

## Programming Mobile Devices II (CSC 263, CRN 3095)

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**Office Hours** Monday & Wednesday 10:00AM – 12:00PM

Friday 10:00AM – 11:00AM

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### Days and Time:

Monday & Wednesday 1:45PM – 3:05PM & Online

### Room:

S313

### Text and Supplies:

- Kotlin for Android Developers, by Antonio Leiva, <https://leanpub.com/kotlin-for-android-developers>
- <https://kotlinlang.org/docs/tutorials/kotlin-android.html>
- <https://developer.android.com/kotlin/get-started>
- USB Flash Memory Stick

### Description:

- Builds on the knowledge gained in CSC\* 262 by enabling the student to specialize in development on a single device. The device is chosen prior to offering the class. All aspects of the development are covered in the context of the device.

### Goals:

- Basic understanding of the Kotlin programming language
- Understand and describe the Model View Controller software pattern
- Create and debug a basic native application for the Android platform
- Explore the challenges of an effective user experience for native application

### Grading:

The final grade will be based on the following components. Registration for this course means that the student agrees to fulfill the requirements for this course. Students should make every effort to take the examinations and complete the laboratory projects and the homework assignments.

If a student is absent or late, the student is responsible for getting the course notes, handouts, and any laboratory assignments missed.

Component	Weight
In class assignments	20%
Homework assignments	30%
Quizzes	20%
Final Exam	20%

## Class participation and attendance

10%

Class participation can be accumulated by asking and answering questions, presenting solutions. All lectures will be very interactive and I expect each of you to participate actively in class, especially when you will be working on assignments.

Regular attendance is required and expected by Gateway Community College and for this class. In case of an absence, notify me via email prior to the class. You are still responsible for any missed material and completing all work by the assigned due dates. You should contact another student in the class to get notes, assignments and any other information from the class that you missed. Unexcused absences and attending class late will result in a reduction of your grade, up to 10%.

Student Grades shall be consistent with Gateway Community College's Grading Policy. Students who are having difficulties with their course work and need assistance are strongly encouraged you to use the lab assistant that are provided.

## Grading System

Gateway Community College's values for grades awarded which are used for the calculation of grades, averages and related matters are as follows:

Letter Grade	Point Ranges	Grade Point Value
A	93 - 100	4.00
A-	90 - 92	3.667
B+	87-89	3.333
B	83-86	3.000
B-	80-82	2.667
C+	77-79	2.333
C	73-76	2.000
C-	70-72	1.667
D+	67-69	1.333
D	65-66	1.000
D-	60 – 64	.667
F	0 - 59	0.000

## Course Policies:

### Late Tests, Assignments & Projects

**Tests, assignments and projects must be turned in on time to receive full credit.**

### Student Conduct in Class Policy

Any acts of classroom disruption that go beyond the normal rights of students to question and discuss with instructors the educational process relative to subject content will not be tolerated, in accordance with Gateway Community College's Academic Code of Conduct as described in the Gateway Community College's Student Handbook.

### Examination Policy

To prepare for examinations attend lectures and study all the material either provided or referenced in class. Most of the questions and exercises included in the assignments will be taken directly from the reading material assigned. Review all the material in preparation for the tests.

### Incomplete Policy

Students will not be given an incomplete grade in the course without sound reason and documented evidence as described in the Gateway Community College's Student Handbook. In any case, for a student to receive an incomplete, he or she must be passing and must have completed a significant portion of the course.

### Students with Disabilities

Any student who feels s/he may need special accommodations based on the impact of a documented disability, please contact the office of Student Disability Services at 203-285-2231 in room S-202 to coordinate reasonable accommodations. Students then should contact the professor privately to discuss specific needs.

### List of topics (subject to change)

The following is the list of chapters that we are going to cover from the book *Kotlin for android developers*

- 1 Introduction
- 2 Getting ready
- 3 Creating a new project
- 4 Classes and functions
- 5 Writing your first class
- 6 Variables and properties
- 7 Anko and Extension Functions
- 8 Retrieving data from API
- 9 Data Classes
- 10 Parsing data
- 14 Visibility Modifiers