CIS*4030 Mobile Computing
0.50 Credits – Undergraduate – Winter 2021 [online]
School of Computer Science – University of Guelph

Lectures: Tuesdays & Thursdays, 1430-1550

Instructor Details:	**Teaching Assistant Details:**
David Flatla <*cis4030@socs.uoguelph.ca*>	Patrick Houlding <*cis4030@socs.uoguelph.ca*>
Office hours: Fridays 1pm-3pm (by appt)	Connor Geddes <*cis4030@socs.uoguelph.ca*>

Course Website: https://courselink.uoguelph.ca/d2l/home/667696
The course website will be used to post any materials, announcements, and assignment specifications and grades. You are responsible for checking this site regularly.

Textbook: There is no textbook for this class.

Course Prerequisites: CIS*2030, CIS*2750, CIS*3110

Course Description: This course introduces students to mobile computing and mobile application development. It examines mobile technology, application development, user interaction, data storage, and software tools.

Online Plan: My goal for CIS*4030 this semester is to be predictable and reasonable. No component of this course will be in-person. There will be no midterm or final exam. Due dates have automatic extensions. I don't plan any lectures, so this is largely self-directed learning. All questions and conversations should take place in the Discussion Forum on the course website, where we'll be available multiple times each week to help out.

Course Objectives: The purpose of this course is to help you become familiar with the technical skills and experience necessary to be competitive for an entry-level Cross-Platform/Android Developer job. You will start by becoming familiar with 3 approaches to Cross-Platform/Android development at the start of the course. After that, you will complete a substantial self-directed Android/Cross-Platform development project (in pairs), with the specific goal of having a stable Minimal Viable Product (MVP) releasable on the Google Play Store by the end of the course.

Communication (i.e., How to get help…)
As per university regulations, students are required to check their *uoguelph.ca* e-mail account regularly. E-mail is the official route of communication between the University and students.

The best way to get help is to post your question(s) in the Discussion Forum on the course website. We will be actively monitoring the Discussion Forums throughout the week, and I will be present there during the scheduled lectures.

However, the nature of this course's content might require that you will need to discuss things with us that cannot be clearly conveyed in the Discussion Forum. To accommodate this, please request a virtual meeting (specifying whether you want to meet me or a TA) using the course email address: *cis4030@socs.uoguelph.ca* I will schedule requested meetings during my office hours, TAs will (tentatively) schedule meetings during the scheduled lectures.

If you absolutely need to communicate with me or the TAs in a private fashion, please only use the course email address: *cis4030@socs.uoguelph.ca*

Assessments & Grading Scheme:
Without lectures, I am going to have a hard time knowing how things are going this semester. To make up for this, I will be posting weekly quick feedback surveys to get your impressions on the course. These will start in Week 00 (first one due 15 Jan – see schedule below). This isn't strictly merit-based, but I am making it worth grades (12% of your final grade) to

encourage participation, it is quick and easy to do, and I get valuable feedback to see how things are going. Unfortunately, to allow me to give you credit for completing the survey, I need to ask for your student ID on the survey. Regardless, please be honest and open in your responses – your genuine feedback is very valuable to me.

The Familiarity Exercises spec(s) will be released on the course website in the first week of classes and are due 11:59pm on 29 January. You will complete these Exercises individually.

I will release the project specification by 22 January. You will design & implement a major mobile app using a common app development platform. You will do the project in pairs.

    Feedback Surveys: 12 @ 1% each = 12% total due each Friday @ 11:59pm
    Familiarity Exercises: 3 @ 6% each = 18% total due 11:59pm 29 January.
    Mobile Project:
        Milestone 1 (20% - idea pitch + technology) due 11:59pm 12 February.
        Milestone 2 (20% - design + initial implementation) due 11:59pm 12 March.
        Milestone 3 (30% - video demo + full codebase) due 11:59pm 12 April.
Your final grade will be the weighted average of your grades for the above components.

Late Policy:
To help accommodate any unexpected challenges, all assessments are hereby automatically granted a three-day extension, such that only submissions submitted 72 hours after a regular deadline will be graded late (receiving a grade of '0'). As such, the latest submission deadline for the Familiarity Exercises is 11:59pm on 01 February 2021, Project Milestone 1 is 11:59pm on 15 February 2021, Project Milestone 2 is 11:59pm on 15 March 2021, and Project Milestone 3 is 11:59pm on 15 April 2021. The latest submission deadline for the Feedback Surveys will be the following Monday @ 11:59pm (except Week 10 which will be the next Tuesday @ 11:59pm and the final Feedback Survey, which will be 11:59pm 15 April). PLEASE DO NOT request this extension. We will apply it automatically.

Course Schedule:

Week (Mon)	Work	Official Due Date	Survey Due Date
00 (11 Jan)	Familiarity Exercises	--	11:59pm 15 January
01 (18 Jan)	Familiarity Exercises	--	11:59pm 22 January
02 (25 Jan)	Familiarity Exercises	11:59pm 29 January (FE)	11:59pm 29 January
	Project Milestone 1	--	
03 (01 Feb)	Project Milestone 1	--	11:59pm 05 February
04 (08 Feb)	Project Milestone 1	11:59pm 12 February (M1)	11:59pm 12 February
WB (15 Feb)	Winter Break	Winter Break	--
05 (22 Feb)	Project Milestone 2	--	11:59pm 26 February
06 (01 Mar)	Project Milestone 2	--	11:59pm 05 March
07 (08 Mar)	Project Milestone 2	11:59pm 12 March (M2)	11:59pm 12 March
08 (15 Mar)	Project Milestone 3	--	11:59pm 19 March
09 (22 Mar)	Project Milestone 3	--	11:59pm 26 March
10 (29 Mar)	Project Milestone 3	--	11:59pm 03 April (Saturday)
11 (05 Apr)	Project Milestone 3	11:59pm 12 April (M3)	11:59pm 12 April

Additional Notes:
- First day of class is Tuesday, 12 January.
- Winter Break (no lectures or deadlines) is 15 February – 19 February.
- 02 April is a holiday.
- The final day of classes is 12 April (12 April is a make-up day for 02 April).
- There is no midterm exam and no final exam for this course.

When You Cannot Meet a Course Requirement:
When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor in writing, with your name, id#,

and e-mail contact. See the undergraduate calendar for information on regulations and procedures for Academic Consideration.

Drop Date:
Courses that are one semester long must be dropped by the end of the last day of classes. The regulations and procedures for dropping courses are in the Undergraduate Calendar: https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml

Copies of out-of-class assignments:
Keep reliable back-up copies of any work that you do in the course; you may be asked to resubmit your work at any time.

Accessibility:
The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required, however, interim accommodations may be possible while that process is underway. Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability.

Use of the SAS Exam Centre requires students to make a booking at least 7 days in advance, and no later than November 1 (fall), March 1 (winter) or July 1 (summer). Similarly, new or changed accommodations for online quizzes, tests and exams must be approved at least a week ahead of time. More information is available at: http://www.uoguelph.ca/sas

Academic Misconduct:
The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor. The Academic Misconduct Policy is detailed in the Undergraduate Calendar: http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml

Recording of Materials:
Presentations which are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a classmate or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

Resources:
The Academic Calendars are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs: http://www.uoguelph.ca/registrar/calendars/index.cfm?index