



	HW 0119	HW 0204	HW 0225	HW 0308	HW 0329a	HW 0329b	HW 0428a	HW 0428b	So Far	Totals
1 Represent, model, and create visual information digitally.										+ 12
1a ...in terms of pixels and geometric primitives.		+	+	+					+	4
1b ...in terms of polygon meshes: vertices, edges, and faces.					+				+	/ 1
1c ...as a composition of multiple discrete objects (scenes).					+				+	- 0
2 Manipulate and display visual information in 2D and 3D.										O 0
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.	+	+	+	+	+	+			+	