



COURSE OUTLINE

1. **Course:** CPSC 575, iProgramming for Creative Minds - Fall 2020

Lecture 01: W 15:00 - 17:45 - Online

| Instructor | Email | Phone | Office | Hours |
|------------|----------------------|--------------|--------|--------------|
| Paul Dan | paul.dan@ucalgary.ca | 587 876-8706 | N/A | TBA via Zoom |

Online Delivery Details:

Some aspects of this course are being offered in real-time via scheduled meeting times. For those aspects you are required to be online at the same time.

The lecture component will be provided through a hybrid component. Students are expected to attend the scheduled lectures **and** the client/guest speaker presentations, which will be posted on the course website. They must also review the assigned materials/readings. In non-lecture/pre-recorded lecture weeks, students are **highly** encouraged to work on their final project giving them plenty of time to complete it to the best of their ability. The final project is difficult to complete in 4 months and thus the students will need plenty of time to work towards this.

Students that are not able to attend synchronous meetings must have a valid reason, they are **highly** encouraged to reach out ahead of time to make sure I can provide the recorded lectures for them. I am able to record lectures for these students, however, the class is held via an online platform, meaning most, if not all students are able to attend the scheduled lectures.

There will be no tutorial component, however, there will be a "lab" component that consists of mandatory group meetings twice a week. Students will be working in groups of 2-3. These groups can be chosen by the students or assigned by me. A student can only miss **two** online lab meetings as the group work builds each week and their absence directly impacts the progression of other members of their group. These meetings can be arranged by the team, or by the course coordinator. Should a student miss more than two meetings,

A. They need to reach out immediately to the course coordinator. Depending on the circumstance, the student may be removed from the group and be required to complete work (extra assignments, quizzes, and worksheets) on their own, should they wish to progress in the course.

B. The students will receive a maximum grade of B in this component of the course.

The **most** important thing to note is communication. If you let the course coordinator know of your circumstance(s) I can ensure you he is a reasonable individual and will understand.

Course Site:

D2L: CPSC 575 L01-(Fall 2020)-iProgramming for Creative Minds

Note: Students must use their U of C account for all course correspondence.

Note: As this is an iOS Mobile development course the students must have a working Mac computer. There are not many solutions available to work around this, but again, communicate with the course coordinator, and we will try to figure out a way to make it work. I don't want any students missing out on an educational opportunity because of financial reasons.

Students must use their U of C account for all course correspondence.

2. **Requisites:**

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

Prerequisite(s):

Software Engineering 300 or 301. Also known as: (formerly Computer Science 599.72)

3. **Grading:**

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar.

In determining the overall grade in the course the following weights will be used:

| Component(s) | Weighting % | Date |
|---------------|-------------|-------------|
| Assignments | 20 | |
| Presentations | 30 | |
| Final Project | 50 | Dec 9, 2020 |

Assignments 20%

- Assignment 1: Introduction to Swift and SwiftUI (5%)
- Assignment 2: Introduction to Firebase and Cloud Firestore (2.5%)
- Assignment 3: Building Your First App (5%)
- Assignment 4: Team Marketing Document (5%)
- Assignment 5: Team App Peer Reviews (2.5%)

Presentations 30%

- Introduction of Your App (5%)
- Midterm Update (10%)
- App Finale (15%)

Final Project 50%

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

The conversion between a percentage grade and letter grade is as follows.

| | A+ | A | A- | B+ | B | B- | C+ | C | C- | D+ | D |
|---------------------------|------|------|------|-----|-----|------|------|-----|-----|------|------|
| Minimum % Required | 95 % | 90 % | 85 % | 80% | 75% | 70 % | 65 % | 60% | 55% | 50 % | 45 % |

A+ is given only by exception and must have a minimum grade requirement of 95%.

4. Missed Components Of Term Work:

The university has suspended the requirement for students to provide evidence for absences. Please do not attend medical clinics for medical notes or Commissioners for Oaths for statutory declarations.

In the event that a student legitimately fails to submit any online assessment on time (e.g. due to illness etc...), please contact the course coordinator, or the course instructor if this course does not have a coordinator to arrange for a re-adjustment of a submission date. Absences not reported within 48 hours will not be accommodated. If an excused absence is approved, then the percentage weight of the legitimately missed assignment could also be pro-rated among the components of the course.

5. Scheduled Out-of-Class Activities:

There are no scheduled out of class activities for this course.

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6. Course Materials:

We will be using Apple's official docs: <https://developer.apple.com/>, through their students will follow guides such as <https://developer.apple.com/tutorials/swiftui/>. The students will also follow videos that are crucial to their learning, for example, this YouTube series: <https://www.youtube.com/watch?v=4RUeW5rUcww>.

Further additional supplemental information will be provided on the course website.

In order to successfully engage in their learning experiences at the University of Calgary, students taking online,

remote and blended courses are required to have reliable access to the following technology:

- A computer with a supported operating system, as well as the latest security, and malware updates;
- A current and updated web browser;
- Webcam/Camera (built-in or external);
- Microphone and speaker (built-in or external), or headset with microphone;
- Current antivirus and/or firewall software enabled;
- Stable internet connection.

For more information please refer to the UofC [ELearning](#) online website.

7. **Examination Policy:**

No aids are allowed on tests or examinations.

Students should also read the Calendar, [Section G](#), on Examinations.

8. **Approved Mandatory And Optional Course Supplemental Fees:**

There are no mandatory or optional course supplemental fees for this course.

9. **Writing Across The Curriculum Statement:**

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also [Section E.2](#) of the University Calendar.

10. **Human Studies Statement:**

Students will not participate as subjects or researchers in human studies.

See also [Section E.5](#) of the University Calendar.

11. **Reappraisal Of Grades:**

A student wishing a reappraisal, should first attempt to review the graded work with the Course coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. **Non-academic grounds are not relevant for grade reappraisals.** Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

- a. **Term Work:** The student should present their rationale as effectively and as fully as possible to the Course coordinator/instructor within **ten business days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall submit the Reappraisal of Graded Term work form to the department in which the course is offered within 2 business days of receiving the decision from the instructor. The Department will arrange for a reappraisal of the work within the next ten business days. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. See sections [I.1](#) and [I.2](#) of the University Calendar
- b. **Final Exam:** The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

12. **Other Important Information For Students:**

- a. **Mental Health** The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).
- b. **SU Wellness Center:** For more information, see www.ucalgary.ca/wellnesscentre or call [403-210-9355](tel:403-210-9355).
- c. **Sexual Violence:** The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email (svsa@ucalgary.ca) or phone at [403-220-2208](tel:403-220-2208). The complete University of Calgary policy on sexual violence can be viewed at (<https://www.ucalgary.ca/policies/files/policies/sexual-violence-policy.pdf>)
- d. **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or

expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties. Examples of academic misconduct may include: submitting or presenting work as if it were the student's own work when it is not; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; collaborating in whole or in part without prior agreement of the instructor; borrowing experimental values from others without the instructor's approval; falsification/ fabrication of experimental values in a report. **These are only examples.**

- e. **Academic Accommodation Policy:** Students needing an accommodation because of a disability or medical condition should contact Student Accessibility Services in accordance with the procedure for accommodations for students with disabilities available at [procedure-for-accommodations-for-students-with-disabilities.pdf](#).

Students needing an accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Associate Head of the Department of Computer Science, Nelson Wong by email nelson@cpsc.ucalgary.ca or phone 403-210-8483. Religious accommodation requests relating to class, test or exam scheduling or absences must be submitted no later than **14 days** prior to the date in question. See [Section E.4](#) of the University Calendar.

- f. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). Students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see [Legal Services](#) website.
- g. **Student Union Information:** [VP Academic](#), Phone: [403-220-3911](tel:403-220-3911) Email: suvpaca@ucalgary.ca. SU Faculty Rep., Phone: [403-220-3913](tel:403-220-3913) Email: sciencerep@su.ucalgary.ca. [Student Ombudsman](#), Email: ombuds@ucalgary.ca.
- h. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.
- i. **Copyright of Course Materials:** All course materials (including those posted on the course D2L site, a course website, or used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

Electronically Approved - Sep 07 2020 00:47

Department Approval

Electronically Approved - Sep 07 2020 21:40

Associate Dean's Approval