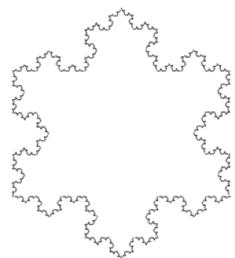
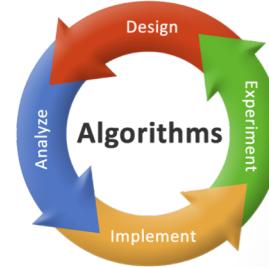


Turtle Graphics



Welcome to CS 8!

Introduction to Computer Science!



Instructor

- Diba Mirza (dimirza@cs.ucsb.edu)
 - Faculty, Computer Science
 - PhD (Computer Engineering, UCSD)
 - Office: HFH 1155
 - Effective this week:
 - Office hours
 - Thursdays 3:30pm -4:30pm,
 - Fridays 2pm – 3pm, Or by appointment
- Schedule for all lab and office hours:**
- https://ucsb-cs8.github.io/w19-mirza/info/lab_office_hours/

This class is currently full!

- Enrolled: 105
- Waitlist: 206!!!

Here is how we will deal with this painful situation.....

About you ...

What is your major?

- A. Computer Science or Computer Engineering
- B. Engineering (Chemical, Mechanical, Electrical...)
- C. Math, Stats or Actuarial Science
- D. Other

About you ...

What is your familiarity/confidence with programming in Python?

- A. Know nothing or almost nothing about it.
- B. Used it a little, beginner level.
- C. Some expertise, lots of gaps though.
- D. Lots of expertise, a few gaps.
- E. Know too much; I have no life.

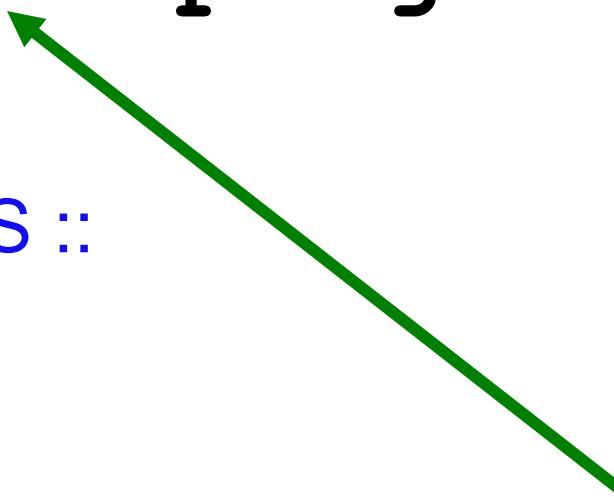
This course: Intro to CS!

What does the term Computer Science mean to you?

CS != programming

programming : CS ::

"not equal to"



CS != programming

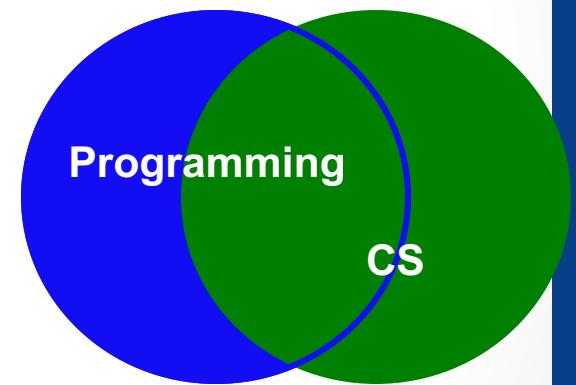
programming : CS ::

surfing : Santa Barbara

machining : engineering

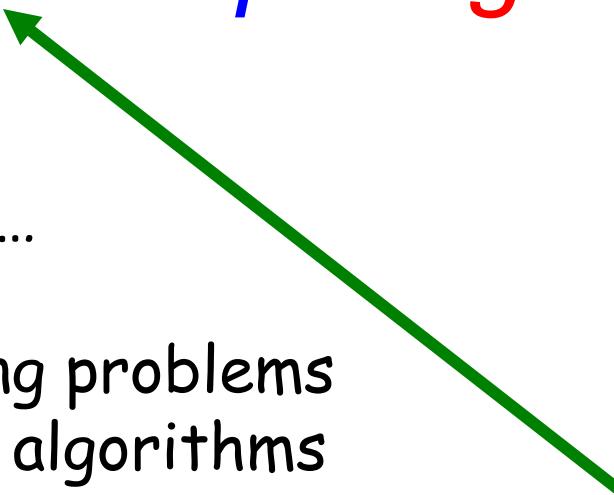
grammar : literature

equations : mathematics



a vehicle, not a destination

CS == *computing* science



Computer Science is...

The science of solving problems
using abstractions & algorithms
(and computers)!

"equal to"

But how is this relevant to YOU?

https://www.youtube.com/watch?v=Zwwzrynqv_o

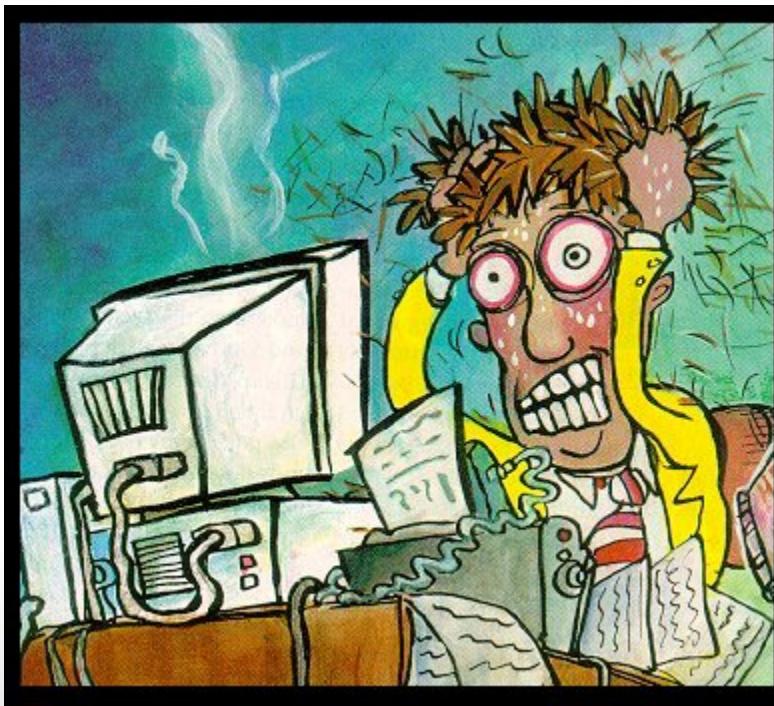
Expect it to be...

Thrilling!
And..



Expect it to be...

Thrilling!
And...



The most frustrating thing
you've ever done...because
computers just follow
instructions

But, there is no magic



- You can understand everything. Really.
- NEVER guess.

Course Logistics

Graded Components

- Midterm (2): 30%
- Final : 30 %
- Homeworks : 10%
- Labs : 30%
- Project(1): 2% EC

Refer to the course calendar for all due dates:

<https://ucsb-cs8.github.io/w19-mirza/info/calendar/>

Resources

- **Course Web Site:**

<https://ucsb-cs8.github.io/w19-mirza/>

- **Textbook:** “Introduction to Computing Using Python” by Ljubomir Perkovic, 2nd edition
- **Iclickers:** Purchase at the bookstore
- **Piazza** (online discussion forum)
- **Gradescope:** Site for graded assignments (labs, homeworks, exams)
- **Open labs and office hours**



Tomorrow's lab

YOU HAVE A LAB TOMORROW in Phelps 3525!

- Complete ic00
- Bring the finished hard-copy with you to lab TOMORROW!
- Read the lab assignment (lab00) before you go into your lab:
BE PREPARED

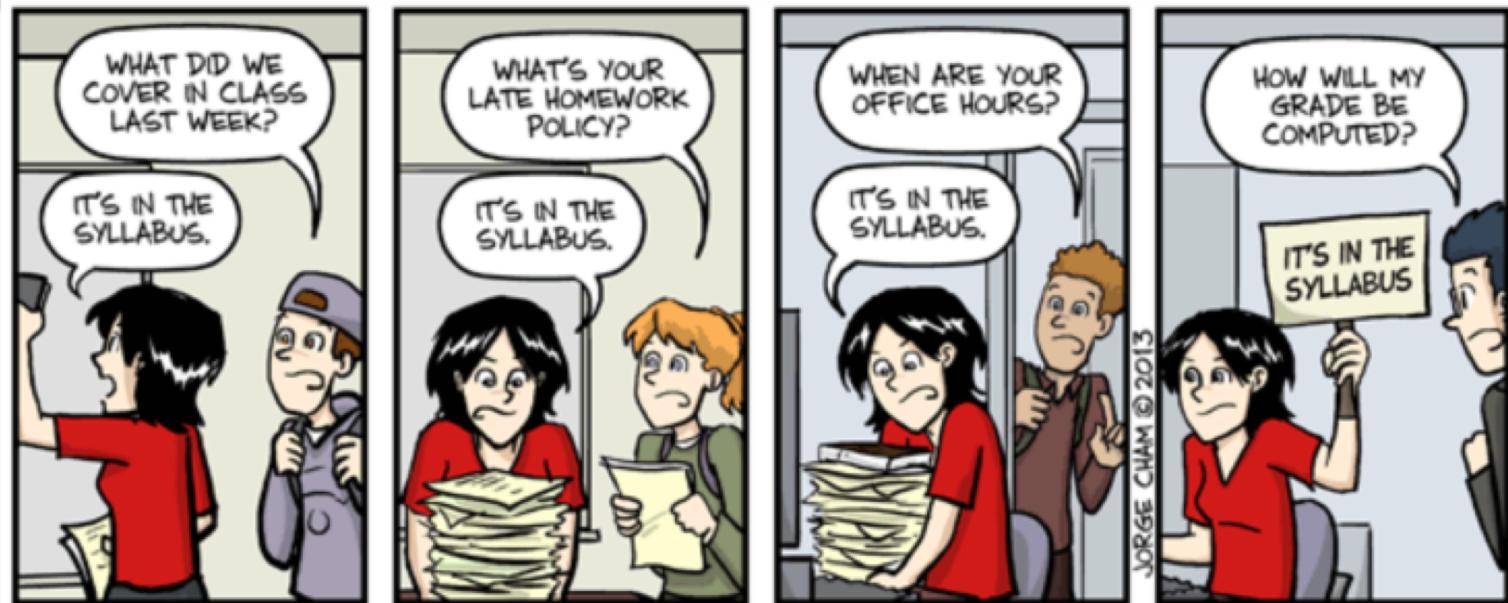
Hello Unix!

- Unix is an operating system (just like Windows/Mac)
- The CSIL computers use a flavor of unix
- Goals:
 - Learn to open some basic applications: terminal, IDLE
 - Unix file system and how to navigate it
 - Accessing remote computers

Hello World!

- We'll write a simple program in Python to learn:
 - IDLE: The Python programming environment
 - How to use the Python shell in IDLE
 - How to create and save programs in files in IDLE

Just in case



JORGE CHAM © 2013

IT'S IN THE SYLLABUS

This message brought to you by every instructor that ever lived.

WWW.PHDCOMICS.COM

Your TO DOs

- Visit Piazza after I add you
- Go to the class website
- Complete ic00
- Read Lab00 TODAY
- Do Lab00 TOMORROW (in lab)
- Bring your laptop to open labs (in the evening) if you want help setting it up