		HW 0119	HW 0204	HW 0225	HW 0308	HW 0329a	HW 0329b	HW 0428a	HW 0428b	So Far	То	tals
1	Represent, model, and create visual information digitally.								,		+	5
1a	in terms of pixels and geometric primitives.		+							+		4
1b	in terms of polygon meshes: vertices, edges, and faces.										,	0
1c	as a composition of multiple discrete objects (scenes).										ĺ	0
2	Manipulate and display visual information in 2D and 3D.										_	
2 a	Apply transforms to 2D and 3D objects.										O	0
2 b	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.	+	+							+		