

Course Description and Syllabus

Programming Objective-C

Course Title

Programming Objective-C

Meeting Schedule

See the class website at <http://www.certifiednetworks.com/classes/ObjectiveC/> for the current schedule. This section meets Wednesday afternoons from 3:30pm to 6:30pm for eight sessions. Dates run from 10/3/2012 through 11/28/2012 with no session on Halloween 10/31/2012.

Instructor Information

David Henson - www.certifiednetworks.com
dhenson@certifiednetworks.com

Course Overview

This class teaches the fundamentals and provides a broad perspective of the Objective-C programming language. There will be at least one homework assignment per week, and various reading assignments throughout the course.

Course Objectives

After the completion of this course, the successful student will be able to get started working with iOS Development. The Objective-C programming language is the native language used for iOS and MAC programming.

Weekly Topics

Here are the general topics for each week

1. Basic syntax and getting started
2. Datatypes and program flow, memory management and ARC
3. Classes, objects and methods
4. Properties
5. Protocols and design patterns
6. Collection classes: NSArray, NSDictionary
7. More Foundation classes, KVC (Key Value Coding)
8. Advanced topics - blocks, Grand Central Dispatch

Learning Materials

There is no required textbook for this course. The primary source material for the course is Apple's documentation. You will learn how to access the documentation, search for information, and learn how to use the documentation built-in to XCode.

The class will roughly follow the text "Programming in Objective-C Fourth Edition" by Stephen G. Kochan. Wherever possible, screen capture videos will be provided to demonstrate the concepts covered in class.