1. **Course number and name**  
   CptS 479: Mobile Application Development

2. **Credits and contact hours**  
   3 credits, 3 lecture hours

3. **Instructor’s or course coordinator’s name**  
   Lawrence Holder

4. **Textbook, title, author, and year**  
   No textbook

5. **Specific course information**  
   a. **Catalog description:**  
      Introduction to mobile application programming using iOS.  
      Complete iOS development life cycle from design, implementation and testing to  
      deployment. Experience with a variety of iOS capabilities including  
      storyboarding, navigation, user interaction, sensors, communications, graphics  
      and sound.
   b. **Prerequisites or corequisites:**  
      Advanced Data Structures (CptS 223).

6. **Specific goals for the course**  
   By the end of the course, students will be able to  
   - Setup iOS development environment (1d, 1e)  
   - Design, implement, test and deploy an iOS application (1d, 1e, 2a, 2g, 3a, 6a, 7a,  
     7c, 7d, 7f)  
   - Be familiar with main iOS frameworks (1d, 1e)

7. **Brief list of topics to be covered**  
   - Swift  
   - UI Design and Storyboarding  
   - Navigation and Segues  
   - Tables  
   - Settings  
   - Notifications  
   - Gestures  
   - Sensors  
   - Communications  
   - Data Storage  
   - Graphics and Animation  
   - Multimedia  
   - Apple Watch