COURSE OUTLINE

1. **Course:** CPSC 457, Principles of Operating Systems - Fall 2020
   Lecture 01: MW 14:00 - 15:15 - Online

   **Instructor**  
   Dr Pavol Federl  
   pfederl@ucalgary.ca

   **Phone**  
   TBA

   **Office**  
   ICT 742

   **Hours**  
   Fridays 12-2pm

   Office hours will be conducted using Zoom or MS Team Meetings. Please check D2L for details.

**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.

- Lectures and tutorials will likely be delivered using Zoom or Microsoft Team Meetings.
- Students are expected to attend all lectures and tutorials.
- Assignments will require students to have access to a computer with internet and an SSH client installed.
- Assignments will be submitted electronically.
- Lectures and tutorials may be recorded and made available for later viewing to all students in the course.
- Instructor and TAs will make their best effort to answer emails within 1 business day.

**Course Site:**

D2L: CPSC 457 L01-(Fall 2020)-Principles of Operating Systems

**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):**

Computer Science 319 or 331; and Computer Science 355 or Computer Engineering 369.

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>
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<tbody>
<tr>
<td>Assignments</td>
<td>100%</td>
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</tbody>
</table>

   There will be 5-6 assignments, released approximately every 2 weeks. Students can expect to have about 1 week to complete each assignment.

   Unless explicitly stated otherwise by the instructor, all assignments are to be completed individually. The instructor will use automated code similarity detection system. All cases of plagiarism and any other academic misconduct will be investigated and reported to the Faculty of Science.

   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 %</td>
<td>95 %</td>
<td>91 %</td>
<td>87%</td>
<td>83%</td>
<td>79 %</td>
<td>75 %</td>
<td>71 %</td>
<td>67 %</td>
<td>63 %</td>
<td>60 %</td>
<td></td>
</tr>
</tbody>
</table>
The instructor may convert a grade of "A" to an "A+" at his discretion for outstanding performance in all components of the course.

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:

Recommended Textbook(s):


Lectures slides and other support material will be posted on D2L.

7. Examination Policy:

Closed book. 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 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:
Course Outcomes:

- Picture, list, and entertain the different modules of a modern operating system.
- List and entertain the different functions and services provided by an operating system.
- Weight different design decisions and assess their suitability using different metrics.
- Understand, work with, and extend an operating system kernel.
- Design, assess, and implement concurrent programs.

Department Approval

Associate Dean's Approval for...

1. A non-registrar scheduled final examination.