



			#76 - AutoCAD Reverse Engineering - Part II Working Drawing with 3D with revisions (see instructor)	<b>DUE 12/7</b>
8/16	Scales Review		#8 - Architectural Scale Handout #9 - Engineering Scale Handout #10 - Metric Scale Handout	<b>DUE 8/24</b> <b>DUE 8/24</b> <b>DUE 8/24</b>
8/17	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 #12 - Inventor 18-44 Caster Frame (Online) WD #13 - Inventor 18-49 Connecting Link WD	<b>DUE 8/31</b> <b>DUE 8/31</b> <b>DUE 8/31</b>
2	8/21 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 <b>(Hard Deadline)</b>  #51 - Inventor 14-71 Machine Vise WD Revisions - Part II	<b>DUE 10/2</b>  <b>DUE 10/9</b>
8/22	Networking Tools Lecture			
8/23	Networking Tools Lecture		<b>CANVAS QUIZ 1 - Networking Tools</b>	<b>DUE 8/31</b>
8/24	Assignment Visual Checkoffs		#14 - XREF Terminal Board WD V2	<b>DUE 8/31</b>
3	8/28 3ds Max Design Ascent Courseware Chapter 1		#15 - 3ds Max Exercises 1A #16 - 3ds Max Exercises 1B	<b>DUE 9/21</b> <b>DUE 9/21</b>
8/29	3ds Max Design Ascent Courseware Chapter 2		#17 - 3ds Max Exercises 2A #18 - 3ds Max Exercises 2B #19 - 3ds Max Exercises 2C #20 - 3ds Max Exercises 2D	<b>DUE 9/21</b> <b>DUE 9/21</b> <b>DUE 9/21</b> <b>DUE 9/21</b>
8/30	3ds Max Design Ascent Courseware Chapter 3		#21 - 3ds Max Exercises 3A #22 - 3ds Max Exercises 3B	<b>DUE 9/21</b> <b>DUE 9/21</b>

			#23 - 3ds Max Exercises 3C	<b>DUE 9/21</b>
			#24 - 3ds Max Exercises 3D	<b>DUE 9/21</b>
	8/31	Assignment Visual Checkoffs	#25 - SEPTEMBER MEETING	
4	9/4	HOLIDAY - LABOR DAY		
	9/5	3ds Max Design Ascent Courseware Chapter 4	#26 - 3ds Max Exercises 4A	<b>DUE 9/28</b>
			#27 - 3ds Max Exercises 4B	<b>DUE 9/28</b>
			#28 - 3ds Max Exercises 4C	<b>DUE 9/28</b>
			#29 - 3ds Max Exercises 4D	<b>DUE 9/28</b>
			#30 - 3ds Max Exercises 4E	<b>DUE 9/28</b>
			#31 - 3ds Max Exercises 4F	<b>DUE 9/28</b>
	9/6	3ds Max Design Ascent Courseware Chapter 5	#32 - 3ds Max Exercises 5A	<b>DUE 9/28</b>
			#33 - 3ds Max Exercises 5B	<b>DUE 9/28</b>
			#34 - 3ds Max Exercises 5C	<b>DUE 9/28</b>
			#35 - 3ds Max Exercises 5D	<b>DUE 9/28</b>
			#36 - 3ds Max Exercises 5E	<b>DUE 9/28</b>
			#37 - 3ds Max Exercises 5F	<b>DUE 9/28</b>
	9/7	Lab Day		
5	9/11	3ds Max Design Ascent Courseware Chapter 6	#39 - 3ds Max Exercises 6A	<b>DUE 10/5</b>
			#40 - 3ds Max Exercises 6B	<b>DUE 10/5</b>
			#41 - 3ds Max Exercises 6C	<b>DUE 10/5</b>
			#42 - 3ds Max Exercises 6D	<b>DUE 10/5</b>
			#43 - 3ds Max Exercises 6E	<b>DUE 10/5</b>
			#44 - 3ds Max Exercises 6F	<b>DUE 10/5</b>
	9/12	3ds Max Design Ascent Courseware Chapter 7	#45 - 3ds Max Exercises 7A	<b>DUE 10/5</b>
			#46 - 3ds Max Exercises 7B	<b>DUE 10/5</b>
			#47 - 3ds Max Exercises 7C	<b>DUE 10/5</b>
			#48 - 3ds Max Exercises 7D	<b>DUE 10/5</b>
	9/13	3ds Max Design Ascent Courseware Chapter 8	#49 - 3ds Max Exercises 8A	<b>DUE 10/5</b>

#50 - 3ds Max Exercises 8B

**DUE 10/5**

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9/14 Lab Day

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6	9/18	3ds Max Design Ascent Courseware Chapter 9	#52 - Max Exercises 9A	<b>DUE 10/12</b>
			#53 - Max Exercises 9B	<b>DUE 10/12</b>
			#54 - Max Exercises 9C	<b>DUE 10/12</b>

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	9/19	3ds Max Design Ascent Courseware Chapter 10	#55 - 3ds Max Exercises 10A	<b>DUE 10/12</b>
			#56 - 3ds Max Exercises 10B	<b>DUE 10/12</b>
			#57 - 3ds Max Exercises 10C	<b>DUE 10/12</b>
			#58 - 3ds Max Exercises 10D	<b>DUE 10/12</b>
			#59 - 3ds Max Exercises 10E	<b>DUE 10/12</b>

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	9/20	3ds Max Design Ascent Courseware Chapter 11	#60 - 3ds Max Exercises 11A	<b>DUE 10/12</b>
			#61 - 3ds Max Exercises 11B	<b>DUE 10/12</b>
			#62 - 3ds Max Exercises 11C	<b>DUE 10/12</b>
			#63 - 3ds Max Exercises 11D	<b>DUE 10/12</b>

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9/21 Vimeo Account Setup

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7	9/25	Premiere Theory I	#64 - Inventor 20.69 - Engine Model (Online) With CoolOrange Threads - WORKING DRAWING	<b>DUE 10/26</b>
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9/26 Premiere Theory II

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9/27 Premiere Application:  
Project Management (Windows), Software Interface  
Importing Media, Bin Organization, Timeline,  
Multiple Video and Audio Tracks

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	9/28	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	<b>DUE 10/26</b>
8	10/2	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	<b>DUE 10/31</b>
			#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 11/13</b>
	10/3	Work on Machine Vise animation		
	10/4	Work on Machine Vise animation		
	10/5	Work on Machine Vise animation		
9	10/9	Work on Machine Vise animation		
	10/10	Work on Machine Vise animation		
	10/11	Work on Machine Vise animation		
	10/12	Work on Machine Vise animation		
10	10/16	Work on Machine Vise animation		
	10/17	Work on Machine Vise animation		
	10/18	Work on Machine Vise animation		
	10/19	Website Update 14-71 Machine Vise Presentation Uploading Video to Vimeo and placing on website.		

11	10/23	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 12/7</b>
	10/24	Lab Day		
	10/25	Lab Day		
	10/26	3ds Max Review	<b>CANVAS QUIZ 2 - ASCENT Courseware</b>	<b>DUE 11/2</b>
12	10/30	Autodesk Certificate of Training	<b>CANVAS DISCUSSION 1 - TGC Read Chapter 18.1 - 18.7.7 + 18.11 - Geometric Dimensioning and Tolerancing (GDT) and handout.</b>	<b>DUE 11/6</b>
	10/31	Engine Model Project Setup for 3D Printer	#73 - Engine Model for 3D Printer #74 - NOVEMBER MEETING	<b>DUE 12/4</b> <b>DUE 11/30</b>
	11/1	Inventor Engine Model Setup for 3ds Max (Video available online)		
	11/2	Premiere Review	<b>CANVAS QUIZ 3 - Premiere</b>	<b>DUE 11/9</b>
13	11/6	Review Chapter 18.1 - 18.7.7 + 18.11 - Geometric Dimensioning and Tolerancing (GDT) and handout.	<b>ADD GD&amp;T TO THE FOLLOWING ASSIGNMENTS:</b> #68 - AutoCAD 16-213 Stand (Online) XREF WD ANSI B, SCALE 1:2 #69 - Inventor 16-217 Stand (Online) WD	<b>DUE 11/16</b> <b>DUE 11/16</b>

#70 - Inventor 16-218 Cutoff Stop (Online) WD **DUE 11/16**  
#71 - 16-221 Spacer (Online) WD **DUE 11/16**

**CANVAS DISCUSSION 2 -** **DUE 11/13**  
**TGC Read Chapter 22 Mechanisms:**  
**Gears, Cams, Bearings, and Linkages**  
**Supplemental Handout 22-5 Indexing, 22-7**  
**Ratchet Wheels**

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11/7 Review GD&T

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11/8 Review GD&T

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11/9 Review GD&T  
GD&T Assignment Examples

**CANVAS QUIZ 4 - GD+T** **DUE 11/16**

**CANVAS DISCUSSION 1 - FOLLOW UP** **DUE 11/16**  
**TGC Chapter 18.1 - 18.7.7 + 18.11 - Geometric**  
**Dimensioning and Tolerancing (GDT) and**  
**handout.**

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14 11/13 Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and  
Linkages  
Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels

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

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

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11/16	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)	<b>CANVAS QUIZ 5 - TGC Chapter 22 Mechanisms</b>  <b>CANVAS DISCUSSION 2 - FOLLOW UP</b> <b>TGC Chapter 22 Mechanisms:</b> <b>Gears, Cams, Bearings, and Linkages</b> <b>Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels</b>	<b>DUE 11/27</b>  <b>DUE 11/27</b>
15	11/20 DDGT241 Final Project Description	<b>CANVAS DISCUSSION 3 -</b> <b>SUPPLEMENTARY HANDOUT</b> <b>Read 20-1 Belt Drives, 20-2 Chain Drives,</b> <b>20-8 Comparison of Chain, Gear, and Belt Drives,</b> <b>21-1 Couplings, 21-5 Lubricants and Radial Seals,</b> <b>and</b> <b>21-6 Static Seals and Sealants</b>	<b>DUE 11/27</b>
	11/21 Lab Day		
	11/22 HOLIDAY - THANKSGIVING RECESS		
	11/23 HOLIDAY - THANKSGIVING RECESS		
16	11/27 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	<b>CANVAS DISCUSSION 4 -</b> <b>TGC Read Chapter 25 - Welding Drawings</b>	<b>DUE 12/4</b>
	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 (Continued)		

	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)	<b>CANVAS QUIZ 6 - Supplementary Handouts</b>	<b>DUE 12/7</b>
			<b>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</b>	<b>DUE 12/7</b>
17	12/4	Review Chapter 25 - Welding Drawings		
	12/5	Review Chapter 25 - Welding Drawings (Continued)	<b>ADD WELDING SYMBOLOGY TO THE FOLLOWING ASSIGNMENTS:</b>	
			#77 - 18-43 Slide Bracket Inventor WD	<b>DUE 12/7</b>
			#78 - 18-44 Caster Frame Inventor WD	<b>DUE 12/7</b>
			#79 - 18-49 Connecting Link Inventor WD	<b>DUE 12/7</b>
			<b>CANVAS QUIZ 7 - TGC Chapter 25 Welding</b>	<b>DUE 12/11</b>
			<b>CANVAS DISCUSSION 4 - FOLLOW UP TGC Chapter 25 - Welding Drawings</b>	<b>DUE 12/11</b>
	12/6	DDGT241 Outline Review		
	12/7	Review for Final		
18	12/11	Final TBA		

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

*Revised 5/25/2023 GS v1.0*