



	HW 0120	CL 0127	HW 0129	HW 0217	HW 0226	HWa 0326	HWb 0326	HW 0416	HW 0430	So Far	Totals
1 Represent, model, and create visual information digitally.											+
1a ...in terms of pixels and geometric primitives.			+	+						+	
1b ...in terms of polygon meshes: vertices, edges, and faces.											/
1c ...as a composition of multiple discrete objects (scenes).						/				/	-
2 Manipulate and display visual information in 2D and 3D.											O
2a Apply transforms to 2D and 3D objects.							/				
2b Project 3D objects onto a 2D viewport.											
2c Perform color and light computations.					/					/	
2d Be familiar with established algorithms such as clipping and hidden surface removal (HSR).		+			/						
3 Use and develop computer graphics APIs in both 2D and 3D.											
3a Develop a library of 2D and 3D objects.						/	/				
3b Animate scenes in 2D and 3D.											
3c Perform bit-level color manipulation.					/					/	
3d Render a 3D scene using programmable shaders.						/	/			/	
4 Follow academic and technical best practices throughout the course.											
4a Write syntactically correct, functional code.			+	+	/	/	/				
4b Use coding best practices, demonstrating principles such as DRY, proper separation of concerns, correct scoping of variables and functions, etc.			/	/			/			/	
4c Write code that is easily understood by programmers other than yourself.			+	+			+			+	
4d Use available resources and documentation to find required information.	+		+	+						+	
4e Use version control effectively.	+			+	+	+	+			+	
4f Meet all designated deadlines.	+		+	+	+	+	/			+	