catalog</li><li>- <b>Petition to Graduate This Semester by OCTOBER</b></li><li>- Canvas / Email Setup / Email Forwarding</li><li>- Autodesk Certified Professional Exam Descriptions</li> <li>- Windows File Management (Machine Vise - Project Based, not Software Based)</li><li>- Submit Reading Handouts</li><li>- Assignment Descriptions</li><li>- AutoCAD and Inventor Template Updates</li></ul>	<ul style="list-style-type: none"><li>#1 - Signed Syllabus</li><li>#2 - Signed Kitchen Safety</li> <li>Bring in a 2" Binder</li><li><b>START ON THE FOLLOWING ASSIGNMENTS - VISUAL CHECKOFFS.</b></li><li>#3 - XREF Terminal Board WD V1 <b>DUE 8/27</b></li><li>#4 - AutoCAD 16-213 Stand (Online) XREF WD ANSI B, SCALE 1:2 <b>DUE 8/27</b></li><li>#5 - Inventor 16-217 Stand (Online) WD <b>DUE 8/27</b></li><li>#6 - Inventor 16-218 Cutoff Stop (Online) WD <b>DUE 8/27</b></li><li>#7 - Inventor 16-221 Spacer (Online) WD <b>DUE 8/27</b></li></ul>
8/18		Reverse Engineering: Journal Bearing Assignment Description (NOTE: Reverse Engineering Parts DO NOT leave the classroom)	<ul style="list-style-type: none"><li>#72 - AutoCAD Reverse Engineering: Journal Bearing - Part I Working Drawing with 3D <b>DUE 11/19</b></li> <li>#77 - AutoCAD Reverse Engineering: Journal Bearing - Part II Working Drawing with 3D with revisions (see instructor) <b>DUE 12/10</b></li></ul>

8/19	Scales Review	#8 - Architectural Scale Handout <b>DUE 8/27</b> #9 - Engineering Scale Handout <b>DUE 8/27</b> #10 - Metric Scale Handout <b>DUE 8/27</b>
8/20	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 <b>DUE 9/3</b> #12 - Inventor 18-44 Caster Frame (Online) WD <b>DUE 9/3</b>
2	8/24 Orange Thread Modeler 14-71 Machine Vise Inventor Assignment Description Machine Vise Thread Driven Rotation/Translational Constraint	#37 - Inventor 14-71 Machine Vise WD - Part I <b>DUE 10/5 - Hard Deadline</b> #50 - Inventor 14-71 Machine Vise WD Revisions - Part II <b>DUE 10/12</b>
8/25	Networking Tools Lecture	
8/26	Networking Tools Lecture	
8/27	Quiz: Network Tools Assignment Visual Checkoffs	#13 - XREF Terminal Board WD V2 <b>DUE 9/3</b>
<b>3ds Max Design Ascent Courseware Chapter 1 DUE 8/31</b>		
3	8/31 <b>3ds Max Design Ascent Courseware Chapter 1</b>	#14 - 3ds Max Exercises 1A <b>DUE 9/24</b> #15 - 3ds Max Exercises 1B <b>DUE 9/24</b>
<b>3ds Max Design Ascent Courseware Chapter 2 DUE 9/1</b>		
9/1	<b>3ds Max Design Ascent Courseware Chapter 2</b>	#24 - SEPTEMBER MEETING #16 - 3ds Max Exercises 2A <b>DUE 9/24</b> #17 - 3ds Max Exercises 2B <b>DUE 9/24</b> #18 - 3ds Max Exercises 2C <b>DUE 9/24</b> #19 - 3ds Max Exercises 2D <b>DUE 9/24</b>
<b>3ds Max Design Ascent Courseware Chapter 3 DUE 9/2</b>		
9/2	<b>3ds Max Design Ascent Courseware Chapter 3</b>	#20 - 3ds Max Exercises 3A <b>DUE 9/24</b> #21 - 3ds Max Exercises 3B <b>DUE 9/24</b> #22 - 3ds Max Exercises 3C <b>DUE 9/24</b> #23 - 3ds Max Exercises 3D <b>DUE 9/24</b>

9/3 Lab Day

Assignment Visual Checkoffs

**3ds Max Design Ascent Courseware Chapter 4 DUE 9/8**

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4 9/7 HOLIDAY - LABOR DAY

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9/8 **3ds Max Design Ascent Courseware Chapter 4**

#25 - 3ds Max Exercises 4A **DUE 10/1**

#26 - 3ds Max Exercises 4B **DUE 10/1**

#27 - 3ds Max Exercises 4C **DUE 10/1**

#28 - 3ds Max Exercises 4D **DUE 10/1**

#29 - 3ds Max Exercises 4E **DUE 10/1**

#30 - 3ds Max Exercises 4F **DUE 10/1**

**3ds Max Design Ascent Courseware Chapter 5 DUE 9/9**

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9/9 **3ds Max Design Ascent Courseware Chapter 5**

#31 - 3ds Max Exercises 5A **DUE 10/1**

#32 - 3ds Max Exercises 5B **DUE 10/1**

#33 - 3ds Max Exercises 5C **DUE 10/1**

#34 - 3ds Max Exercises 5D **DUE 10/1**

#35 - 3ds Max Exercises 5E **DUE 10/1**

#36 - 3ds Max Exercises 5F **DUE 10/1**

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9/10 Lab Day

**3ds Max Design Ascent Courseware Chapter 6 DUE 9/14**

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5 9/14 **3ds Max Design Ascent Courseware Chapter 6**

#38 - 3ds Max Exercises 6A **DUE 10/8**

#39 - 3ds Max Exercises 6B **DUE 10/8**

#40 - 3ds Max Exercises 6C **DUE 10/8**

#41 - 3ds Max Exercises 6D **DUE 10/8**

#42 - 3ds Max Exercises 6E **DUE 10/8**

#43 - 3ds Max Exercises 6F **DUE 10/8**

**3ds Max Design Ascent Courseware Chapter 7 DUE 9/15**

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9/15 **3ds Max Design Ascent Courseware Chapter 7**

#44 - 3ds Max Exercises 7A **DUE 10/8**

#45 - 3ds Max Exercises 7B **DUE 10/8**

#46 - 3ds Max Exercises 7C **DUE 10/8**

#47 - 3ds Max Exercises 7D **DUE 10/8**

**3ds Max Design Ascent Courseware Chapter 8 DUE 9/16**

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9/16 **3ds Max Design Ascent Courseware Chapter 8**

#48 - 3ds Max Exercises 8A **DUE 10/8**

#49 - 3ds Max Exercises 8B **DUE 10/8**

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	9/17	Lab Day		<b>3ds Max Design Ascent Courseware Chapter 9 DUE 9/21</b>
6	9/21	<b>3ds Max Design Ascent Courseware Chapter 9</b>		#51 - Max Exercises 9A <b>DUE 10/15</b> #52 - Max Exercises 9B <b>DUE 10/15</b> #53 - Max Exercises 9C <b>DUE 10/15</b>
	9/22	<b>3ds Max Design Ascent Courseware Chapter 10</b>		<b>3ds Max Design Ascent Courseware Chapter 10 DUE 9/22</b> #54 - 3ds Max Exercises 10A <b>DUE 10/15</b> #55 - 3ds Max Exercises 10B <b>DUE 10/15</b> #56 - 3ds Max Exercises 10C <b>DUE 10/15</b> #57 - 3ds Max Exercises 10D <b>DUE 10/15</b> #58 - 3ds Max Exercises 10E <b>DUE 10/15</b>
	9/23	<b>3ds Max Design Ascent Courseware Chapter 11</b>		<b>3ds Max Design Ascent Courseware Chapter 11 DUE 9/23</b> #59 - 3ds Max Exercises 11A <b>DUE 10/15</b> #60 - 3ds Max Exercises 11B <b>DUE 10/15</b> #61 - 3ds Max Exercises 11C <b>DUE 10/15</b> #62 - 3ds Max Exercises 11D <b>DUE 10/15</b> #63 - 3ds Max Exercises 11E <b>DUE 10/15</b>
	9/24	<b>Vimeo Account Setup</b>		
7	9/28	<b>Premiere Theory I</b>		#64 - Inventor 20.69 - Engine Model (Online) With CoolOrange Threads - WORKING DRAWING <b>DUE 10/29</b>
	9/29	<b>Premiere Theory II</b>		
	9/30	Premiere Application: Project Management (Windows), Software Interface Importing Media, Bin Organization, Timeline, Multiple Video and Audio Tracks		
	10/1	Premiere Application: Transitions, Titles, Keyframe Animation, Audio Tracks and Keyframing, and Rendering		#66 - OCTOBER MEETING #65 - Gunsmoke Video: Include: Opening Titles, Logo, Video, Sound Effects, Closing Credits with Contact Info <b>DUE 10/30</b>

8	10/5	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.	#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. <b>DUE 11/16</b>
	10/6	Work on Machine Vise animation	
	10/7	Work on Machine Vise animation	
	10/8	Work on Machine Vise animation	
9	10/12	Work on Machine Vise animation	
	10/13	Work on Machine Vise animation	
	10/14	Work on Machine Vise animation	
	10/15	Work on Machine Vise animation	
10	10/19	Work on Machine Vise animation	
	10/20	Work on Machine Vise animation	
	10/21	Work on Machine Vise animation	
	10/22	Website Update 14-71 Machine Vise Presentation Uploading Video to Vimeo and placing on website.	
11	10/26	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. <b>DUE 12/10</b>
	10/27	Lab Day	
	10/28	Lab Day	
	10/29	3ds Max Review	
12	11/2	Quiz Ascent Courseware Autodesk Certificate of Training	#75 - NOVEMBER MEETING
	11/3	Engine Model Project Setup for 3D Printer	#74 - Engine Model for 3D Printer <b>DUE 11/30</b>

	11/4	Inventor Engine Model Setup for 3ds Max (Video available online)	<b>TGC Read Chapter 18.1 - 18.7.7 + 18.11 - Geometric Dimensioning and Tolerancing (GDT) and handout. READING PARTICIPATION ASSIGNMENT ONLINE DUE 11/9</b>
	11/5	Premiere Review	
13	11/9	Quiz: Premiere 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 <b>DUE 11/19</b> #69 - Inventor 16-217 Stand (Online) WD <b>DUE 11/19</b> #70 - Inventor 16-218 Cutoff Stop (Online) WD <b>DUE 11/19</b> #71 - 16-221 Spacer (Online) WD <b>DUE 11/19</b>
	11/10	Review GD&T	
	11/11	HOLIDAY - VETERANS DAY	
	11/12	Review GD&T GD&T Assignment Examples	<b>TGC Read Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels READING PARTICIPATION ASSIGNMENT ONLINE DUE 11/16</b>
14	11/16	Quiz Chapter 18 Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels	
	11/17	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)	

	11/18	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)	
	11/19	Quiz Chapter 22	#73 - AutoCAD 16-213 Stand (Online) WD ANSI C, SCALE 1:1 Visual Check Off DUE 11/30
15	11/23	DDGT241 Final Project Story Outline Description	#76 - Outline <b>DUE 12/9</b>
			<b>SUPPLEMENTARY HANDOUT</b> <b>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</b> <b>READING PARTICIPATION ASSIGNMENT DUE 11/30</b>
	11/24	Lab Day	
	11/25	HOLIDAY - THANKSGIVING RECESS	
	11/26	HOLIDAY - THANKSGIVING RECESS	
16	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	
	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)	<b>TGC Read Chapter 25 - Welding Drawings</b> <b>READING PARTICIPATION ASSIGNMENT ONLINE DUE 12/7</b>
	12/2	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)	
	12/3	Quiz Supplementary Handouts	

17	12/7	Review Chapter 25 - Welding Drawings	
	12/8	Review Chapter 25 - Welding Drawings (Continued)	ADD WELDING SYMBOLOGY TO THE FOLLOWING ASSIGNMENTS: #78 - 18-43 Slide Bracket (Online) Inventor WD <b>DUE 12/10</b> #79 - 18-44 Caster Frame (Online) Inventor WD <b>DUE 12/10</b>
	12/9	Quiz Chapter 25 DDGT241 Outline Review	
	12/10	Review for Final	
18	12/14	Final TBA	

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

*Revised 7/10/2020 GJS v1.0*