

# New User Orientation

# Welcome to Brown CS!

Fall 2015  
Consultants

# Getting started

- Consultant Introduction
  - What's my name?
  - Why am I here?
  - Where can you find me?
- Let's make some accounts!

# Retrieving your Password

- Move your mouse over to the “Useful Box.”
  - (The black box in the lower right corner)
- Ctrl+Click on this box and select “Secure Keyboard” from the menu
- Type `ub-new-account` and press enter
- Do not, at any point during this process, press Ctrl+C!
- Follow the prompts to retrieve your temporary password
  - Enter your *Brown* username and password, what you use to log into Banner (e.g. djhoffma)
- Ctrl+Click and deselect “Secure Keyboard.” Move your mouse back to the login box and log in with your initial CS credentials

# Set Up Your Account

- After logging in, follow the prompts to set your new passwords to something you remember
  - The system requires your password to be reasonably secure!
  - Mixed cased and numbers or symbols
- Set up mail forwarding to an email you check regularly. You can change where the email gets forwarded to at a later time if necessary.

# What's with all the Passwords?

## Kerberos

Use it for logging in to department computers

## LDAP

Use it for other stuff:

- Department listservs
- Department wiki/VPN
- etc...

I'll wait for you to get logged in  
now...

# What's with all the Passwords?

## Kerberos

Use it for logging in to department computers

You can use this password to change your LDAP password, but not vice versa.

## LDAP

Use it for other stuff:

- Department listservs
- Department wiki/VPN
- etc...

I'll wait for you to get logged in now...

# Getting started

- You're logged in!
- If you've never used Linux before, don't panic!
  - Your default desktop environment is very easy to use
- There will be an open “Iceweasel” window
  - This is our version of Firefox
  - You can close it now
- Open the Terminal Application
  - At the top left, click Applications
  - From the menu that pops up, select System Tools → Xfce Terminal
  - You can drag the icon to your menu bar to create a shortcut

# Introduction to Unix and the Command Line

## Basic commands

- `pwd` – print working directory
- `ls` – list files and directories
- `cd` – change directory
- `mv` - move
- `cp` - copy
- `rm` - remove



# Introduction to Unix and the Command Line

Example (Students should try this):

```
$ pwd  
$ ls  
$ mv README Desktop/  
$ cd Desktop/  
$ ls  
$ cp README ../  
$ rm README  
$ cd ..
```

# Introduction to Unix and the Command Line

## Common locations

- Current directory
  - How do I find out where I am? (which command should I use?)
- Parent directory
  - .. (yes, that's two dots, mainly useful as “cd ..”)
- Your home directory
  - ~
- Your course directory
  - course/csXXX (e.g. course/cs017, course/cs015)

# Changing Passwords

- What if you want to change your password?
- Kerberos:
  - Type `kpasswd`
- LDAP:
  - Type `ldappasswd`
- If it asks for your current password, always type your Kerberos password
  - In other words, you can forget your LDAP password and still change it easily

# Backups

- Help, I deleted a file!
- There is a backup system called “snapshots”
  - Snapshots are taken every 4 hours and last for a couple of weeks.
  - Ask the consultant if you need help with this.

# Quotas

- Everyone gets 500MB
  - Should be enough for everyone
- ***Don't exceed your quota!***
- To see your usage: type `ncdu` in a terminal
- You'll get notifications when you go over quota
- ***Don't ignore these notifications!***
- You can't log in when over quota.
- Consultants can be very helpful at helping you clean up your home directory.

# Security

- ***Log out or lock your screen when you leave your computer.***
- There are unscrupulous users about
  - This is bat country
- If your code is stolen, it's a collab policy violation!
  - **You** will be held equally responsible
- Name (top right) → Log Out (when you leave)
- Name → Lock Screen (only if you're leaving very briefly)
- Use your Kerberos password to unlock

# Ergonomics

- CS courses require a **lot** of typing
- ***Many CS students have wrist problems***
- Sit up straight in your chair
- Put your feet on the floor
- A program, Workrave, will advise you to take typing breaks
- Start your work early, so you can **spread your typing out**

# Lab Etiquette (1)

- No cell phone usage
- Use headphones for sound (on most computers)
- Don't leave your computer locked for a long time
- ***Absolutely no food or drink***
  - Water in a closeable container is allowed
  - Leave all other food and drink at the back table
  - Consultants patrol the lab and will cite violators
- If you use folding chairs, return them to the stage or the side of the room in the MSLab



# Lab Etiquette (2)

- Print responsibly
  - CS course-related only
  - Under 20 pages, 4 slides to a page minimum
  - Remember to pick up your job
  - Repeat violators will lose printing privileges
- You can print non-CS material from from dept. computers to PAWPrints
  - Pick it up in the CIS cluster across the lobby
- CS course-related material should be printed to “bw1” (the printer at the top of the Sunlab)

# Lab Etiquette (3)

- **Never** turn off/restart computers on your own.
  - Ask a consultant for help if your computer freezes or is being slow.
  - Otherwise, people working from home (more on this later) will lose their unsaved work. :(

# Working from Home

- Avoid overcrowding... work from home!
- Consultants will be holding a **remote access lab** this weekend in the Sunlab:
  - Saturday 9/19 12-2pm
  - Bring your laptop!
- Guide is also accessible at <http://brown.edu/go/sunlab>
- See a consultant at 9a if you need help!

# Working from Home: Sneak Preview

- Portable Sunlab
  - `brown.edu/go/ps`

# Learn More

- Sunlab Website (<http://brown.edu/go/sunlab>)
- Shell Guide (<http://brown.edu/go/shell>)
- Undergraduate Missive ([http://brown.edu/go/cs\\_ugrad](http://brown.edu/go/cs_ugrad))
- Department Wiki (<http://wiki.cs.brown.edu>)

# Getting Help with the Systems

- For course help, see your TAs
- If you're in the CIT, talk to the Sunlab consultant by the door
- If you're elsewhere, send an email to `problem@cs.brown.edu`
  - Be as descriptive as possible in your request