

Extended Tutorial for Unix and Computer Science Skills

MWF

January 18 – ~~January 29~~ February 5

1pm – MS 239

For more info:

<http://bit.do/uccsunix>



Contact: Tyson Kendon – tjkendon@ucalgary.ca

Sessions

Intro Unix Command Line

January 18, 22 & 25

Version Control

February 1

Advanced Unix **SSH!**
Command Line

January 20, 27

Regular Expressions

February 3

Debugging

January 29

Bash Scripting

February 5

Library Session

Presented by CPSC Library Jennifer Lee

Thursday January 21
2pm – MS 239

Intro to the Unix Command Line

- man pages
- Unix File Hierarchy
- How to Create, Manage, Read and Write Files

Advanced Unix Command Line

- Tab Completion
- Command History
- Wildcards
- I/O Redirection
- Aliases
- Remote Access (with SSH)
- Department Webpages

Debugging

- What is a bug?
- How do we avoid bugs?
- How do we find bugs
- How do we use a debugger to help find bugs (with pdb and jdb)

Version Control

- Philosophy of Version Control
- Introduction to git
- Using Version Control on Your Own
- Using Version Control with Others

Regular Expressions

- Introduction to General Regular Expressions
- grep (how to find things in files)
- find (how to find files)

Bash Scripting

- Bash Scripts
- Using Commands from Inside a Script
- Bash Flow of Control Commands

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