

**CAD 3 PROCESS DELIVERABLES GRADING RUBRIC [01]**

		Name	Total
		/10	
		Full Points	Negative 2 Points
<b>Organization</b>			
<b>Organization</b>		Print and rubric is ready	Prints are not on students desk at the time of grading- no late progress prints will be accepted
		File is organized, in the correct format, saved file matches the print, and has been produced at the correct size	File is not organized [in one folder, file name format; date first then discription, and saved as .png], file is not saved in lab software version format, file does not match the print, or the file is not the correct size [1800x3600 200 ppi]
<b>Content</b>			
<b>Content</b>		Model shows correct content	Print lacks any of the correct content [wall thickness, opening thickness, trim, base, moulding, can lights, or anything else discussed in class]
		Model shows accuracy	Model has gap, dimensional, or scale errors [model must exhibit real life scale and dimensions]
		Model has correct settings	Model has inflated file size [more than 5mb is inflated], or any lacks final and work scene

**CAD 3 PROCESS DELIVERABLES GRADING RUBRIC [02]**

		Name	Total /10
		Full Points	Negative 2 Points
<b>Organization</b>			
<b>Organization</b>		All three [3] Prints and rubric are ready	Any of the three Prints are not on students desk at the time of grading- no late progress prints will be accepted
		All three [3] files are organized, in the correct format, saved files match the prints, and have been produced at the correct size	Any files are not organized [all in one folder, file name format; date first then discription], files are not saved in lab software version format, files do not match the print, or the files are not the correct size [1800x3600 200 ppi]
<b>Content</b>			
<b>Content</b>		Three [3] files contain correct content and only glass material; [1] fixed file, [2] fixed with furniture, & [3] fixed with furniture + accessories	Any of the three [3] files do not contain correct content as follows; [1] deliverables one with corrections discussed at grading, [2] that same file saved as a different file name including furniture only, and [3] a third file saved as a different name with both furniture + accessories, no file should contain any material but glass
		Model and components shows accuracy	Any model has gap, dimensional, or scale errors [model must exhibit real life scale and dimensions], or components contain materials, unneeded entities, or have incorrect scale, or incorrect connection
		Model has correct settings	Any model has inflated file size; [1] corrected file no more than 5mb, [2] corrected file with furniture no more than 15mb, and [3] corrected file with furniture + accessories no more than 20mb, or any file lacks final and work scene, or any component has seams, gaps, or extra geometry

**CAD 3 PROCESS DELIVERABLES GRADING RUBRIC [03]**

		Name	Total
		/10	
		Full Points	Negative 2 Points
<b>Organization</b>			
<b>Organization</b>		Print and rubric are ready	Print is not on the students desk at the time of grading- no late progress prints will be accepted
		Files are organized, in the correct format, saved file matches the print, and have been produced at the correct size	File is not organized [all in one folder, file name format; date first then discription], file is not saved in lab software version format, file does not match the print, or the file is not the correct size [1800x3600 200 ppi]
<b>Content</b>			
<b>Content</b>		File contains correct lighting; HDR for general illumination [GI]	HDR is not assigned, GI is over or under illumated, or incorrect HDR is assigned
		File contains correct lighting; Daylighting	Daylighting is not visible, or camera settings are incorrect, or daylighting is over or under illuminated
		File contains correct lighting; artifical	Artifical lighting is not visible, or over or under illuminated, or shadows do not simulate a real world condition

**CAD 3 PROCESS DELIVERABLES GRADING RUBRIC [04]**

		Name	Total
		/10	
		Full Points	Negative 2 Points
<b>Organization</b>			
<b>Organization</b>		Print and rubric are ready	Print is not on the students desk at the time of grading- no late progress prints will be accepted
		Files are organized, in the correct format, saved file matches the print, and have been produced at the correct size	File is not organized [all in one folder, file name format; date first then discription], file is not saved in lab software version format, file does not match the print, or the file is not the correct size [1800x3600 200 ppi]
<b>Content</b>			
<b>Content</b>		Deliverables contain complete material mapping	Any model face is lacking a material
		Deliverables contain correct reflection	All materials display the correct level of reflection, in settings and image, with no less than one reflective surface
		Deliverables contain correct bump maps	All materials display the correct level of bump, in settings and image, with no less than one clearly bumpy surface

## CAD 3 NOTEBOOK GRADING RUBRIC

		Name	Total
		/50	
		Full Points	Negative 2 Points
<b>Organization</b>			
<b>Organization</b>		8.5x11 portrait paper is used	Any other paper, configuration or trim that is not exactly 8.5x11 portrait
		Notes are bound by one single correct capacity staple in the upper left corner	Notes are bound by any other means other than one single correct capacity staple in the upper left corner
		Cover sheet is printed on colored paper and text is readable	Cover sheet is printed on white paper or text is not readable
		Cover sheet includes class, term, and student name in that order	Cover sheet is missing any of the required items or configuration listed under Full Points
		Cover sheet text is Arial, 48 pt, upper left justified	Cover sheet is missing any of the required items or configuration listed under Full Points
<b>Content</b>			
<b>Content</b>		Class 1 all topics	Any topic listed in the syllabus for this class is missing
		Class 2 all topics	See above
		Class 3 all topics	See above
		Class 5 all topics	See above
		Class 6 all topics	See above
		Class 8 all topics	See above
		Class 9 all topics	See above
		Notes on lab questions	Notes on lab questions are not included
		Deliverable print 1 - 8x11	Deliverable print is not included in notebook or does not match file presented at deliverable grading
		Deliverable print 2 (1 of 3) - 8x11	See above
		Deliverable print 2 (2 of 3) - 8x11	See above
		Deliverable print 2 (3 of 3) - 8x11	See above
		Deliverable print 3 - 11x17	See above
	Deliverable print 4 - 11x17 color	See above	
	Deliverable print 5 - 11x17 color	See above	
<b>Neatness</b>			
<b>Neatness</b>		All content is logical and consistent	Any content that is not logical and consistent
		Tools are graphically different for easy access	Tools are not graphically differently than other notes in the note book
		Tools include notes on how and where to access them in the interface	Tools do not include notes on how and where to access them in the interface
<b>Additional Items</b>			

Additional Items	Student has printed this rubric	Student has not printed this rubric
	Student has file(s) matching print open at the time of grading	Student does not have the file(s) representing the print open at the time of grading

**CAD 3 PROCESS DELIVERABLES GRADING RUBRIC [05]**

		Name	Total
		/10	
		Full Points	Negative 2 Points
<b>Organization</b>			
<b>Organization</b>		Print and rubric are ready	Print is not on the students desk at the time of grading- no late progress prints will be accepted
		Files are organized, in the correct format, saved file matches the print, and have been produced at the correct size	File is not organized [all in one folder, file name format; date first then discription], file is not saved in lab software version format, file does not match the print, or the file is not the correct size [1800x3600 200 ppi]
<b>Content</b>			
<b>Content</b>		Deliverables contain lighting, or correct lighting correction	Any illumination in the deliverable is inconsistent, too hot, or missing due to photoshop or Vray
		Deliverables contain correct material attributes	Any material displays inaccurate attributes including edges, shape, scale, perspective, or pixel density
		Deliverables contain correct background image	The background displays the incorrect pixel density, perspective, or level of illumination

## CAD 3 PROJECT GRADING RUBRIC

		NAME	TOTAL	/100
		Full Points		Negative 2 Points
		Additional Items		
Additional		Student has printed this rubric	Student has not printed this rubric	
		Student has all required materials open, available and ready at the time of grading	Student has to take time during the grading process to find files or work product	
		Modeling		
Modeling		Model is free of gaps	Unintentional gaps of any kind are present	
		Model has correct dimensional values	Model exhibits dimensional values that don't correctly represent real life conditions	
		Scenes are utilized	At least 2 saved scenes are present in the model	
		Model fills render scene	Any edges or areas of the model fail to fill the rendered scene	
		Components are correctly inserted	Components are not inserted accurately in any way	
		Digital Files		
Digital Files		Files are open and accessible to the professor at the time of grading	All files are not accessible to the professor at the time of grading, the students final .skp, and .psd are not open in the correct application	
		All five .skp files are available	Any one of the 5 required files are not present at the time of grading 4 deliverable, and one final	
		.skp files are available	.skp is missing at the time of grading	
		.png file is available	.png is missing at the time of grading	
		.psd file is available	.psd is missing at the time of grading	
		.jpg has been saved to the M drive	.jpg has not been saved to the M drive at the time of grading	
		Files exhibit reasonable file size related to the content in the project	Files exhibit inflated files size (ask the professor if you are not sure)	
		Files exhibit each of the process deliverables as printed for class	Any file exhibits anything other than the 4 process deliverables as printed in class and the final model	
		Files are saved in an organized manner	Files are not contained in the same drive or folder or files do not have a consistent naming convention	
		General Illumination		
on		General illumination includes HDR	Model lacks HDR	



General Illuminati	General illumination level is correct	Incorrect illumination levels are present
	General illumination includes sunlight	Sunlight is not present in the rendering
	General illumination includes shadow from sunlight	Shadow from sunlight is not in the rendering
	Physical camera settings are correct	Camera settings are incorrect
	Lighting	
Lighting	Lighting is present	At least 5 light sources are present beyond general illumination lighting
	Lighting is free of hot spots	Any hot spot of any kind is present in the rendering
	Lighting exhibits correct color	Lighting has not been modified from default color settings
	Lighting is free of dark areas	Any dark area of any kind is present in the rendering
	Shadows are blended correctly	Shadows exhibit harsh edges or edges that are not perceptible
	Mixed shadows are controlled	Mixed shadows are indiscriminate
	Perspective	
Perspective	Perspective shows correct field of view	Field of view lacks content
	Perspective shows correct field of view	Field of view causes distortion
	Perspective accommodates model elements	Model elements are at an appropriate scale for the scene
	Perspective orientation accommodates model content	Perspective obscures model content in any way
	Materials	
Materials	Materials exhibit the correct pixel density	Materials are inflated or undersized for the rendering
	Materials have the correct bump map settings	Materials are too bumpy or lack enough bump
	Emissive material settings are correct	Emissive materials are over illuminated or under illuminated
	Materials show correct reflection	Materials lack or provide too much reflection
	Materials are assigned to all geometry	Any geometry lacks material assignment
	Print & Mounting	
Print & Mounting	Print is executed using correct media	Print paper is not of a photo type
	Print is correctly mounted	Print is mounted such that edges are misaligned, glue is exposed, or there is damage of any kind
	Mounting is professional	Mounting cuts are out of square, jagged, pitted, or frayed
	Background	
	Background image is included	Background image is not included

Background		Background image matches brightness and contrast of rendered model	Background exhibits incorrect brightness and contrast
		Background exhibits correct perspective	Background exhibits incorrect perspective
		Background exhibits correct scale	Background exhibits incorrect scale
		Content and Work Product	
Content		Model is fully furnished	Furnishing is sparse in anyway
		Model is fully accessorized	Any surface that should carry an accessory is left empty
		Post Production	
Post Production		Image size is correct	Image size does not match requirements listed in the syllabus
		Image pixel density is correct	Image pixel density does not match requirements listed in the syllabus
		Photoshop image file contains adjustment layers	Photoshop image lack adjustment layers
		Final rendering exhibits adjustments in Photoshop	Final rendering lacks post production work in Photoshop
		Photoshop image file is complete	Photoshop image exhibits layers displaying the render image and adjustments