Course Information
CSCI 419 – Mobile Device App Development

Professor
Dr. Roger Webster
CSCI Office R137
(717) 872-3539
roger.webster@millersville.edu

Prerequisites
CS362

Required Textbook

Goals
This course will provide students with the skills necessary to design, develop, and deploy mobile device applications (app) technology. The intent of the course is to provide the student with a solid technical foundation for developing mobile device apps. Emphasis is placed on introducing students to the development environments, software and hardware limitations, and GUI development and event handing concepts when developing code to be executed on small handheld devices. The course will concentrate on applying the fundamental programming and development concepts in computer science to mobile device environments. This course includes a laboratory component for example using Android/Java and IOS/iPhone/iPad Apps development environments. The successful student will learn the fundamental concepts of mobile device development and learn the techniques for building mobile device apps. Students will also learn how to write networked mobile apps that interact with remote services such as GPS, Bluetooth services, wireless hubs and devices, and web based client/server data systems.

Grading
Programming Assignments 35%
Midterm Exam 25%
Final Exam 25%
Quizzes 15%

Each quiz or test may contain a laboratory component. Pop quizzes may take place without prior notice.

Attendance and Class Participation
You are expected to attend class regularly, read the textbook, complete assigned problems, participate in class discussions, and work productively in the laboratory. When you come thru the door of the classroom either during lab or class make sure your phones and ipods are shut off and put away. When you leave the classroom you may then turn them on. No vibrate mode, turn them all the way off. If you use your phone in any way (answer, call, text, etc) you will be escorted out of the classroom and you will receive a grade of “F” for the class participation for that day. If there is a quiz during that period you will receive a grade of “F” for that quiz and for anything else we do.

Make-up Quizzes/Tests/homework/Programs
There are no make-up quizzes, tests, programs or homework without official MU documented absence. If you miss a quiz or a test or homework you will receive a zero grade for that quiz/test/homework. There are no late programs. Programs must be delivered by the time and date specified for the assignment. Submit what you have for partial credit. If you develop your programs incrementally, you will have something to turn in.