

1. INTRODUCTION TO SOFTWARE TOOLS

Winter 2019

Professor Chadd Williams

Chadd Williams

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

chadd@pacificu.edu

Office: Strain 202

Office Hours:

MTWThF 11:00am – 1 pm (Strain),
2:30-3:00PM (Scott)

Final Exam

Tuesday, January 22th

1-3:30 pm

Other Dates

- **Midterm Date:**

- Friday, January 11, 2019 3:00-4:30pm Scott 204

- **Martin Luther King, Jr Day**

- Monday Jan 21, 2019 No class

- **Snow Day Makeup:**

- Friday January 18, 2019 No class unless necessary.

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