

# Collin College - Continuing Education

## COURSE SYLLABUS

### COURSE INFORMATION

**Course Number:** WEBT 7140

**Course Title:** Introduction to JavaScript

**Course Description:** Add interactivity and flexibility to Web sites with this powerful object-based scripting language. You will create scripts that work with HTML forms, frames, and multiple windows, and create exciting rollover effects on your Web pages.

**Suggested Course Prerequisite(s):** HTML and Cascading Style Sheets. Basic knowledge of scripting helpful, but not necessary.

**Course Resources:** Murach's JavaScript and jQuery (3rd Edition) by Mary Delamater; Murach, 978-1943872053

**Student Learning Outcomes:** Demonstrate use of cross-browser compatible layers, dynamic menus, and animation. The techniques learned in this course will allow you to write client -side code.

**Certification Notes:** This class is a Core Course for the Web Master Certification

**Next course recommendation:** Advanced JavaScript using jQuery, Intro to PHP and MySQL

#### **Lesson Plan – by week or session:**

Session 1:

Introduction to Web Development and JavaScript

How to code in JavaScript application

How to test and debug a JavaScript application

Session 2:

A crash course in XHTML

A crash course in CSS

Session 3:

How to get input and display output

How to work with numbers, strings, and dates

Session 4:

How to code control structures

How to create and use arrays

Session 5:

How to create and use functions

How to create and use objects

Session 6:

How to use regular expressions, handle exceptions, and validate data

Basic DOM scripting

Session 7:

Advanced event handling

Advanced DOM manipulation

Session 8:

How to script CSS

How to script tables and forms

If time allows: Animation with DOM scripting

How to control the web browser

How to use JavaScript libraries

#### **Course Sessions:**

Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

**Method of Evaluation:**

Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

**Refund Policy:**

Please refer to [www.collin.edu/ce/inforegistrar.html](http://www.collin.edu/ce/inforegistrar.html) for our refund policy. No refunds after the start time of the first class.

**Americans with Disabilities Act:**

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.