# HOUSATONIC COMMUNITY COLLEGE
1967

**Course Name:** Client-Side Programming

**Course Number:** CSC* E268

**Credits:** 4

**Catalog description:** A comprehensive introduction to Internet client-side programming using JavaScript and a modern programming library such as JQuery. Topics include the use of JavaScript, JQuery and other programming libraries to handle events, manipulate the Document Object Model, interact with web servers using AJAX, and produce special effects using HTML 5. The course is continually updated to remain current with the state of the art in Internet programming.

*Substantial hands-on use of computers in a computerized classroom environment is required.*

**Prerequisite:** CST* E153 and any prior programming language course *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 computer programs using JavaScript.
2. Develop computer programs using JQuery
3. Develop computer programs that manipulate the Document Object Model.
4. Develop computer programs that interact with web servers using AJAX.
5. Develop computer programs that use JavaScript to handle events.
6. Develop computer programs using JavaScript to manipulate HTML 5 elements.

**Course Content:**

- Review of HTML and CSS.
- Basic JavaScript grammar and syntax (data types, assignment statements, conditional statements, loops).
- JavaScript arrays, functions, objects, regular expressions, and event handling.
- JQuery selection, loops, functions, and event handling.
- The Document Object Model
- Implementing interactive client-side effects using JavaScript and JQuery
- Interacting with web server using AJAX.
- Using JavaScript and JQuery with HTML 5.

Date Course Created: Fall 2008

Date of Last Revision: 04/03/2017