Course description to appear in catalog:
Advanced course in iPhone/iPad Application Programming environment and use of Apple’s System Development Kit (SDK) to develop and deploy data driven applications on iPhone/iPad. Topics include data modeling, databases using core data, SQLite and MySQL, interfaces to web services, application design and implementation of data driven applications. Creation of advanced iPhone/iPad applications. Repeatable for credit: No May be taken 3 times for credit.
Pre-Enrollment Criteria: Prerequisite: CIS 2592 iPhone/iPad Application Development with a grade of "NA" or better, or equivalent. Consent of instructor or

A. General Course Objectives:
Upon successful completion of the course the student should be able to do the following:

Use core data between the iOS (iPhone operating system) and the Desktop
Analyze data into data entities
Transfer data with Table View Controllers
Manage Web Services
Define predicate databases
Describe Multiple Operating System Controllers
Design data for applications
Implement data design
Optimize performance and memory for mobile applications
Manage blobs in data
Assess Core Data
Assess SQL data from an outside vendor

B. Topical Outline:

Core data between iOS and desktop
Data Modeling
Table View Controllers
Web Services
Compound predicates
Object Models
Multiple View controllers
Application implementation
Performance and memory
Blob Management
Core data troubleshooting
MySQL client in the iOS

C. Methods of Evaluating Students:
1. Methods of evaluation must include a combination of tests, quizzes, projects, participation, assignments, and attendance.

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<tr>
<th>MARY ANN ZLOTOW</th>
<th>03-24-2012</th>
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<tbody>
<tr>
<td>Initiator</td>
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<td>Sponsor</td>
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