11/10/2019 CSC 360 Outline

CSC360: Operating Systems

Course Dates

CRN(s): Section A01 CRN: 10780

Section A02 CRN: 10781 Section A03 CRN: 10782

Term: Fall 2019
Course Start: 2019-09-04
Course End: 2019-12-21
Withdrawal with 100% reduction of tuition fees: 2019-09-17
Withdrawal with 50% reduction of tuition fees: 2019-10-08
Last day for withdrawal (no fees returned): 2019-10-31

Scheduled Meeting Times (M=Mon, T=Tue, W=Wed, R=Thu, F=Fri)

Section:	Location:	Classes Start:	Classes End:	Days of week:	Hours of day:	Instructor:
A01	ECS 125	2019-09-04	2019-12-04	TWF	09:30-10:20	Jianping Pan
A02	ECS 125	2019-09-04	2019-12-04	TWF	09:30-10:20	Jianping Pan
A03	ECS 125	2019-09-04	2019-12-04	TWF	09:30-10:20	Jianping Pan
T01	ECS 104	2019-09-09	2019-12-04	Т	13:30-14:20	
T02	COR B129	2019-09-09	2019-12-04	F	12:30-13:20	
T03	ELL 060	2019-09-09	2019-12-04	R	14:30-15:20	

Instructor(s)

Name: Jianping Pan Office: ECS 566 Phone: (250) 472-5796 Email: pan at uvic dot ca

Office Hours: Comments

Mon 10:00am-12:00pm Or by appointment

Course Overview

To understand how a set of computing resources can be shared safely, efficiently, and effectively among many users, including the major concepts of modern operating systems and the relationship between the OS and the architecture of computer systems.

Topics

- Introduction to Operating Systems
- Operating system structures
- Concurrent processes and programming
- CPU scheduling
- Deadlock
- · Memory management and virtual memory
- · File systems and storage management

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Course Objectives And Learning Outcomes

Students will be able to understand the data structures and algorithms for the main components in a modern operating system through lecture sessions, and through lab sessions and assignments, to implement some of these components, and to reinforce between theory and practice.

<u>Textbooks</u>								
Required:	equired: Operating System Concepts, 7th or newer Editions							
	Silberschatz, Galvin, and Gagne							
	John Wiley & Sons, Inc., ISBN: 0-471-69466-5 or 978-0-470-12872-5 or 978-1-118-06333-0							

Assignments

In this course there will be 4 assignments. See below for the schedule and weight of each assignment.

Exams

There will be three midterms, worth 15% each, on Oct 2, Oct 30, and Dec 4, 2019, respectively.

Term Schedule

This schedule is subject to change.

Assignment/Exam	Weight	Assigned Date	Due Date
Assignment 1	15%	Sept 13	Oct 4
Assignment 2	5%	Sept 16	Sept 23
Midterm 1	15%	Oct 2	
Assignment 3	20%	Oct 4	Nov 1
Midterm 2	15%	Oct 30	
Assignment 4	15%	Nov 1	Nov 29
Midterm 3	15%	Dec 4	

Grad	lıng	
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F

B-

C+, C

Coursework	Weight (out of 100%)				
Assignments	55%				
Midterm Exams	45%				

Grading System

D

C

C+

B-

The University of Victoria follows a percentage grading system in which the instructor will submit grades in percentages. The University will use the following Senate approved standardized grading scale to assign letter grades. Both the percentage mark and the letter grade will be recorded on the academic record and transcripts.

A+

Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of

0-49	50-	59 (60-64	65-69	70-72	73-76	77-79	80-84	85-89	90-100	
Grad	des [es Description									
A+, A	Exceptional, outstanding or excellent performance. Normally achieved by a minority of students. These grades indicate a student who is <i>self-initiating</i> , <i>exceeds expectation</i> and has an <i>insightful</i> grasp of the subject matter.										
B+, I											by the largest number of students. These grades asp in one area balanced with satisfactory grasp in

A

A-

the subject matter.

the other areas.

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Gı	rades	Description
D		Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
F		Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.

Posting of Grades

Typically marks for assignments, examinations, and provisional final grades, are made available through conneX, or CourseSpaces where each student will be able to view only their own grades. Sometimes numerical marks/grades may be posted publicly to the entire class. In that case, full student numbers or names will not be included with the posted information.

Course Experience Survey (CES)

I value your feedback on this course. Towards the end of term you will have the opportunity to complete a confidential course experience survey (CES) regarding your learning experience. The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. When it is time for you to complete the survey, you will receive an email inviting you to do so. If you do not receive an email invitation, you can go directly to the <u>CES site</u>

You will need to use your UVic NetLink ID to access the survey, which can be done on your laptop, tablet or mobile device. I will remind you closer to the time, but please be thinking about this important activity, especially the following three questions, during the course.

- What strengths did your instructor demonstrate that helped you learn in this course?
- Please provide specific suggestions as to how the instructor could have helped you learn more effectively.
- Please provide specific suggestions as to how this course could be improved.

Csc Student Groups

The Computer Science Course Union (https://onlineacademiccommunity.uvic.ca/cscu/) serves all students who are either in a computer science program or taking a class in computer science. Please sign yourself up on their mailing list if you would like to be informed about their social events and services.

The Engineering Students' Society (ESS) serves all students registered in an Engineering degree program, including Software Engineering (BSEng). For information on ESS activities, events and services navigate to http://www.engr.uvic.ca/~ess.

Course Policies And Guidelines

Late Assignments: No late assignments will be accepted unless prior arrangements have been made with the instructor at least 48 hours before the assignment due date.

Coursework Mark Appeals: All marks must be appealed within 7 days of the mark being posted.

Attendance: We expect students attend all lectures and labs. It is entirely the students' responsibility to recover any information or announcements presented in lectures from which they were absent.

Electronic devices in labs and lectures: No unauthorized audio or video recording of lectures is permitted.

Electronic devices in midterms and exams: Calculators are only permitted for examinations and tests if explicitly authorized and the type of calculator permitted may be restricted. No other electronic devices (e.g. cell phones, pagers, PDA, etc.) may be used during examinations or tests *unless explicitly authorized*.

Plagiarism: Submitted work may be checked using plagiarism detection software. Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult the link given below for the UVic policy on academic integrity. Note that the university policy includes the statement that "A largely or fully plagiarized assignment should result in a grade of F for the course."

The Faculty of Engineering Standards for Professional Behaviour are at

http://www.uvic.ca/shared/shared%5fengineering/docs/professional-behaviour.pdf

U. Vic guidelines and policy concerning fraud and academic integrity are at

http://web.uvic.ca/calendar/undergrad/info/regulations/academic-integrity.html

U. Vic Privacy Policy: If any student has concerns about their private information being stored or accessed outside of Canada, they are required to inform the course instructor about their concerns before the end of second week of classes.

Equality

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This course aims to provide equal opportunities and access for all students to enjoy the benefits and privileges of the class and its curriculum and to meet the syllabus requirements. Reasonable and appropriate accommodation will be made available to students with documented disabilities (physical, mental, learning) in order to give them the opportunity to successfully meet the essential requirements of the course. The accommodation will not alter academic standards or learning outcomes, although the student may be allowed to demonstrate knowledge and skills in a different way. It is not necessary for you to reveal your disability and/or confidential medical information to the course instructor. If you believe that you may require accommodation, the course instructor can provide you with information about confidential resources on campus that can assist you in arranging for appropriate accommodation. Alternatively, you may want to contact the Centre for Accessible Learning (formerly the Resource Centre for Students with a Disability) located in the Campus Services Building.

The University of Victoria is committed to promoting, providing, and protecting a positive, and supportive and safe learning and working environment for all its members.

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