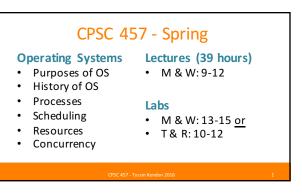
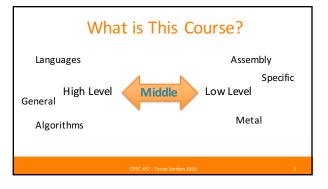
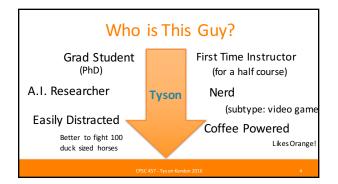
CPSC 457 Operating Systems

Lecture 1 Introductions, Overviews, Operating Systems





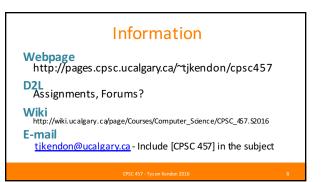






Who Are You? Ice Breaker • Groups of 4(ish) • Meet each other • What OSs do you all know? • (and other questions)





Policies

Course Outline Sheet http://pages.cpsc.ucalgary.ca/~tjkendon/cpsc457/outline.pdf

Safety

Emergency Meeting Place Social Science: Food Court

Shortest Evacuation Route Out the back door, past the washrooms

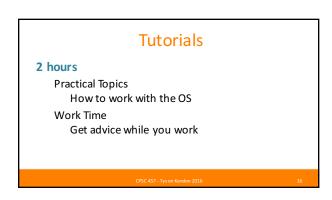
Campus Security (also Safewalk!) 403-220-5333 – Put it in your phone now

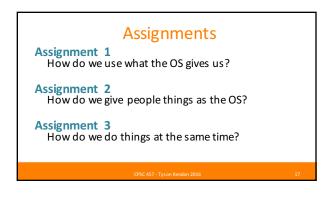












Assignments

Develop in C, Target Linux

Get a hands on look at how an Operating System is developed

Learn the links between the abstract concepts and the concrete implementations

Use the tools that get used building an Operating System

CPSC 457 - Tyson Kendon 2016

How to do well on the Assignments Be Hands On You will learn more programming than you ever will just reading the documentation. Start Early Take the time to really know what you're doing and be prepared to deal with your bugs. Read the Docs

Everything you need to know is out there, you just have to read the docs carefully.

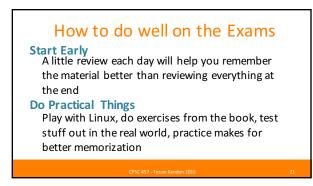
CPSC 457 - Tyson Kendon 2016

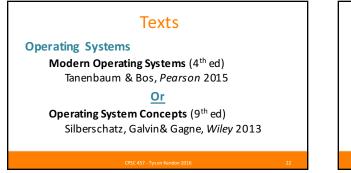
Exams Closed Book – 1 page of notes

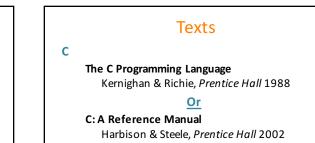
Midterm (15%) In Class – June 13 – in ICT 102 (starting at 9:00)

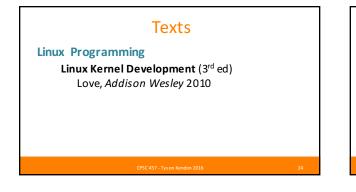
Final (35%)

In Class – July 2 or 4 – Registrar Scheduled











Break time

After the Break: What does an OS do anyway?

So What does an OS Do?

an Operating System provide?

What functions does What features does an **Operating** System have?

Let's Take A Tour

Department Compute Servers http://www.cpsc.ucalgary.ca/tech_support/services/remote_access

Let's Make a List

Break into groups of four (or so) and make two lists.

- 1. What do you think an Operating System does?
- 2. What do you think is the difference between

an Operating System and a 'regular' program? When you're happy with your list, bring it up and add it to the boards at the front.



Operating Systems (at their Core) Load programs and manage their execution Mediate access to hardware Manage time (computation) and space(memory)





History

Hardware

Operating System Concepts

