Fall 2015

CSCI 4661

Daniel Ray Ward

University of New Orleans
CSCI 4661: Mobile Applications with Android  
Fall 2015

Instructor:
Daniel Ward  
Office: CERM 217/Math 320  
Office Hours: T-Th 5-6pm  
Email: drward3@uno.edu  
* Other hours are by appointment

Suggested Prerequisite:
Credit in CSCI 2467 and CSCI 4401

Meeting:
T, Th 6:00 - 7:15 PM  
Location: Math 320

Textbook:
Android for Programmers: An AppDriven Approach (2nd Edition)  
Prentice Hall  
9780133570922

Description:
Introduction to programming applications for the Android platform. The course explores the key concepts of Android application programming. Students will learn about the UI system, activity lifecycle, sensors, networking, threading, and application compatibility.

Student Learning Outcomes:
Upon completion of this course students will be able to apply good programming practices to create a complete Android application that can be published in the Google Play Store. In addition student will learn how to interact with web based APIs and 3rd party services to enhance the engagement value of their applications.

Topics:
Android Development Tools  
Android UI system  
Activity lifecycle  
Sensors  
Networking  
Asynchronous tasks  
Notifications  
Animations  
Performance analysis  
Application publication
Exams:
There will be a written midterm exam that will make up 20% of the final grade. The final exam will be a two part exam, with a written exam in class (20%). The second part will be a project that will be assigned during the course of the semester (20%).

Homework:
Homework will be small projects. The goal will to be have a project every 2 weeks.

Labs:
There will be some hands on labs, which will be used to determine the level of understanding students have attained during the course of the semester.

Grading:
- Attendance: 10%
- Homework projects: 30%
- Labs: 10%
- Midterm project: 20%
- Final project: 30%

Academic Integrity:
Students are expected to conduct themselves according to the principles of academic integrity as defined in the statement on Academic Dishonesty in the UNO Student Code of Conduct. Any student or group found to have committed an act of academic dishonesty shall have their case turned over to the Office of Student Accountability and Advocacy for disciplinary action which may result in penalties as severe as indefinite suspension from the University. Academic dishonesty includes, but is not limited to: cheating, plagiarism, fabrication, or misrepresentation, and being an accessory to an act of academic dishonesty.

Accommodations for Students with Disabilities:
It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students who seek accommodations for disabilities must contact the Office of Disability Services prior to discussing their individual needs for accommodation with their instructors.