

# COSC 3P97

## Mobile Computing

### 2019/20

#### Course Description

COSC 3P97 is an introduction to the development of applications for mobile devices such as smart phones and tablets. These devices have their own unique constraints and operating environments differing from traditional computing environments. The course will concentrate on a particular environment—Android—as an example of such development. Students will get experience with mobile app development.

#### Course Website

<http://www.cosc.brocku.ca/offerings/cosc3p97>

#### Staff

Instructor	Marker/Graders
Earl Foxwell, D410, x6125, efoxwell@brocku.ca	Sajal Saha

#### Textbook

*Android Programming Unleashed*; Harwani, B.M.; Sams (2012/3); ISBN-13 978-0-672-33628-7 available: Campus Store, informIT (<http://www.informit.com/store/android-programming-unleashed-9780672336287>).

#### Software

Android Studio, Java 1.8.0

#### Distribution of Grades

Activity	Mark
Assignment 1	10%
Assignment 2	10%
Project Proposal	10%
Presentations	25%
Project	45%

#### Notes

- As part of Brock University's commitment to a respectful work and learning environment, the University will make every reasonable effort to accommodate all members of the University community with disabilities. If you require academic accommodations related to a permanent disability to participate in this course, you are encouraged to contact the Student Development Centre Services for Students with Disabilities (4th Floor Schmon Tower ext. 3240) and also to discuss these accommodations(s) with the professor/instructor.
- Assignment and project descriptions will be available on-line. Late assignments (and the project) will not be accepted without prior arrangement. The penalty for a missed (or late) submission is 100%.
- Submitted program code will be carefully examined regarding plagiarism. Cases of suspected plagiarism will be dealt with according to the University regulations and Departmental procedures. MOSS (Measure Of Software Similarity) will be used to electronically compare assignments for the purpose of detection and prevention.
  - Please note that distributing course/university material outside of Brock may constitute both Academic and Non-Academic Misconduct
- Consideration regarding illness for assignment or project submission will only be considered if accompanied with the completed Departmental Medical Excuse form (available on the COSC website). Forms must be submitted within 3 working days of return from illness.
- Attendance at project presentations is **mandatory**. Of the 25% Presentations mark, 5% is awarded for attendance and not being a jerk.
- November 5<sup>th</sup> is the last day for voluntary withdrawal without academic penalty. 15% should be available to students by November 1<sup>st</sup>.

### Tentative Lecture Schedule

Week	Date	Topics
1	Sept 4	Mobile Computing, The Android Platform
2	Sept 11	Android Interface Basics
3	Sept 18	Layout and Containers
4	Sept 25	Resources & Media
5	Oct 2	Selection
5	Oct 9	Dialogs & Fragments
6	Oct 14–18	Thanksgiving and mid-term break
7	Oct 23	Menus, Databases
8	Oct 30	Services, Launching Activities
9	Nov 6	Messaging, Content Providers
10	Nov 13	We'll see?
11, 12	Nov 20, Nov 27	Presentations

Course content generously provided by Dr. David Hughes.