| 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**

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| **4f** Meet all designated deadlines. | + | | + | + | + | | | | + | + |