Collin College - Continuing Education
COURSE SYLLABUS

COURSE INFORMATION

Course Number: WEBT 7075

Course Title: Advanced JavaScript using jQuery

Course Description: Develop and use custom objects, and develop complex client side applications. The course will also cover Cascading Style Sheets (CSS) and their use in conjunction with JavaScript and HTML to produce dynamic capabilities using client-side programming; extensive use of cross-browser compatible layers, dynamic menus, and animation.

Suggested Course Prerequisite(s): HTML, CCS, and Intro to Javascript

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:

Next course recommendation:

Lesson Plan – by week or session:
Session 1:
Introduction to web development
Getting started with JavaScriptHow to work with objects, functions, and events
Session 2:
How to test and debug a JavaScript application
How to work with arrays
How to script the DOM with JavaScript
Session 3:
Get off to a fast start with jQuery
How to use effects and animations
How to use the DOM manipulation and traversal methods
Session 4:
How to work with forms and data validation
How to create and use plugins
Get off to a fast start with jQuery UI themes and widgets
Session 5:
How to use jQuery UI interactions and effects
How to use Ajax, JSON, and Blogger
How to use the APIs for Youtube, Twitter and Flickr
Session 6:
How to use the API for Google Maps
Get off to a fast start with jQuery Mobile
How to enhance a jQuery Mobile web site

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 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.