iOS App Development  
CIS 399

Time & Place:  
July 27 - August 21, Summer Term 2016  
09:00 - 09:50 AM  
Straub Hall, Room 252  
Office Hours by appointment in Deschutes 100  
Questions accepted after lecture as time allows.

Text Book:  
We will be working from the documentation available in Apple’s Developer Library:  

Announcements / Collaboration:  
The course will utilize Piazza for announcements and collaboration. A link to join the course on Piazza will be provided during the first week of class.

Additional Resources:  
Additional resources can be found listed on the course website.

Instructor:  
Charles Augustine  
hyllus@cs.uoregon.edu

Course Description:  
An introduction to developing apps for iOS using Apple’s iOS 9.x SDK. An exploration of the Xcode tool suite and related tools, the Swift (and Objective-C) language(s), and the iOS conceptual model.
Course Objectives:
Design and implement an iOS application
Gain familiarity with iOS SDK:
- Swift 2.0 and related language concepts
- Cocoa Touch (UIKit) and Foundation/Swift Standard Library, Core Data, etc.
Learn to use Xcode and related tools:
- Code editor
- Interface Builder
- Developer documentation
- Version control (git)
- Debugger
- Instruments

Evaluation:
The grade received for the class will be based on project work, a midterm exam, and some homework assignments. Homework will be assigned to reinforce core concepts and prepare for the midterm and final project. A midterm exam will test that students have understood core concepts necessary for iOS development. After the midterm, each student will be expected to write a functional iOS application meeting a minimum set of criteria. In addition, to ensure that continuous progress is being made, progress will also be evaluated at various assigned project milestones as the class progresses towards the final project deliverable.

Students will pick their own project, with guidance to ensure it is of reasonable scope and allows for the exploration of the various topics covered by the course.

<table>
<thead>
<tr>
<th>Homework Assignments</th>
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<tbody>
<tr>
<td>Midterm Exam</td>
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<tr>
<td>Project Milestones</td>
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<tr>
<td>Final Project</td>
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Late Work:
Late work will not be considered for a grade unless an agreement for turning in the work in question is made with the instructor prior to the assigned due date. The maximum grade of the late work will be reduced at the instructors discretion based on the situation.
## Important Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1 6/27 - 7/1</td>
<td>Assignment 0 Due Tuesday 6/28 by 9:00 AM</td>
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<td>2 7/4 - 7/8</td>
<td>Assignment 1 Due Monday 7/4 by 9:00 AM</td>
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<td>3 7/11 - 7/15</td>
<td>Assignment 2 Due Monday 7/11 by 9:00 AM</td>
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| 4 7/18 - 7/22 | Assignment 3 Due Monday 7/18 by 9:00 AM  
Midterm Exam Friday 7/22 by 9:00 AM |
| 5 7/25 - 7/29 | Assignment 4 Due Monday 7/25 by 9:00 AM |
| 6 8/1 - 8/5 | Project Milestone 2 Due Monday 8/1 by 9:00 AM |
| 7 8/8 - 8/12 | Project Milestone 3 Due Monday 8/8 by 9:00 AM |
| 8 8/15 - 8/19 | Project Milestone 4 Due Monday 8/15 by 9:00 AM  
Final Project Due Friday 8/19 by 9:00 AM |