	Outcomes	HW 0906	PC 0906	HW 0918	HW 0927	HW 1016	PCa 1025	PCb 1025	HW 1030	HW 1101	Cumulative
1	**Know and understand the art and science of interaction design, particularly its first principles and key metrics.**										
1a	Know and understand how interaction design relates to mental models.						|				|
1b	Know and understand the five key usability metrics.		|	+			+	+			+
1c	Know and understand interaction design guidelines, principles, and theories.			/							/
1d	Know and understand interaction styles.						|	+			+
1e	Know and understand affordances.										
2	**Apply this knowledge by studying, comparing, and evaluating the user interfaces of actual systems.**										
2a	Map real-world interaction design cases and/or situations to how mental models are expressed and communicated.			+							+
2b	Prioritize the five usability metrics for a given application.		|	/							/
2c	Effectively use usability metrics, interaction design guidelines, principles, and theories, interaction styles, and affordances to make appropriate, well-founded interaction design decisions.			/							/
3	**Know the fundamentals behind implementing user interfaces with working knowledge of technologies such as HTML/CSS/ JavaScript, Ajax, jQuery, and Bootstrap.**										
3a	Know and understand how user interfaces are constructed.					|				+	+
3b	Know and understand event-driven programming.									+	+
3c	Know and understand the model-view-controller (MVC) paradigm.					+				+	+
3d	Break down a high-level user action into a sequence of lower-level user or system events.										
4	**Follow academic and technical best practices throughout the course.**										
4a	Write syntactically correct, functional code.					/				|	|
4b	Demonstrate proper separation of concerns, especially MVC.					+				+	+
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.	+		/	+	+				+	+

Totals

+	11
|	2
/	3
–	0
O	0

Outcomes		HW 0906	PC 0906	HW 0918	HW 0927	HW 1016	PCa 1025	PCb 1025	HW 1030	HW 1101	Cumulative
4f	Meet all designated deadlines.	+		+	+	+				+	+