

**MIAMI DADE COLLEGE**  
**Engineering + Technology Department, Wolfson Campus**  
**COP 2660 Android Application Development I**  
**Reference Number: 830592**  
**COURSE SYLLABUS**  
**Spring Term 2015: January 6<sup>th</sup>, 2015 – February 25<sup>th</sup>, 2015**  
**Monday and Wednesday 9:00AM-12:15PM, Room 7109**

<b>Instructor:</b> Adnan Zejnilovic	<b>Email:</b> <a href="mailto:azejnilo@mdc.edu">azejnilo@mdc.edu</a>
<b>Office:</b> Wolfson Campus – 7159 <b>Office Phone:</b> 305.237.3928 <b>Department Phone:</b> 305.237.3676	<b>Office Hours</b>  <b>Monday:</b> 08:30 AM - 9:00 AM 12:25 PM - 01:15 PM 03:05 PM - 04:40 PM <b>Tuesday:</b> 08:30 AM - 09:00 AM 11:20 AM - 11:30 AM 01:15 PM - 02:00 PM <b>Wednesday:</b> 08:30 AM - 9:00 AM 12:25 PM - 01:15 PM 03:05 PM - 04:40 PM <b>Thursday:</b> 08:30 AM - 09:00 AM 11:20 AM - 11:30 AM 01:15 PM - 02:00 PM 03:30 PM - 05:40 PM
	<b>LMS:</b> <a href="http://toyocat.net/moodle">http://toyocat.net/moodle</a>

## **COURSE DESCRIPTION**

This course teaches the principles of Android application development for majors in Computer Science, Computer Information Systems, and related disciplines. Students will learn how to create mobile applications for deployment to Android smartphones, tablets or simulators utilizing open source software (Java, Eclipse IDE, Android Plug-In and Android SDK) for development. Emphasis will be placed on the underlying Android framework to create quality applications.

Prerequisite: COP 1334. Laboratory fee. ( 3 hr. lecture, 2hr. lab )

## **Course Competencies**

Upon successful completion of this course, you will be able to:

- Demonstrate an understanding of the Android framework
- Demonstrate an understanding of a modern Integration Development Environment (IDE)
- Demonstrate how to create applications and activities
- Apply and synthesize knowledge of user interface design
- Demonstrate knowledge of intents
- Demonstrate knowledge of creating and using dialogs
- Demonstrate an understanding of broadcast receivers
- Demonstrate knowledge of adapters
- Demonstrate knowledge of data persistence

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## **Miami Dade College – General Education Learning Outcomes**

**Purpose:** Through the academic disciplines and co-curricular activities, General Education provides multiple, varied, and intentional learning experiences to facilitate the acquisition of fundamental knowledge and skills and the development of attitudes that foster effective citizenship and life-long learning. As graduates of Miami Dade College, students will be able to:

1. Communicate effectively using listening, speaking, reading, and writing skills.
  - a. *This outcome is not reinforced in this course.*
2. Use quantitative analytical skills to evaluate and process numerical data.
  - a. *This outcome is not reinforced in this course.*
3. Solve problems using critical and creative thinking and scientific reasoning.
4. Formulate strategies to locate, evaluate, and apply information.
  - a. *This outcome is not reinforced in this course.*
5. Demonstrate knowledge of diverse cultures, including global and historical perspectives.
  - a. *This outcome is not reinforced in this course.*
6. Create strategies that can be used to fulfill personal, civic, and social responsibilities.
  - a. *This outcome is not reinforced in this course.*
7. Demonstrate knowledge of ethical thinking and its application to issues in society.
  - a. *This outcome is not reinforced in this course.*
8. Use computer and emerging technologies effectively.
9. Demonstrate an appreciation for aesthetics and creative activities.
10. Describe how natural systems function and recognize the impact of humans on the environment.
  - a. *This outcome is not reinforced in this course.*

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## TEXTBOOK AND SUPPLIES (Required by the second class)

### Textbook:

*Android Programming* —by Bill Phillips and Brian Hardy  
Publisher: Pearson Education  
ISBN-13: 978-0-321-804334

### Supplies:

One (1) USB Flash Drive to copy required data files  
Online storage (Evernote, Dropbox, Box.net, etc.)

### Technology Requirements:

#### Computer with the following hardware:

- CD or DVD drive

#### Software:

- Windows 7 or 8, Linux, MAC iOS
- Eclipse ([www.eclipse.org](http://www.eclipse.org))
- Android Development Tools (ADT)  
(<http://marketplace.eclipse.org/content/android-development-tools-eclipse>)
- Installation Instructions (<http://developer.android.com/sdk/installing.html>)

LMS: <http://toyocat.net/moodle>

## Course Evaluation

All assignments are assigned a due date and are expected to be handed in on that date. All assignments and exams are graded as indicated on the assignment or exam. If the assignment is not handed in on the due date **5** points will be deducted from the final score for each day the assignment is late. **The FINAL DAY to hand in a late assignment is the day of the next class meeting.** Weekends and holidays are not considered late days. If an assignment is late due to an unforeseen circumstance please notify me. Makeup exams are only given in extenuating circumstances (i.e. Death, hospitalization, changed work schedules, business trips, etc.).

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## Assessments and Grades

Individual score will be calculated as follows:

**Programming Exercises Score = Assigned Points - Late points**

The final score will be calculated as follows:

**Programming Exercises (A) =**  
**(Total Programming Exercises Scores / Total Programming Exercises Points) \* .50**  
**Quizzes (B) = Total Quiz Scores \* .20**  
**Midterm Exam(C) = Total Sectional Exams Score \*.10**  
**Final Exam (D) = Final Exam Score \* .20**  
**Final Score = A + B + C + D**

Final grades are determined through a weighted average of midterm and final examinations, quizzes, laboratory and homework assignments, class participation, and attendance. Your final grade in the course will be based on the following:

(A) Programming Exercises	50%
(B) Quizzes	20%
(C) Midterm Exam	10%
(D) Final exam	20%
<hr/>	
	100%

After your numerical grade has been calculated, your letter grade will be determined as follows:

<u>Final Score</u>	<u>Final Grade</u>
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
< 60	F

## COURSE POLICIES

### 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 the Academic Code of Conduct described in the Student Handbook. Only in extreme cases are children allowed in classroom or laboratory facilities, and then only with approval of the instructor prior to class.

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### **Electronic Devices In-Class Policy**

Cellular telephones, pagers, and other electronic devices must be silenced in the classroom and laboratory facilities. Students who must use such devices are permitted to do so outside of the classroom.

### **Examination Policy**

Make-up or late work will be accepted only in extreme cases and with appropriate documentation. To prepare for examinations, attend lecture and read the chapters.

### **Incomplete Policy**

Students will not be given an incomplete grade in the course without sound reason and documented evidence as described in the 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.

### **Academic Honesty**

Students are expected to uphold the school's standard of conduct relating to academic honesty. Students assume full responsibility for the content and integrity of the academic work they submit. The guiding principle of academic integrity shall be that a student's submitted work, examinations, reports, and projects must be that of the student's own work.

### **Attendance Policy**

The instructor reserves the right to drop any student who misses three or more classes. Consult the student handbook for relevant dates regarding dropping with a 'W'.

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## Class Schedule, Assignments, and Exams

The following is a tentative schedule for the course. The instructor reserves the right to make schedule changes based on the needs of the students. Please see LMS: [TBA](#).

Week	Date	Activity	Read and Complete
	01/07/15	Class Requirements and Introduction	
2	01/12/15	<i>01/12/2015 Last Day to Drop With Refund</i> Getting Familiar with Eclipse Chapter 1	
	01/14/15	Chapter 2 Chapter 3	
3	01/19/15	<b>HOLIDAY – Martin Luther King Jr. Day</b>	
	01/21/15	Chapter 4 Chapter 5	
4	01/26/15	Chapter 5 Chapter 6	
	01/28/15	Chapter 7 Chapter 8	
5	02/02/15	Midterm Exam	
	02/04/15	Chapter 9 Chapter 10	
6	02/09/15	Chapter 11 Chapter 12	
	02/11/15	Chapter 13 Chapter 14	
7	02/16/15	<b>HOLIDAY – President's Day</b>	
	02/18/15	Chapter 15 Chapter 16	
8	02/23/15	Chapter 17	
	02/25/15	Final Exam	