		HW 0119	HW 0204	HW 0225	HW 0308	HW 0329a	HW 0329b	HW 0428a	HW 0428b	So Far
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.**									
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.	+	+	+	+	+	+			+

Totals

+	11
|	6
/	0
−	0
O	0