**Department of Computer Science**

**CSC 309 – Mobile App Dev for Android**

**Fall 2019 (CRN 12817)**

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| Instructor: | Eugene Styer | Office: | Wallace 405 |
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|  |  | Hours: | TWThF 1:00-2:00 |

**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.

**Textbook:**

Trish Cornez and Richard Cornez, *Android Programming Concepts*, Jones & Bartlett, ISBN 978-1-284-07070-5

**Student Learning Outcomes:**

Students will be able to:

* 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**

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| --- | --- | --- |
| **Date(s)** | **Topic(s)** | **Chap** |
| 8/20, 8/22 | Introduction | 1 |
| 8/27, 8/29, 9/3 | Building User Interfaces and Basic Applications | 2 |
| 9/5, 9/10, 9/12 | Activities and Intents | 3 |
| 9/17, 9/19, 9/24 | Fragments, ActionBar, and Menus | 4 |
| 9/26 | Test 1 |  |
| 10/1, 10/3,10/8 | Graphics, Drawing, and Audio | 5 |
| 10/10, 10/17, 10/22, 10/24 | Threads, Handlers, and Programmatic Movement | 6 |
| 10/29, 10/31 | Touch Gestures | 7 |
| 11/5, 11/7 | Sensors and Camera | 8 |
| 11/12 | Test 2 |  |
| 1/14, 11/19, 11/21 | File Storage, Shared Preferences, and SQLite | 9 |
| 11/26, 12/3 | Other Topics | Notes |
| 12/5 | Review |  |

**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 50 points.

There will also be one group project

**Grade Components**

Assignments 30%

Group Project 10%

First written exam 18%

Second written exam 18%

Comprehensive final exam 24%

* 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 EKU Blackboard System.

**Important Dates:**

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.

**Accessibility Accommodation Statement**

Eastern Kentucky University strives to make all learning experiences as accessible as possible. Students registered with the Center for Student Accessibility (CSA), should request accommodation letters from the CSA office. The Center for Student Accessibility will email your academic adjustment letter to you, or you may stop by the office for a hard copy. You will provide your letter to the course instructor(s) immediately. We strongly recommend that you discuss the accommodations needed with your instructor(s).

Students, who need an accommodation for a documented medical, mental health, or learning difference, may register online at accessibility.eku.edu/applying-services, or if you have questions, you may email the CSA office at accessibility@eku.edu or telephone at (859) 622-2933.

The Americans with Disabilities Amendments Act (ADAAA) does not consider pregnancy a disability.​ Students needing accommodations due to pregnancy should contact EKU’s Office of Equity and Inclusion, (859) 622-8020 john.dixon@eku.edu.

Upon individual request, this syllabus can be made available in an alternative format.

**Academic Integrity Statement**

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

For current University policies and regulations, please go to EKU's Policy Website.

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.

**Non-Discrimination and Harassment, Title IX, and Prevention Statement**

**EKU is committed to a respectful and inclusive environment and thus prohibits discrimination, harassment, or violence of any kind. The university supports and promotes a safe, violence-free campus through Green Dot Prevention and Education programming. To learn more about Green Dot, request a presentation, or get involved, go to http://greendot.eku.edu/.**

**EKU's commitment also requires faculty members to report any information that may indicate that discrimination, harassment, or violence has affected any member of the University community. If you would like to obtain confidential help from someone who does not have to report the information, please go to http://titleix.eku.edu/resources for resources. The Non-Discrimination and Harassment policy is available here and questions regarding the policy may be directed to the Director of the Office of Equity and Inclusion & Title IX Coordinator.**

**Official E-mail:**

An official EKU 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 EKU e-mail address.