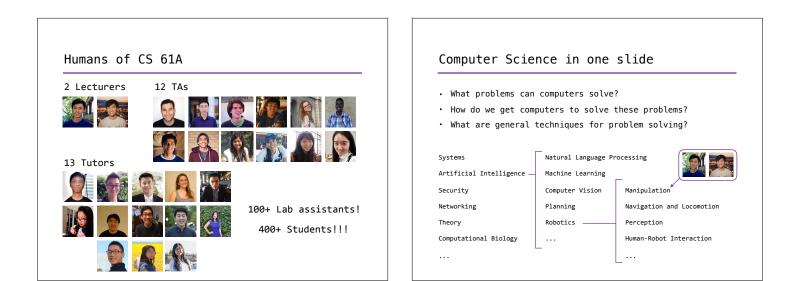
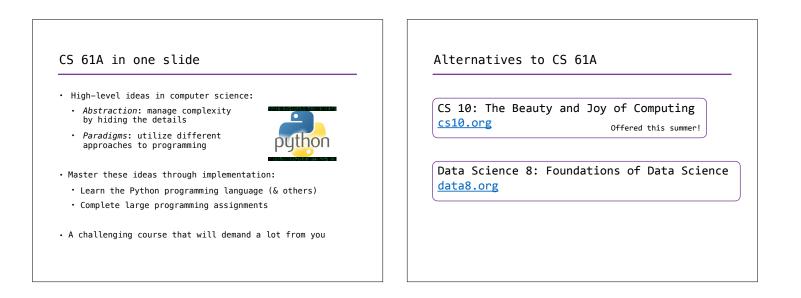
Lecture 1: Introduction

Marvin Zhang 06/20/2016





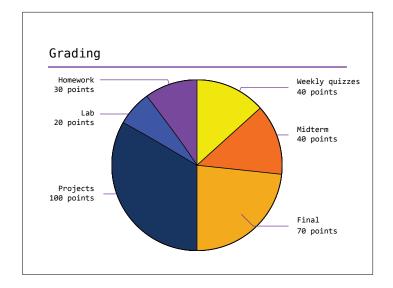


Course Policies

Details on cs61a.org

Course overview

- Lectures: Mon-Thurs, 11am-12:30pm, 2050 VLSB
- Labs: the most important part of this course
- $\boldsymbol{\cdot}$ Discussions: the most important part of this course
- Office hours: the most important part of this course
- Online textbook: <u>composingprograms.com</u>
- Regular homework assignments
- 4 big programming projects
- Weekly quizzes, one midterm, and one final exam
- Lots of special events!



A few grading details

- 10 homework assignments, 3 points each
 Can make up points from one homework with surveys
- 12 (graded) lab assignments, 2 points each
 Two lowest lab scores will be dropped
- Written quizzes will be in lecture on Thursdays
 - We have sent out instructions for students who cannot attend Thursday lectures
 - One written or coding quiz score will be dropped
- This class is not curved!
 - Collaboration, not competition

The limits of collaboration

- Everyone should give and receive help, because everyone benefits and learns
- There is only one rule:
 - Your code is yours, and yours only.
- This means that:
 - You cannot copy or use code from anyone except your partner
 - You cannot share your code with anyone except your partner
- Share and discuss *ideas*, not code
- Build good habits now!

Getting help

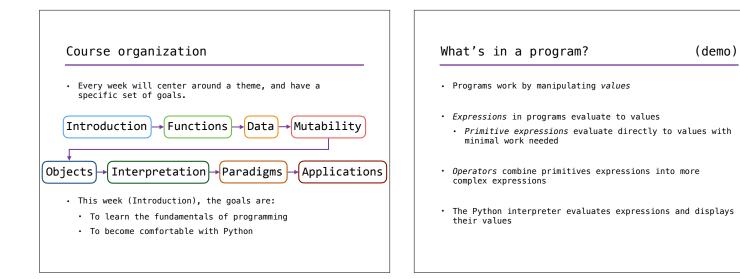
- Discuss everything in the course, except exams, with your partner and your classmates
 - Teaching is the best way to learn
- Ask and answer questions on Piazza
- Use the course staff! We're here to help you learn
 - Labs and office hours are the perfect time to talk to the lecturers, TAs, tutors, and lab assistants
 - Lab assistants will also be available for *checkoffs* during labs

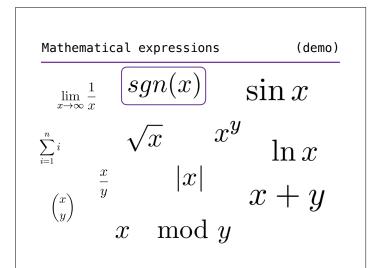
A few last thoughts

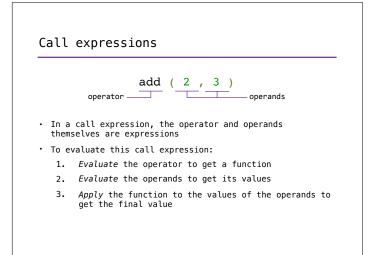
- Find all the course details and news on cs61a.org
- The most important course policy is not:
 - Grading
 - + 75% of students in this course receive As and Bs
 - There is no curve! All of you can get an A+
 - Cheating
 - There is a community of staff and students that want you to succeed, and will help you succeed
- The most important course policy is *learning*
- Learn a lot, have fun, and welcome to 61A!

An Introduction to Programming

And, conveniently, an introduction to Python







Nested call expressions

add(add(2, mul(4, 6)), mul(3, 5))

 $\boldsymbol{\cdot}$ What does this call expression evaluate to?

• What are the steps that the Python interpreter goes through to evaluate this expression?

The Power of Python

Shakespeare demo!