

Eastern Kentucky University
Department of Computer Science
CSC 309 Syllabus – Mobile App Development for Android
Spring 2014 (CRN 99999)

Instructor: Eugene Styer
Email: Eugene.Styer@eku.edu

Office: Wallace 404
Phone: 622-1930
Hours: 10:00 – 11:00

Catalog Description:

Prerequisite: CSC 191 with a minimum grade of “C”. Introduction to developing mobile device web sites and applications for Android. Topics include development tools, APIs, user interfaces, mobile-specific technologies and application design.

Textbooks:

- James Steele & Nelson To, *Android Developer's Cookbook, The: Building Applications with the Android SDK*, Pearson/Prentice Hall, 2008

Student Learning Outcomes:

Students will be able to:

- Describe the structure of a web application including HTML5 and CSS3
- Understand how to make a web site focused on mobile devices
- Demonstrate the ability to create a basic native Android application
- Understand how to interact with the user and phone capabilities
- Integrate knowledge of the interface and capabilities to create a user-friendly Android application.

Estimated Course Schedule

Date(s)	Topic(s)	Chapter
Week 1	HTML5	Notes
Week 2	Adapting Pages for Mobile Devices with Media Queries Making Your Site Available Offline	Notes
Week 3	Introducing jQuery Mobile	Notes
Week 4	Diving Deeper into jQuery Mobile	
Week 5	Overview of Android Application Basics: Activities and Intents	1, 2
Week 6	Threads, Services, Receivers, and Intents	3
Week 7	User Interface Layout	4
Week 8	User Interface Events	5
Week 9	Multimedia Techniques	6
Week 10	Hardware Interface	7
Week 11	Networking	8
Week 12	Data Storage Methods	9
Week 13	Location-Based Services	10
Week 14	Advanced Android Development	11
Week 15	Debugging	12

Grading and Evaluation Policies:

There will be approximately 10 programming assignments. There will be a 5 point deduction for each day an assignment is late, up to a maximum of 60 points.

Grade Components

Assignments	35%
First written exam.....	20%
Second written exam	20%
Comprehensive final exam.....	25%

- A: 90-100 overall AND at least 80% in both exam and assignment categories
- B: 80-89 overall AND at least 70% in both exam and assignment categories
- C: 70-79 overall AND at least 60% in both exam and assignment categories
- D: 60-69 overall AND at least 60% in both exam and assignment categories
- F: 0-59 overall

Student Progress:

Student progress will be available on the ECU Blackboard System.

See the *Colonel's Compass* for the final exam schedule, last day to drop full semester courses and other important dates.

Attendance Policy:

Attendance will be taken at all classes. Unexcused absences in excess of 10% of the scheduled lecture/lab meetings will **result in a one letter grade reduction for the course**. Unexcused absences in excess of 20% of the scheduled lecture/lab meetings will **result in a two letter grade reduction for the course**. Unexcused absences in excess of 30% of the scheduled lecture/lab meetings **will result in a three letter grade reduction for the course**. Students with unusual circumstances should advise the instructor of their situation immediately. Students will be held responsible for all announcements made in class.

Students with Disabilities:

A student with a "disability" may be an individual with a physical or mental impairment that substantially limits one or more major life activities such as learning, seeing or hearing. Additionally, pregnancy or a related medical condition that causes a similar substantial limitation may also be considered a disability under the ADA.

If you are registered with the Office of Services for Individuals with Disabilities, please obtain your accommodation letters from the OSID and present them to the course instructor to discuss any academic accommodations you need. If you believe you need accommodation and are not registered with the OSID, please contact the office in the Whitlock Building Room 361 by email at disserv@ecu.edu or by telephone at (859) 622-2933. Upon individual request, this syllabus can be made available in an alternative format.

Academic Integrity Statement

Students are advised that ECU's Academic Integrity policy will strictly be enforced in this course. The Academic Integrity policy is available at www.academicintegrity.ecu.edu. Questions regarding the policy may be directed to the Office of Academic Integrity.

Students are expected to do all assignments independently, unless explicitly told otherwise. The official definitions of cheating and plagiarism can be found in the Academic Integrity policy.

Official E-mail:

An official ECU e-mail is established for each registered student, each faculty member, and each staff member. All university communications sent via e-mail will be sent to this ECU e-mail address.