# JavaScript I Syllabus

Course Number: CSE-40591

Section ID: 105846

Course Start Date: March 29th, 2016 6:00 pm – 9:30 pm

Course End Date: May 17th, 2016

## Instructor Information

Name: Kristian Secor

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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 I - here we will get an introduction to programming concepts and learn how to do basic programming through the use of JavaScript. Many languages use the same building blocks, such as functions and variables. 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/javascript1.html>

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 8 sessions. The topics for each session are listed below:

Session 1: Intro to javascript, data types, syntax,

Session 2: String Object, Conditions, Loops,

Session 3: Events, Functions, Objects

Session 4: Arrays, Time

Session 5: Form Control, Image Control

Session 6: Storage

Session 7: Ajax

Session 8: Regular Expressions

### 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***

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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.