

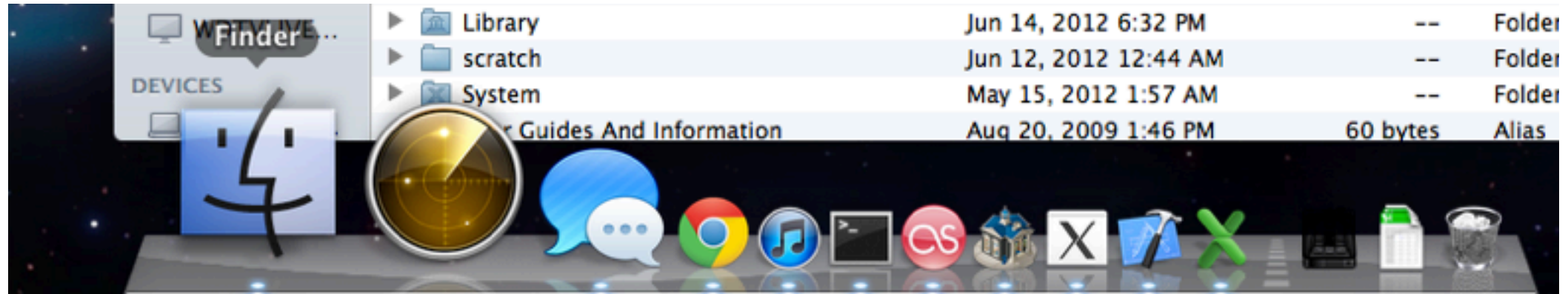
# ECOL 553L

Class 2

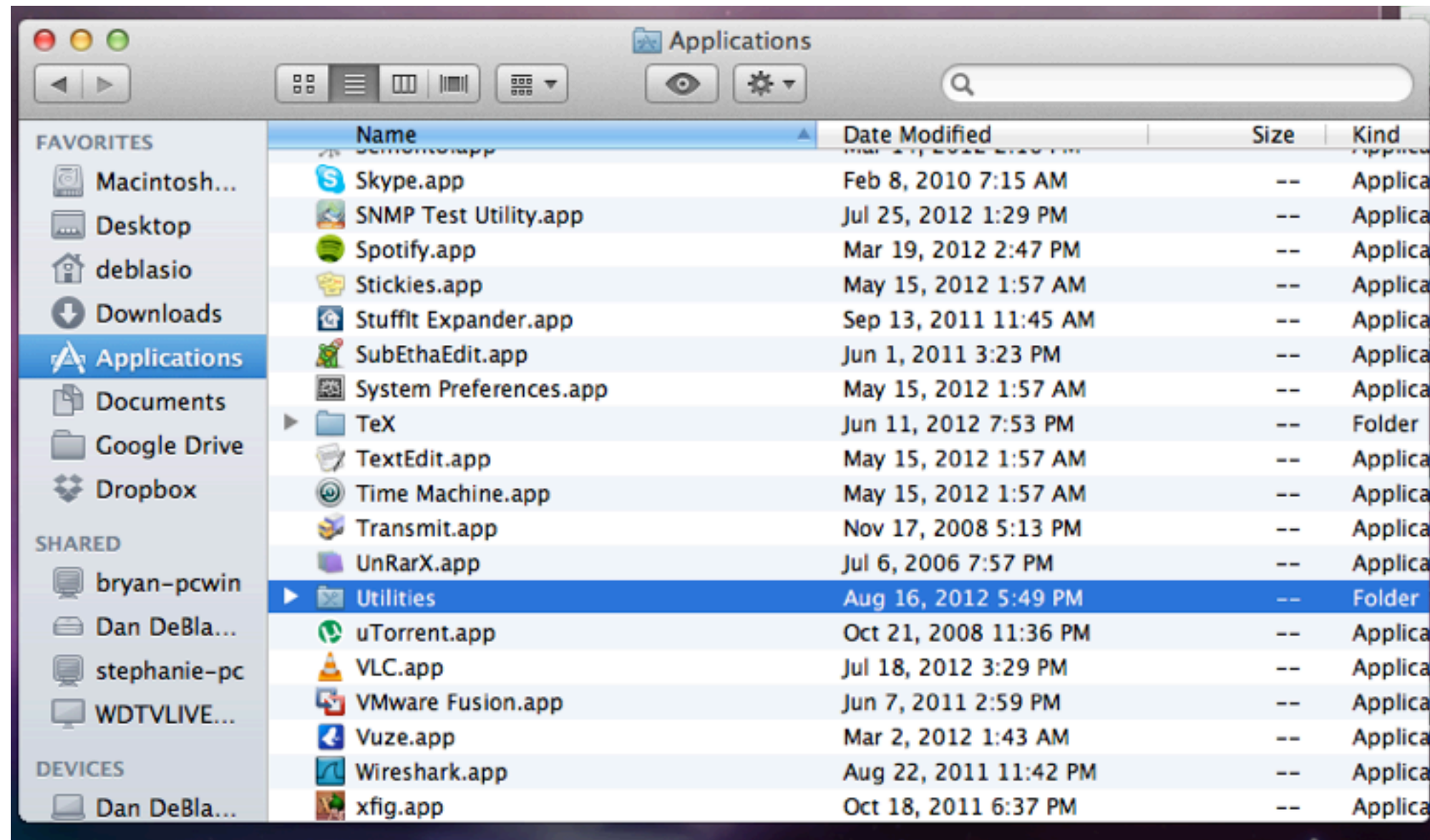
# To talk about today

- HPC Accounts
  - do you have one yet?
  - does it work?
- Super Excel
- Resources
- Editors

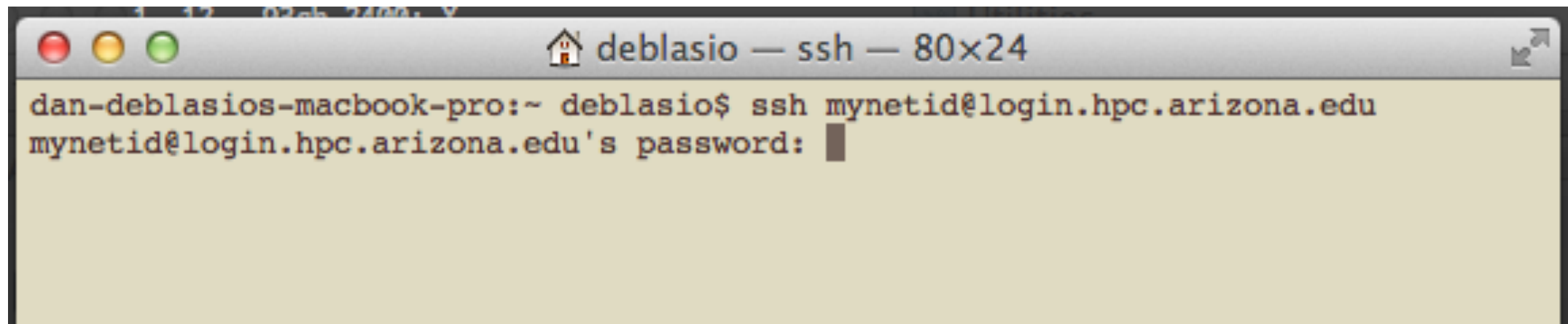
# Open a Terminal



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# SSH into the HPC

A screenshot of a macOS terminal window. The title bar shows a home icon, the text 'deblasio — ssh — 80x24', and window control buttons. The terminal content shows a user at a Macbook Pro prompt running an SSH command to connect to a remote host. The password prompt is visible with a masked input field.

```
dan-deblasios-macbook-pro:~ deblasio$ ssh mynetid@login.hpc.arizona.edu  
mynetid@login.hpc.arizona.edu's password: 
```

# “Super” Excel

- Have you ever used Excel for your research?
- Have you ever use a calculator WHILE using Excel?
- What are some functions you think you can preform within Excel?

# Simple Functions

- SUM()
- MEAN()
- STDEV()
- CONFIDENCE(alpha,standard\_dev,size)
  - alpha is the confidence interval size, i.e. if you want the 95% confidence interval  
alpha = 0.05

# Conditionals

- IF(condition, true, false)
- COUNTIF(range,condition)
- SUMIF(range,condition,[sum range])



# Text Manipulation

- FIND(search, context, [start location])
  - finds the location of the search within the text in cell “context”
- MID(context, start, length)
  - trims the text in the cell “context” starting at character “start” for “length” characters

# How do you edit text files?

- Whats the difference between Word and NotePad?

**What resources are  
available to**