SYLLABUS FOR
iOS Application Development

<table>
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<tr>
<th>Dept. Course #</th>
<th>Instructor:</th>
<th>CRN</th>
<th>Department:</th>
<th>E-mail</th>
<th>Semester:</th>
<th>Theory hours:</th>
<th>Year:</th>
<th>Lab hours:</th>
<th>Credits:</th>
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<tbody>
<tr>
<td>CIS 106</td>
<td>Vani Thilagar</td>
<td>10851</td>
<td>Computer Science</td>
<td><a href="mailto:vthilagar@ccsnh.edu">vthilagar@ccsnh.edu</a></td>
<td>Fall 2013</td>
<td>2</td>
<td>2013-14</td>
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Catalog Description
This class is for anyone that would like to learn how to build an application for their iPhone, iPad, or iPod. This class provides theoretical and practical knowledge to design and build iOS based solutions on the Apple products. It will teach the students techniques in iOS development using the Objective-C programming language and the SDK, System Development Kit, and provide an understanding of the main technologies associated with the deployment of developed applications.

Course Objectives

1. Demonstrate a solid conceptual understanding technologies associated with the development of iOS Applications (apps) for use on devices including but not limited to iPhone, iPod Touch, and iPad such as the introduction to the SDK, Objective-C, working with gestures and touch, device capabilities and other emerging technologies.
2. Demonstrate the ability to create fully functioning object-oriented apps, using the Objective-C programming language for iOS devices.
3. Develop iOS apps using the latest tools, languages, techniques, and best practices.
4. Demonstrate an understanding of the technologies listed above associated with the deployment of iOS apps.

Outline of Topics:

1. The iOS SDK.
2. Objective C.
3. Designing Interfaces.
4. View Controllers.
5. Animations.
6. Images.
7. Gestures and Touch.
8. Building and using Controls.
10. Core Data.
11. User Interaction.
12. Device Capabilities.
14. Publishing iPhone/IPad applications.
Books that will be referred to:

iOS 6 Application Development for Dummies
Authors: Neal Goldstein, Dave Wilson
ISBN: 978-1-118-50880-0
Copyright Year: 2013
Publisher: John Wiley & Sons, Incorporated

The following books will be referred to on a need to basis.

Learn C on the Mac: For OS X and iOS [Paperback]
David Mark (Author), James Bucanek (Author)

Learn Objective-C on the Mac: For OS X and iOS [Paperback]
Scott Knaster (Author), Waqar Malik (Author), Mark Dalrymple (Author)

Other books and online sources will be used when required.

Computing Resources
A Macintosh computer with a latest OS installed
iPhone or iPad is not required for this course

Course Methodology: Lectures, notes and hands-on lab exercises. Students will be expected to do and submit programming assignments, quizzes, 1 term paper, final exam and final project.

Course Procedures:
1. Weekly course material will be posted on Tuesdays by 5:00pm.
2. I intend to use Blackboard for class related notifications but you’re welcome to email me using the school email address vthilagar@ccsnh.edu. I intend to post any notes, homework assignments and all announcements via Blackboard. So please make sure you check it at least every 2-3 days.
3. Please follow my instructions for submitting assignments which I shall post separately from this syllabus. PLEASE DO NOT EMAIL THE projects to my email account unless I specify so. That will be in the rare event that Blackboard is not functional.
Homework Policy: Homework assignments will be due on the specified date. If you cannot meet the date you will have to notify me ahead of time with an explanation. LATE HOMEWORK, unless excused due to a validated absence, will be downgraded. Several missed assignments will affect your homework grade, which could lower your grade average significantly.

Homework Format: I will specify the format for the different types of homework in Blackboard. Please follow the instructions carefully.

Term Paper Policy: You will be assigned 1 term papers of 1000 words with MLA styling and with no spelling errors. All writing assignments have to be in .doc or .docx or .rtf format. Please do not share your Google Doc or OpenDoc format document with me.

Grading and Evaluation:
40% - weekly programming and homework assignments.
10% - quizzes
10% - term paper
5% - Participation in online discussion forum
10% - final exam – **Failure to take the finals will result in an F.**
25% - Final project- **Failure to take the finals will result in an F.**

Email Policy: Please use the email address given to you by the college to email me. **There is no guarantee that I will receive emails from your other accounts.** Please also note that I plan to reply to your emails **to your college email account** within 48 hours or less during the week. Similarly, if I specifically send you an email asking you a question, I would like a reply within 3 days as well. Please also make sure that you explain the problem clearly. If I cannot understand what you’re asking me, I cannot help you very much.

Academic Adjustments: Under the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973, individuals with disabilities are entitled to academic adjustments with appropriate documentation. Students wishing to discuss services should contact the Heather Norcross-Geoffroy at 603-206-8142.

CAPS: The Center for Academic Planning and Support offers a variety of support services to NHCTC-Manchester students including peer and professional tutoring, career and transfer counseling, and ESOL support. There is no charge to students enrolled in credit-bearing courses.

Online Student Services: The LEARNING COMMONS button on our Blackboard site provides you with a connection to: The library, CAPS and, The Office of Online Teaching and Learning.
Policy on Make-Up Work/Tests: Quizzes, tests and exams cannot be made up unless due to extenuating circumstances. Please email me in such cases.

Academic Honesty: Plagiarism will not be tolerated. Plagiarism is defined as using or knowingly representing the words or ideas of another as one’s own in any academic exercise. Cheating is defined as using or attempting to use unauthorized materials, information, or study aids in any academic exercise or activity. Plagiarized work may result in a failing grade for the assignment or for the course.

Method of Reaching the Instructor: By email: vthilagar@ccsnh.edu
Or call the school and leave a message at the Academic Affairs office (603) 206-8010.

Course Grading System: (From Student Handbook)

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<thead>
<tr>
<th>Letter</th>
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<td>A</td>
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<td>73.33-76.66</td>
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<tr>
<td>A-</td>
<td>90.00-93.32</td>
<td>C-</td>
<td>70.00-73.32</td>
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<td>B+</td>
<td>86.67-89.99</td>
<td>D+</td>
<td>66.67-69.99</td>
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<tr>
<td>B</td>
<td>83.33-86.66</td>
<td>D</td>
<td>63.33-66.66</td>
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<tr>
<td>B-</td>
<td>80.00-83.32</td>
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<td>60.00-63.32</td>
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<tr>
<td>C+</td>
<td>76.67-79.99</td>
<td>F</td>
<td>Below 60</td>
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Blackboard/SIS

To log on to Blackboard:
Go to Blackboard: https://ccsnh.blackboard.com/webapps/login/ using your EasyLogin username and password

To log onto SIS:
Go to http://www.mccnh.edu/, select Quick Links and then Student Information System.

If you have trouble accessing Blackboard or SIS please contact ManchesterIT@ccsnh.edu
Student Information Sheet

Course Number: 10851

Course Name: CIS 106, iOS Application Development

Instructors must be able to contact students. It is the responsibility of the student to notify the Registrar’s Office of any changes, such as name, address, telephone or e-mail. You can update your contact information on the Student Information System (SIS) yourself.

1) Student Name:

________________________________________________________________________________________

Type the word ‘YES’ on the line below to indicate you have read and understood this syllabus document:

2) I have read and understood this syllabus document: __________

ADDED INFORMATION: (This will help me tailor the homework and projects to better meet your needs).

5) Is this your first programming/computer science class? : (Yes/No) ______

6) If you answered No to the previous question – what courses/classes/workshops have you done related to the above topics?

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