

# Introduction

## Overview of 201 Lab and Linux Tutorial

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# Can you Log In?

- Should be same login and password from 115.
- If you cannot log in, get your ONE Card and go to the Helpdesk.
- The Helpdesk is in CSC 1-43.

# Overview

## 1 Lab Summary

- Lab Description
- Lab Policies

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- Linux Tutorial
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# Lab Description

- Welcome to the 201 Lab!
- You will learn how to program in C.
- This will be done in a Linux environment.
- Like Windows, Linux is an operating system.
- You will be doing
  - Linux and Linux programming tools tutorials.
  - 3 Programming Assignments.
  - A Lab Exam.
- Lots of new stuff.
- So it will be interesting and challenging!

# A Typical Lab

- Attendance is recommended, but not required.
- Normally a short presentation at the beginning (10-30 min.)
- Often other short presentations through out.
- Then 1-on-1 help from TA. Especially when busy:
  - There will be a *Questions* list on the board.
  - If you have a question, write your name in the list.
  - 10 minutes per question.

# Communication Outside the Lab

- You must read, and it is best to use, the newsgroup. TA will briefly demonstrate and describe (using `ualberta.test`):
  - `https://webnews.srv.ualberta.ca`. enter CCID (Campus Computing ID ... see 201 web site).
  - `ualberta.courses.cmput.201`
- Don't post code. You can get into trouble.
- Generally no attachments (they can be problematic)
- Can email TA (email online, and on whiteboard)
  - Must use CCID.
  - Attach all relevant code.
  - Must ask specific questions. So no "Here's my code ... how do I fix it?"
  - TA will spend at most 15 minutes, and will reply with what they have found.
- Read about this and more at *Schedule* → *Course Policies*
- Questions?

# Linux Tutorial

- You will learn not only C, but also Linux in 201.
- Linux is an operating system that is better suited to programming.
- It has many tools which allow you to program more easily.
- There is a tutorial that will introduce you to Linux at  
*Resources* → *Linux* (under Tutorials)

# Benefitting the Most from the Tutorial

- Read everything in the tutorial.
- Ensure you understand everything so you can use it when programming.
- Ask the TA questions to help you along.
- Try the examples.
  - Type what **follows** prompt ~> (TA will demonstrate)
- Questions?

# Learning More

- To learn more about Linux (TA will show you the sections in the Linux Tutorial):
  - Go to the `Learning more` section.
  - Experiment, and ask the TA.
  - Get used to using `man` pages. See the `Using man Pages` section.
- Learn how to edit programs using emacs. Emacs Tutorial: *Resources* → *Emacs*.
- Read over Marking and Submission Rules, then Assignment 1, and begin soon: *Schedule* → *Assignments*
- Bring King text to each lab.
- Questions?