UNIVERSITY OF CALGARY
FACULTY OF SCIENCE

CPSC 217 - INTRODUCTION TO COMPUTER SCIENCE FOR MULTIDISCIPLINARY STUDIES I - FALL 2025

COURSE OUTLINE

The University of Calgary, located in the heart of Southern Alberta, both acknowledges and pays tribute to the traditional territories of the peoples of Treaty 7, which include the Blackfoot Confederacy (comprised of the Siksika, the Piikani, and the Kainai First Nations), the Tsuut'ina First Nation, and the Stoney Nakoda (including Chiniki, Bearspaw, and Goodstoney First Nations). The City of Calgary is also home to the Métis Nation of Alberta (Districts 5 and 6).

A. Course Information

1. Course Coordinator(s)

Name	Email	Phone	Office	Student/Office Hours
Dr. Michelle Cheatham	michelle.cheatham@ucalgary.ca	TBA	ICT 645	TBA

2. Lecture Section(s)

Lecture 01 : MF 11:00 - 11:50 in EDC 179 and W 11:00 - 11:50

Instructor	Email	Phone	Office	Student/Office Hours
Dr. Helen He	helen.he1@ucalgary.ca	N/A	VIRTUAL	The 30 minutes immediately after lecture finishes (in the same lecture hall)

Lecture 02 : MFW 13:00 - 13:50 in KNB 132

Instructor	Email	Phone	Office	Student/Office Hours

Lecture 03 : MF 15:00 - 15:50 in ICT 122 and W 15:00 - 15:50

Instructor	Email	Phone	Office	Student/Office Hours
Dr. Helen He	helen.he1@ucalgary.ca	N/A	VIRTUAL	The 30 minutes immediately after lecture finishes (in the same lecture hall)

3. Lab and Tutorial Sections

Tut 01 MW 09:00 - 09:50 in MS 317	Tut 02 TR 11:00 - 11:50 in MS 317	Tut 03 MW 12:00 - 12:50 in MS 317
Tut 04 TR 09:00 - 09:50 in MS 317	Tut 05 TR 11:00 - 11:50 in SB 146	Tut 06 TR 12:30 - 13:20 in SB 146
Tut 07 TR 14:00 - 14:50 in SB 146	Tut 08 TR 15:30 - 16:20 in SB 146	Tut 09 TR 16:00 - 16:50 in MS 317
Tut 10 TR 17:00 - 17:50 in MS 317	Tut 11 WF 14:00 - 14:50 in MS 317	Tut 12 MW 10:00 - 10:50 in MS 317
Tut 13 MW 17:00 - 17:50 in MS 317		

4. Scheduled Out-Of-Class Activities

The following out of class activities are scheduled for this course.

Activity	Location	Date and Time	Duration
Midterm 1	TBD	Saturday, October 4, 2025 at 6:30 pm	60 Minutes
Midterm 2	TBD	Saturday, November 1, 2025 at 6:30 pm	60 Minutes

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY.

If you have a conflict with the out-of-class-time-activity, please contact your course coordinator/instructor no later than **14 days prior** to the date of the out-of-class activity so that alternative arrangements may be made.

5. Additional Course Delivery Details

6. Course Site & Materials

D2L: CPSC 217 (Fall 2025) Introduction to Computer Science for Multidisciplinary Studies I

Recommended Textbook(s):

Ben Stephenson, *The Python Workbook: A Brief Introduction with Exercises and Solutions, 2nd Ed*: Springer.

Technology:

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.

Approved Mandatory & Optional Course Supplemental

7. **Fees**

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

8. **Requisites**

See section 3.5.C in the Faculty of Science section of the online Calendar.

Course Learning

9. **Outcomes**

- Apply the principles of top-down design, problem decomposition, and stepwise refinement to design solutions to small-scale computational problems.
- Read, trace the execution, and determine the outcome of programs developed using constructs including basic data types, assignment of variables, expressions, conditional statements, iterative statements, functions, arrays/lists and file input/output.
- Create and debug programs that make effective use of constructs including basic data types, assignment of variables, expressions, conditional statements, iterative statements, functions, arrays/lists and file input/output.
- Develop a client that makes use of external modules, libraries, or application programming interfaces.
- Describe and summarize the roles of programming and computing in a broader context of topics that may include scientific and non-scientific computing, data storage and analysis, established sub-disciplines of computer science, history of computing, or social and philosophical issues.

B. **Assessment and Evaluation Information**

1. **Assessment Components**

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	Weight	Due Date	Modality	Location
Exercises (10 over the course of the semester)	10%	Ongoing		
Projects (3 over the course of the semester)	21%	Ongoing		
Midterm 1	19%	Oct 04 2025 at 06:30 pm (60 Minutes)	in-person	TBD
Midterm 2	19%	Nov 01 2025 at 06:30 pm (60 Minutes)	in-person	TBD
Registrar Scheduled Final Exam	31%	Final Exams Schedule	in person	Final Exams Schedule

Each of the above components will be given a letter grade using the official university grading system (see section F.1.1). The final grade will be calculated using the grade point equivalents weighted by the percentages given above and then converted to a final letter grade using the official university grade point equivalents.

The Final Examination Schedule will be published by the Registrar's Office approximately one month after the start of the term.

Assessment &

2. **Grading**

Reappraisal of Graded Term Work and Final Grades:

See Section I of the University Calendar and https://science.ucalgary.ca/current-students/undergraduate/program-advising/grade-reappraisals-and-appeals .

3. Examination Policy

No aids are allowed on tests or examinations.

See also Section G of the Calendar, on Academic Assessments and Examinations.

4. Missed Components of Term Work

Alternative arrangements will only be provided for **one** missed midterm exam. Students who miss one of the midterm exams due to an excused absence will have the weight of the missed exam transferred to the final exam. An excused absence will only be granted if it is requested ahead of the exam (or as soon after the exam as is practical in the circumstances if an absence could not have reasonably been requested before the exam) and is supported by appropriate documentation.

Students will have a bank of five "grace days" that can be used to extend the deadline on projects. These will be deducted automatically; no action is required on your part. After these grace days are exhausted, projects will not be accepted late under **any** circumstances.

Exercises will not be accepted late.

See also Sections G2.3 and M.1.1 of the Calendar, on Absence from In Course Assessments and Supporting Documentation for Absences.

C. Course Policies & Procedures

1. Equity Diversity & Inclusion

The University of Calgary is committed to creating an equitable, diverse and inclusive campus, and condemns harm and discrimination of any form. We value all persons regardless of their race, gender, ethnicity, age, LGBTQIA2S+ identity and expression, disability, religion, spirituality, and socioeconomic status. The Faculty of Science strives to extend these values in every aspect of our courses, research, and teachings to better promote academic excellence and foster belonging for all.

2. Course Communication

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

3. Academic Integrity and Misconduct

Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional Code of Conduct and promote academic integrity in upholding the University of Calgary's reputation of excellence. Some examples of academic misconduct include but are not limited to: posting course material to online platforms or file sharing without the course instructor's consent; submitting or presenting work as if it were the student's own work; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; borrowing experimental values from others without the instructor's approval; falsification/fabrication of experimental values in a report. Please read the following to inform yourself more on academic integrity:

Student Handbook on Academic Integrity
Policy and Procedure for Student Academic Misconduct
Faculty of Science Academic Misconduct Process
Research Integrity Policy

Additional information is available on the Student Success Centre Academic Integrity page

4. Acceptable & Prohibited Tools and Resources

All work submitted by students must be their own independent creation. Small amounts of code (e.g. 1-3 lines) from external sources (including generative AI) may be used if cited via a comment, but if a significant portion (e.g. more than 10 per cent) of the work submitted by a student is taken from somewhere else, the student will not receive credit for the assignment even if the borrowed content is cited.

5. Writing Across the Curriculum

Writing skills are not exclusive to English courses and, in fact, should cross all disciplines. The University supports the belief that throughout their University careers, students should be taught how to write well so that when they graduate their writing abilities will be far above the minimal standards required at entrance. Consistent with this belief, students are expected to do a substantial amount of writing in their University courses and, where appropriate, members of faculty can and should use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Support , part of the Student Success Centre, can be utilized by all undergraduate and graduate students who feel they require further assistance. See also Section E.2 of the University Calendar.

6. Academic Accommodations

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The

student accommodation policy can be found at: https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf.

Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, by filling out the Request for Accommodation in Academic Courses Form and sending by email to science@ucalgary.ca preferably 10 business days before the due date of an assessment or scheduled absence.

7. **Instructor Intellectual Property.**

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy) and requirements of the copyright act (laws-lois.justice.gc.ca/eng/acts/C-42/index.html) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

8. **Recording of Lecture**

Audio recording of lectures, other than where an audio recording is an accommodation, shall be permitted for individual private study only at the discretion of the instructor. For any other use, whether by duplication, transcription, publication, sale or transfer of recordings, written approval must be obtained from the instructor for the specific use proposed. Any use other than that described above constitutes academic misconduct and may result in suspension or expulsion. For more information, see Section E.6 Recording of Lectures of the University Calendar.

9. **Freedom of Information & 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.

10. **Human & Living Organism Studies Statements**

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

See also Section E.5 of the University Calendar.

D. **Copyright Legislation**

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.

E. **Support & Resources**

Student well-being and safety resources that are not course-specific can be found on the Office of the Registrar's website: https://www.ucalgary.ca/registrar/registration/course-outlines

Electronically Approved - Aug 05 2025 15:23

Department Approval

Electronically Approved - Aug 14 2025 11:06

Associate Dean's Approval