



Outcomes		HW 0906	PC 0906	HW 0918	HW 0927	HW 1016	PCa 1025	PCb 1025	HW 1030	HW 1101	HW 1120	HW 1129	HW 1204	Cumulative
<b>1</b>	<b>Know and understand the art and science of interaction design, particularly its first principles and key metrics.</b>													
<b>1a</b>	Know and understand how interaction design relates to mental models.								+			+		+
<b>1b</b>	Know and understand the five key usability metrics.			+				+						+
<b>1c</b>	Know and understand interaction design guidelines, principles, and theories.			+								+		+
<b>1d</b>	Know and understand interaction styles.						/	/				+		
<b>1e</b>	Know and understand affordances.										/	+		
<b>2</b>	<b>Apply this knowledge by studying, comparing, and evaluating the user interfaces of actual systems.</b>													
<b>2a</b>	Map real-world interaction design cases and/or situations to how mental models are expressed and communicated.			+					+			+		+
<b>2b</b>	Prioritize the five usability metrics for a given application.			+										+
<b>2c</b>	Effectively use usability metrics, interaction design guidelines, principles, and theories, interaction styles, and affordances to make appropriate, well-founded interaction design decisions.			+					+			+		+
<b>3</b>	<b>Know the fundamentals behind implementing user interfaces with working knowledge of technologies such as HTML/CSS/JavaScript, Ajax, jQuery, and Bootstrap.</b>													
<b>3a</b>	Know and understand how user interfaces are constructed.					+				+	/			
<b>3b</b>	Know and understand event-driven programming.									+				+
<b>3c</b>	Know and understand the model-view-controller (MVC) paradigm.					+				+	+			+
<b>3d</b>	Break down a high-level user action into a sequence of lower-level user or system events.										/			/
<b>4</b>	<b>Follow academic and technical best practices throughout the course.</b>													

**Totals**

+	12
	5
/	1
-	0
0	0

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<b>4a</b>	Write syntactically correct, functional code.										/			
<b>4b</b>	Demonstrate proper separation of concerns, especially MVC.					+				+	+			+
<b>4c</b>	Write code that is easily understood by programmers other than yourself.										/			
<b>4d</b>	Use available resources and documentation to find required information.	+		+	+	+			+	+		+		+
<b>4e</b>	Use version control effectively.	+		/	+	+			+		+	+		+
<b>4f</b>	Meet all designated deadlines.	+		+	+	+			+	+	+	+		+