COURSE OUTLINE

1. Course: CPSC 329, Explorations in Information Security and Privacy - Fall 2020
   Lecture 01: MWF 13:00 - 13:50 - Online

   Instructor Email Phone Office Hours
   Dr Ryan Henry ryan.henry@ucalgary.ca 403 210-6307 ICT 643 Tuesdays @ 10:00am, or by appointment

   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.

   Lectures will consist of a combination of real-time lectures via Zoom (recordings of the lectures will be posted after for students to review) and pre-recorded lectures. There will often be "in-class" activities and discussions that occur during the scheduled lecture period. Tutorials will be a mix of activities that students can complete on their own and (virtual) group activities that students must complete during the scheduled tutorial time.

   Course Site:
   D2L: CPSC 329 L01-(Fall 2020)-Explorations in Information Security and Privacy

   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.

   Prerequisite(s):
   Mathematics 30-1 or Mathematics 30-2.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Blog task</td>
<td>10 (5% for you post + 5% for regular engagement)</td>
</tr>
<tr>
<td>Final project (unessay)</td>
<td>30 (due last week of lectures)</td>
</tr>
<tr>
<td>In-class worksheets</td>
<td>25</td>
</tr>
<tr>
<td>Tutorial worksheets</td>
<td>30</td>
</tr>
<tr>
<td>Participation</td>
<td>5</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>96.667 %</td>
<td>96.667 %</td>
<td>93.333 %</td>
<td>90%</td>
<td>86.667%</td>
<td>83.333%</td>
<td>80%</td>
<td>76.667%</td>
<td>73.333%</td>
<td>70%</td>
<td>65%</td>
<td>60%</td>
</tr>
</tbody>
</table>

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:**
   
   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
b. **SU Wellness Center**: For more information, see [www.ucalgary.ca/wellnesscentre](http://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 violence can be viewed at [https://www.ucalgary.ca/policies/files/policies/sexual-violence-policy.pdf](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](http://www.ucalgary.ca/wellnesscentre).

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](http://www.ucalgary.ca/wellnesscentre) website.

g. **Student Union Information**: **VP Academic**, Phone: 403-220-3911 Email: suv pca@ucalgary.ca. **SU Faculty Rep.**, Phone: 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](http://www.ucalgary.ca/wellnesscentre)) 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.

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**Course Outcomes:**

- Able to recognize security and privacy threats, and enumerate possible defense mechanisms and their effectiveness in a distributed computer systems.
- Identify mechanisms for controlling access to a computer system, and compare and contrast their effectiveness in practice.
- Identify network and software related attacks, and distinguish the role of different mechanisms in protecting the system.
- Outlining opinions and views about ethical and legal issues related to information security, their effect on digital and privacy rights, and research and development in this domain.
- Basic understanding of cryptographic tools and techniques and their applications in securing computer systems.