

## **Course Syllabus Part I**

### **CSD 340 Web Development with HTML and CSS**

**3 credit hours**

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#### **Course Description**

This course examines the fundamentals specific to web development. Topics will include web standards, accessibility/usability, and the markup languages, which serve as the foundation for web development: Hypertext Markup Language 5 (HTML5), Cascading Style Sheets (CSS), and Extensible Markup Language (XML). Students work with these languages at a basic level, learning the essential structures, coding conventions, and best practices associated with the effective use of HTML5 and CSS in modern web-development environments.

#### **Course Prerequisites**

None

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#### **Course Skills**

- Develop web pages using HTML5, CSS and XML to meet project requirements.
  - Design, document, and debug HTML.
  - Critique web page design elements to promote alignment with contemporary style and best practices.
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#### **Course Objectives**

Students who successfully complete this course should be able to:

- Write HTML and CSS code to create web pages.
  - Discuss web development tools.
  - Apply critical thinking to issues associated with web pages.
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## Grading Scale

93 – 100% = A	87 – 89% = B+	77 – 79% = C+	67 – 69% = D+
90 – 92% = A-	83 – 86% = B	73 – 76% = C	63 – 66% = D
	80 – 82% = B-	70 – 72% = C-	60 – 62% = D-
			0 – 59% = F

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## Topic Outline

- I. HTML & CSS
  - A. Page structure
  - B. Semantic markup
  - C. Browser compatibility
- II. Web development tools
  - A. Text editors and extensions
  - B. Browser tools
  - C. Version control
- III. Web development processes and topics
  - A. Design process
  - B. Atomic Design
  - C. Pattern Libraries
  - D. Responsive Design