COURSE OUTLINE

1. **Course:** CPSC 217, Introduction to Computer Science for Multidisciplinary Studies I - Winter 2021

   Lecture 01: TR 14:00 - 15:15 - Online
   - **Instructor:** Dr John Aycock
   - **Email:** aycock@ucalgary.ca
   - **Phone:** 403 210-9409
   - **Office:** ICT 650
   - **Hours:** Online by appointment

   Lecture 02: TR 15:30 - 16:45 - Online
   - **Instructor:** Dr John Aycock
   - **Email:** aycock@ucalgary.ca
   - **Phone:** 403 210-9409
   - **Office:** ICT 650
   - **Hours:** Online by appointment

**Online Delivery Details:**

This course is being offered online in real-time via scheduled meeting times, you are required to be online at the same time.

To help ensure Zoom sessions are private, do not share the Zoom link or password with others, or on any social media platforms. Zoom links and passwords are only intended for students registered in the course. Zoom recordings and materials presented in Zoom, including any teaching materials, must not be shared, distributed or published without the instructor's permission.

Primary lecture content will be prerecorded and played during lecture time; these videos will be available to students **for one week only** following their in-class debut. There is no expectation that students will have viewed the videos prior to the scheduled lecture time. Questions and content from both sections during the remaining lecture time will be summarized and posted separately. As always, course slides will be available from their first use until the end of the term, and lecture traces capturing text typed during lecture will be available for later playback.

Tutorials will operate much the same way, with primary tutorial content prerecorded, played during tutorial time, and available **for one week only**. Note that T11 is fully asynchronous and will have access to the same tutorial content videos.

Midterms and the final exam are designed to be written within the time span of a lecture or the Registrar-allocated final exam slot, respectively, and will have 50% buffer time per Faculty of Science rules.

**Course Site:**

D2L: CPSC 217 -ALL-(Winter 2021)-Introduction to Computer Science for Multidisciplinary Studies I

**Note:** 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.

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:

<table>
<thead>
<tr>
<th>Component(s)</th>
<th>Weighting %</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>50%</td>
<td>See course website</td>
</tr>
<tr>
<td>Midterm 1</td>
<td>12.5%</td>
<td>11 February 2021</td>
</tr>
<tr>
<td>Midterm 2</td>
<td>12.5%</td>
<td>18 March 2021</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
<td>Registrar-scheduled</td>
</tr>
</tbody>
</table>

   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.

<table>
<thead>
<tr>
<th>Minimum % Required</th>
<th>A+</th>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D+</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>100.0 %</td>
<td>93.75 %</td>
<td>87.5 %</td>
<td>81.25 %</td>
<td>75%</td>
<td>68.75 %</td>
<td>62.5 %</td>
<td>56.25 %</td>
<td>50%</td>
<td>43.75 %</td>
<td>37.5 %</td>
<td></td>
</tr>
</tbody>
</table>

Rounding will be performed if necessary using the usual method. The instructor may convert a grade of "A" to an "A+" at his discretion for outstanding performance in all components of the course.

This course will have a final exam that will be scheduled by the Registrar. The Final Examination Schedule will be published by the Registrar’s Office approximately one month after the start of the term. The final exam for this course will be designed to be completed within 2 hours.

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.

6. Course Materials:

All online material will be available via the course web site.

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:

Final Exam will be submitted through D2L. Instructor will send directions.

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 be expected to participate as subjects or participants in projects.

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 Services:** For more information, see www.ucalgary.ca/wellnesscentre or call 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. The complete University of Calgary policy on sexual

d. **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
   - Student Academic Misconduct Policy and Procedure
   - Research Integrity Policy

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

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

   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 Email: suvpaca@ucalgary.ca. SU Faculty
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.

**Course 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.