	Outcomes	HW 0129	HW 0212	HW2 0212	HW 0226	HW2 0226	HW 0319	HW 0326	HW 0404	HW 0418	HW 0502	Final
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	Perform clipping and hidden surface removal (HSR).										+	+
3	**Use and develop computer graphics APIs in both 2D and 3D.**											
3a	Animate scenes in 2D and 3D.		|					/	+		+
3b	Implement 2D graphics primitives such as line segments, circles, and polygon fills.				|	|						|
3c	Perform bit-level color manipulation.				|	|						|
3d	Develop a library of geometric primitives, operations, and matrix transformations.						/	|	+			+
3e	Render a 3D scene using programmable shaders.						|	|	/	|	|	|
4	**Follow academic and technical best practices throughout the course.**											
4a	Write syntactically correct, functional code.	|	|	|	|	|	/	+	/	|	/	|
4b	Demonstrate proper separation of concerns.	|	/	|	|	+	+	+	+	/	/	|
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

+	8
|	8
/	2
–	0
O	0
	B–

IOU re-reviews of HW 0319, 0326, 0404, and 0502.