

# 1. INTRODUCTION TO SOFTWARE TOOLS

---

Professor Chadd Williams

# Chadd Williams

<http://zeus.cs.pacificu.edu/chadd>

[chadd@pacificu.edu](mailto:chadd@pacificu.edu)

Office: Strain 202

Office Hours:

# Final Exam

Tuesday, October 15th

6-8:30 pm

# Other Dates

- **Midterm Date:**
- September 23

# How to Succeed

- Don't miss class.
- Take notes - Get a binder!
- Practice!
- Ask questions
- Start assignments early
  - they take longer than you think
- Do as much on your own as possible.

# How to Succeed

- Read the assignments carefully and follow all directions
- See me as soon as possible about any questions!
- Don't forget that you are at a small school!

Ask Questions!

# Assignments

Ask Questions!

- A series of problems to work
  - Build an Excel Workbook
  - Build R scripts
- Where can I work?
  - Scott 204
  - Library
    - Windows PCs

Be sure to test your Excel/R in **this** Lab.

I strongly recommend **against** using Excel on a **Mac** for your assignments!

The Mac and Windows versions of Excel are not 100% compatible.

# How to send an effective email

To: chadd@pacificu.edu  
From: hall4242@pacificu.edu  
Subject: CS130 - Formulas

Dear Chadd,

I'm working on the volume assignment and I'm not sure how to calculate a cube of a number in Excel. Any hints?

Thanks,  
Lesley



# Course Overview

- What is Computer Science?
- Why are you here?
  - What do you expect to get out of the course?

# Course Goals

- How do you use software to process your data?
  - Course data
  - Research data
  - Load application
  - Retirement planning
- We will cover design, creation, research, data collection, analysis and reporting of data and information for an academic setting

# Key Points

- Understand the task at hand
  - select the appropriate tool
- Understand the tool and its limitations
  - Not all tools are created equal and cover all aspects of every problem
  - This is true regardless of what the vendor of the tool might tell you