



**Course Name:** Web Design and Development II

**Course Number:** CST\* E250

**Credits:** 3

**Catalog description:** A study of the client-side technologies used in the development of interactive web sites. Students learn to create dynamic web sites using modern web development technologies such as HTML5, JavaScript, and CSS. Course content is continually updated to reflect the current state of the art in Internet computing.

*Substantial work in the computer lab is required each week.*

**Prerequisite:** CST\* E150 *or* permission of the instructor

**Corequisite or Parallel:**

## **General Education Competencies Satisfied:**

**HCC General Education Requirement Designated Competency Attribute Code(s):**

None

**Additional CSCU General Education Requirements for CSCU Transfer Degree Programs:**

None

**Embedded Competency(ies):**

None

**Discipline-Specific Attribute Code(s):**

COMP                      Computer Science Elective



**Course objectives:**

**General Education Goals and Outcomes:**

None

**Course Specific Objectives:**

1. Develop scripted websites using JavaScript
2. Develop websites that employ CSS for layout
3. Develop websites that employ JavaScript, CSS, and event-handling techniques to provide interactivity
4. Use HTML5 in conjunction with JavaScript and CSS to add multimedia and dynamic behavior to websites

**Course Content:**

- Review of HTML
- Review of basic CSS
- JavaScript language elements
- JavaScript event handling
- JavaScript functions
- Using JavaScript and CSS to provide interactivity
- Advanced CSS techniques
- Layout using CSS
- Using HTML5 in conjunction with JavaScript and CSS to add multimedia and dynamic behavior to websites

Date Course Created:

Date of Last Revision: 04/03/2017