Syllabus

Course Number: MSSE 652
Course Title: iOS Enterprise Software Development

Course Description:
Introduces advanced features of iOS software development including techniques for integrating web services and the use of other APIs for app development. Students will develop a distributed software project using XCode and other development tools.

Prerequisite Courses:
MSSE 650 iOS Software Development

Course Overview
Covers various concepts of enterprise mobile computing, including the use of REST web services, social media integration, cloud storage, and web sockets using both internal and external frameworks.

Course Outcomes:
Upon completion of this course, learners should be able to:
• Create storyboards to design the overall user experience of an iOS app.
• Employ web services to integrate external services.
• Use threads in the design and development of an iOS app to enhance responsiveness.
• Integrate Social Media sites into iOS app.
• Use iCloud to persist selected user information.
• Employ sockets to communicate with an external application server

Course Materials:

Required Texts:
None

Required Resources:
From the Expert presentations – provided in the Discussion forum.
**Technology Tools:**

Xcode


**Optional Materials:**

None

**Pre-Assignment:**

**Online Format:** Sign on to D2L (Home Page) and become familiar with the course navigation of the Course Curriculum. Download and install Xcode.

**Classroom-based Format:**

Download and install Xcode.

**Pre-Assignment Due Dates:**

**Classroom-based Format:** Monday, of the first week of class.

**Online Format:** Monday, of the first week of class.

**Course Assignments and Activities:**

<table>
<thead>
<tr>
<th></th>
<th>Topics</th>
<th>Readings</th>
<th>Activities Assignments and Associated Points</th>
</tr>
</thead>
</table>
| 1 | Storyboarding | From the Expert Presentation | Introductions – due by Wednesday of Week 1  
Week 1 Discussion Questions/threads  
Week 1 Course Project – Xcode Storyboard |
| 2 | Web Services | From the Expert Presentation | Week 2 Discussion Questions/threads  
Week 2 Course Project – Design a Client Service |
| 3 | Alamofire    | From the Expert Presentation | Week 3 Discussion Questions/threads  
Week 3 Course Project – Alamofire |
| 4 | Alamofire    | From the Expert Presentation | Week 4 Discussion Questions/threads  
Week 4 Course Project – Alamofire |
| 5 | Social Media | From the Expert Presentation | Week 5 Discussion Questions/threads  
Week 5 Course Project – Social Media Integration |
| 6 | iCloud       | From the Expert Presentation | Week 6 Discussion Questions/threads  
Week 6 Course Project – iCloud |
| 7 | Sockets.IO   | From the Expert Presentation | Week 7 Discussion Questions/threads  
Week 7 Course Project – Sockets.IO |
8 | Sockets.IO | From the Expert Presentation | Week 8 Discussion Questions/threads
| | | | Week 8 Course Project – Sockets.IO
| | | | Maximum Points Possible: 100

**Course Policies and Procedures:**
None

**Student Evaluation Grid:**

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Weighted Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly Discussion Threads</td>
<td>20%</td>
</tr>
<tr>
<td>Weekly Project Assignments</td>
<td>80%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>100 %</td>
</tr>
</tbody>
</table>

**CC&IS Grading Scale**

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93 to 100</td>
<td>4.00</td>
</tr>
<tr>
<td>A–</td>
<td>90 to less than 93</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>87 to less than 90</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>83 to less than 87</td>
<td>3.00</td>
</tr>
<tr>
<td>B–</td>
<td>80 to less than 83</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>77 to less than 80</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>73 to less than 77</td>
<td>2.00</td>
</tr>
<tr>
<td>C–</td>
<td>70 to less than 73</td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>67 to less than 70</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td>63 to less than 67</td>
<td>1.00</td>
</tr>
<tr>
<td>D–</td>
<td>60 to less than 63</td>
<td>.67</td>
</tr>
<tr>
<td>F</td>
<td>Less than 60</td>
<td>0</td>
</tr>
</tbody>
</table>

Additional information about grading can be found in the latest edition of the University Catalog, available at [http://www.regis.edu/Academics/Course%20Catalog.aspx](http://www.regis.edu/Academics/Course%20Catalog.aspx).

**CC&IS Policies and Procedures**
Each of the following CC&IS Policies & Procedures is incorporated here by reference. Students are expected to review this information each term, and agree to the policies and procedures as
identified here and specified in the latest edition of the University Catalog, available at http://www.regis.edu/Academics/Course%20Catalog.aspx or at the link provided.

- The CC&IS Academic Integrity Policy.
- The Student Honor Code and Student Standards of Conduct.
- Incomplete Grade Policy, Pass / No Pass Grades, Grade Reports.
- The Information Privacy policy and FERPA. For more information regarding FERPA, visit the U.S. Department of Education.
- The HIPPA policies for protected health information. The complete Regis University HIPAA Privacy & Security policy can be found here: http://www.regis.edu/About-Regis-University/University-Offices-and-Services/Auxiliary-Business/HIPAA.aspx.

The CC&IS Policies & Procedures Syllabus Addendum summarizes additional important policies including, Diversity, Equal Access, Disability Services, and Attendance & Participation that apply to every course offered by the College of Computer & Information Sciences at Regis University. A copy of the CC&IS Policies & Procedures Syllabus Addendum can be found here: https://in2.regis.edu/sites/ccis/policies/Repository/CCIS%20Syllabus%20Addendum.docx.