# JavaScript II Syllabus

Course Number: CSE-40592

Section ID: 110155

Course Start Date: January 14, 2016 6:00 pm – 9:00 pm

Course End Date: March 9, 2016

## Instructor Information

Name: Kristian Secor

Email: kdsecor@gmail.com

Communication Policy:

You may contact me by email at any time. I will try to answer your emails within 48 hours of receiving them.

## Welcome

I would like to welcome you to JavaScript II- here we will extend out programming concepts and learn how to use frameworks and libraries. The concepts you learn here could be applied to other programming languages. The more you work with these things the more you will understand them across the board.

This will be a fast-paced course with lots to learn. You will be expected to learn in and outside of the classroom in order for you to complete your projects.

JavaScript is most the popular scripting language on the web. In this course we will cover the syntax of JavaScript, including control structures, the traditional browser object model, further exploration of the Document Object Model (DOM), the usage of regular expressions, creation of custom objects, as well as the proper use of these constructs. You will learn to implement and create common scripts found on the web like form validation, disjointed rollovers, object manipulation, and page control.

### Learning Objectives

By the end of this course, the student will be able to with JavaScript:

* Understand the theory behind programming languages versus markup
* Understand the difference between client-side, server-side, server-parsed language
* Understand the differences between procedural and object-oriented programming
* Identify basic data structures (arrays, variables, data types, expressions)
* Understand DOM object structure of JavaScript in web pages
* Identify the standard set of JavaScript commands and operators
* Understand JavaScript functions and parameter-passing
* Understand event handling within JavaScript
* Acquire and incorporate public JavaScript source code it into programs
* Create a working, original JavaScript program

## Course Materials/Textbooks

My site

http://mm214.com/javascript2

Our Supplemental Text: For reference. If you are reading, you are not coding!

<http://www.informit.com/library/library.aspx?b=STY_JavaScript_24_hours>

## Course Overview

This course has 9 sessions. The topics for each session are listed below:

Session 1: Review Javascript 1, Introduce Regular expresssions, XML parsing

Session 2: Intro to jQuery

Session 3: JQuery (Cont) Deeper into Ajax

Session 4: Angular.js

Session 5: Angular

Session 6: Storage Continued

Session 7: Design Patterns

Session 8: Node and Expression.js

Session 9: Projects Due

### Requirements

In order to satisfy course requirements, class participants must participate in discussions, complete all course assignments on time (on or before the due date), and use graduate level writing/presentation for all written assignments.

IMPORTANT! Late assignments (anything posted or sent after the due date) may not be accepted. But if they are, will be graded -1 point for each day late unless due to a verifiable medical or family emergency. Assignments sent with the wrong naming convention or in the wrong format will be considered late until they are sent correctly. Late assignments will be accepted at the discretion of the instructor and cannot be accepted more than 1 week late. Grades are lowered for less-than-optimal (non graduate level) grammar, spelling, and presentation. Make sure all references are correctly cited and follow APA or MLA guidelines.

In general, the performance criteria for an A grade for assignments is listed below: The assignment:

• Demonstrates a high level understanding of the principles of programming, such as when to use functions and loops in order to create DRY programming.

• Writes code that is well formed and follows best practices.

• Critically evaluates what needs to be done to make the code both functional and efficient.

• Demonstrates understanding by applying what is learned in class in their own projects.

 • Takes the work learned in class and applies it to what they need to make work, altering, adding or deleting code where needed.

• Shows originality of thought.

• Uses proper citations for resources (if using a plugin).

• Uses appropriate comments in their code.

• Has no showstopper errors, functionality is crucial. Style, formatting, and appearance add to quality of final product.

Expect and plan for contingencies and technical problems (they WILL happen!). No exceptions.

grade level as they total up to 5% (a half a grade level) of your overall grade. Do yourself a favor and keep up to date on the milestones, especially if you don’t want me nagging you. I would hate for you to get to the end of your class and have nothing to show for it.

### Grades

No late assignments or quizzes are accepted.

Grades are based on points and the letter grades are given as follows:

A+ 97-100

A 94-96

A- 90-93

B+ 87-89

B 84-86

B- 80-83

C+ 77-79

C 74-76

C- 70-73

D+ 67-69

D 65-66

F 0-64

**Homework (5) 10% each**

**Participation 5%**

**Quizzes (2) 20%**

**Project 25%**

**Grades can be checked at mm214.com/grades.cgi**

***Code of Conduct***

All participants in a course at UC San Diego Extension are bound by the University of California Code of Conduct, found at http://www.ucop.edu/ucophome/coordrev/ucpolicies/aos/uc100.html.

***Academic Honesty Policy***

The University is an institution of learning, research, and scholarship predicated on the existence of an environment of honesty and integrity. As members of the academic community, faculty, students, and administrative officials share responsibility for maintaining this environment. It is essential that all members of the academic community subscribe to the ideal of academic honesty and integrity and accept individual responsibility for their work. Academic dishonesty is unacceptable and will not be tolerated at the University of California. Cheating, forgery, dishonest conduct, plagiarism, and collusion in dishonest activities erode the University's educational, research, and social roles.

If students who knowingly or intentionally conduct or help another student perform dishonest conduct, acts of cheating, or plagiarism will be subject to disciplinary action at the discretion of UC San Diego Extension.