**Intro to Objective-C**

* Objective-C and Smalltalk
* Objective-C, C ,  C++  and Mac OS X
* Objective-C and iPhone/iPad/iOS

**Introduction iOS and SDK**

* iOS SDK: iPhone, iPod Touch
* Xcode
* Interface Builder
* iPhone Simulator
* Debugger

**Xcode**

* Xcode IDE
* Editing
* Building
* Running
* Console

**Objective-C 2.0**

* Programming in Objective-C
* The Preprocessor

**Classes, Objects, Methods and Properties**

* id
* null
* @interface
* @end
* @implementation
* Archiving
* @property
* @synthesizee
* @dynamic
* Data Types
* control flow statement
* More about  Classes
* More about Variables and Data Types
* Inheritance
* Polymorphism, Dynamic Typing, and Dynamic Binding

**Categories and Protocols**

* About Categories
* @catagory
* About Protocols
* @protocol

**Foundation Framework**

* Introduction to the Foundation Framework

**Collections**

* NSArray
* Enumeration
* NSMutableArray
* NSDictionary
* NSMutableDictionary
* Scalar Data Types
* NSObject and NSString
* NSData and NSDate

**Files**

* NSFileManager
* NSFileHandle
* NSUserDefaults
* NSHomeDirectory(), etc.
* Resource Files
* Read/Write Text Files
* Copying Objects
* Archiving

**Memory Management**

* Allocate
* Release
* Auto Releasing
* Reference Counting
* Static Analyzer
* Garbage Collection

**Cocoa and Touch**

* What is Cocoa?
* Cocoa Framework and Cocoa Classes
* Subclassing
* Xcode
* Simulator
* Interface Builder
* Nib files
* File’s Owner
* Outlet Connections
* Action Connections
* Inspector

**Controls Part-1**

* Controls
* Labels
* IBOutlet
* Buttons
* IBAction
* Event Handling
* UIEvent
* Toolbars
* Toolbar items
* Status bar
* Navigation bar and items

**Controls Part-2**

* Activity Indicator
* Network Activity Indicator
* Page Indicator
* Progress View
* Refresh Control
* Scope Bar
* Search Bar
* Segmented Control
* Slider
* Stepper
* Switch
* Detail Disclosure Button
* Info Button

**Text Controls**

* Text Field and Delegate
* Text View and Delegate

**View**

* What is View?
* UIViews and UIViewControllers
* UIView Class
* UIView Subclasses
* Types of Views
* UIApplication

**Window Based Application**

* Application
* Application Delegate
* View Controller
* Window & Views
* Device Info
* Screen
* CGRect, CGPoint, CGSize
* CGRectMake(), CGRectZero
* Static Device Info
* Dynamic Device Info
* Orientation Info
* The iPhone Accelerometer
* Detecting shakes
* Determining orientation
* Responding to the accelerometer

**Tab Bar Application**

* Tab Bar Controllers
* Tab Bars
* First View Controller
* Second View Controller
* Third View Controller
* Creating New Classes
* Classes and Interface Builder

**Navigation Based Application**

* Root View Controller
* Navigation Controller, Bars and Items
* Button Bar Items
* Push/Pop Views

**Picker View**

* UIPickerView
* UIPickerViewDelegate
* UIPickerViewDataSource
* Date and Time Picker
* UIDatePicker
* NSTimer

**Table View**

* Table View  and Controller
* Table View Cellz
* Data Source
* Table View Delegate

**Popover (iPad Only)  
Split View (iPad Only)  
Browser View  
Alerting Users**

* Alert View
* Alert View Delegate
* Action Sheet
* Action Sheet Delegate

**Media and Images**

* UIImageView
* UI image
* animationImages
* Highlighted Animation Images
* UITouch
* UIGestureRecognize
* UIPinchGestureRecognizer
* Panning
* Zooming
* Rotating Image
* Playing Audio
* Responding to audio events.
* Playing audio in background
* Recording Audio
* Playing Video
* Photo Library
* UIImagePickerController
* Taking Pictures And Movies

**Processes and Threads**

* NSProcessInfo
* NSThread
* PerformInBackground
* GCD (Grand Central Dispatch)
* Synchronization

**Networking**

* NSURL
* NSURLRequest
* NSURLConnection
* XMLParser
* SCNetwork
* CFHTTP
* CFFTP
* CFSocket
* Web Server

**Working with SQLite**

* What Is SQLite?
* The SQLite Library
* Building a Simple Database
* Designing the Database
* Creating the Database
* Populating the Database
* Creating Records with the INSERT Command

**Working with Core Data**

* Introducing Core Data
* SQLite and Core Data
* Modeling Data in Xcode
* Building a Core Data Application
* Core Data-Related Cocoa Features
* Core Data Migration and Performance
* Application Integration using Web Services

**Location and Mapping**

* About Core Location
* Handling location updates
* About Map Kit
* Map Overlays
* Adding annotations

**Social Networks Integration**

* Flickr integration
* Twitter integration
* Facebook integration
* Youtube integration

**Real-Time Working Scenario**

* What is mercurial and  repository?
* What is IPA file?
* How to make an ipa file, upload a build to TestFlight? and upload app to app store?