ITP 115
Programming in Python

Spring 2022

Instructor

- Introduction
- Education
- Experience
- Email address
- Office hours

USC Viterbi
Information Technology Program

Course Teaching Assistants

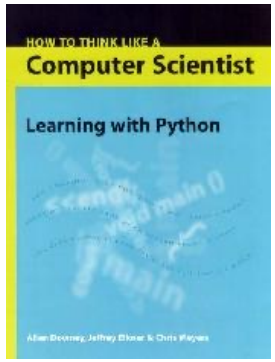
- Each CTA will have office hours posted on Piazza
  - You can get help from any ITP 115 CTA, not just the ones assigned to your section
- You will have one specific grader for your section and last name
  - See Piazza
- You can also go to any instructor's office hours

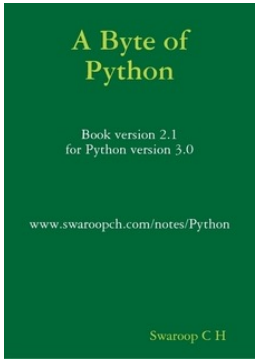
Course Info

- Prerequisites
  - **None!**
- Introductory programming course
- Designed for those without prior programming experience
- If you have prior programming experience, please switch to the ITP 116: Accelerated Programming in Python course
  - 31812: Mon, Wed, 10-10:50 am, Jeffrey Miller
  - 31825: Mon, Wed, 11-11:50 am, Jeffrey Miller

Textbook

- None
- If you want a resource, here are two **free** online books:
  - Learning with Python
    https://greenteapress.com/wp/learning-with-python/
  - A Byte of Python
    https://swaroop-c-h.gitbook.io/byte-of-python/





Grading Scale

Assignments (weighted proportionally)	50%
Labs	15%
Test	15%
Final Project	20%

Course Policies – Assignments

- Assignments are more comprehensive and challenging than in-class labs
- Due on Friday at 11:59 pm PT (Pacific Time)
- You submission must compile (run)
  - If your code does not run, you will incur a heavy penalty
- Must be well commented and documented
  - We will discuss comments and headers when we start programming
  - You will lose points for not commenting your code

Course Policies – Extra Credit

- Extra credit (up to 10% of total points possible) is available on some of the assignments and the final project
  - Stated on assignment description

- Points will be earned based on:
  - Rigor (how difficult was the feature to implement)
  - Functionality (does the feature work properly)
  - Applicability (does the feature make sense given the larger assignment)

- **Important:** You must describe the included extra features in your Blackboard submission

Course Policies – Labs

- Simple programs that are relatively short in length
- Assigned during the interactive sessions
  - Should complete them the day they are assigned
  - Due on Saturday at 11:59 pm PT to accommodate asynchronous participants
- Graded on a 0-1 credit/no credit scale
  - 0 Not attempted / minimal effort or doesn't run
  - 1 Significant effort (not necessarily perfect)

Course Policies – Submission

- All assignments and labs will be posted on Blackboard
- All assignments and labs must be submitted on Blackboard
- We do not accept labs and assignments via email

Course Policies – Late Policy

- Assignments
  - One day (24 hours) late will have 10% of the total points deducted from the graded score
  - Over one day and up to two days (> 24 hours and <= 48 hours) late will have 30% of the total points deducted from the graded score
  - Over two days and up to three days (> 48 hours and <= 72 hours) late will have 50% of the total points deducted from the graded score
  - After three days, submissions will not be accepted, and the assignment will receive a 0

- Labs and Final Project
  - Late submissions are not accepted

Course Policies

- Test
  - There will be one test
  - This will be an online test to accommodate all students

- Final Project
  - No final exam
  - Final coding project
  - Due after study days during finals week

Adding the Course after Week 1

- You may add the course until the end of week 3
- However, you should plan on attending from the beginning of the semester
- If you add after week 1, email the instructor immediately to make a plan for completing work and learning missed concepts
- All missed work must be completed and submitted according to the syllabus

Collaboration and Cheating

- Programming courses are different than other courses
- Collaboration and sharing of code are considering cheating
  - This also includes looking at someone's solution
- Department policy to assign grade of F
- One past semester
  - 34 of 460 students were reported to SJACS

Similarity Report

128-145		121-134
3-35		7-39
98-108		101-111
81-96		85-100
39-53		43-62

```
public class Being {

        private String name;
        protected int quarts;

        //constructor
        public Being(){
                name = "";
                quarts = 0;
        }

        public Being(String name, int quarts) {
                this.name = name;
                this.quarts = quarts;
        }
```

```
public class Human extends Being {
        private String bloodType;

        public Human() {
                super();
        }
        //constructor
        public Human(String name, int quarts, String bloodType) {

                super(name, quarts);
```

```
public class Being {

        private String name;
        private int quarts;

        //constructor
                public Being(){
                        name = "";
                        quarts = 0;
                }
        //constructor w/parameters
                public Being(String name, int quarts) {
                this.name = name;
                this.quarts = quarts;
                }
```

```
public class Human extends Being {
        private String bloodType;
        public Human() {
                //call base
                super();
        }
        //Constructor
        public Human(String name, int quarts, String bloodType) {
                super(name, quarts);
                this.bloodType = bloodType;
        }
```

Academic Integrity

- No sharing of code
  - Sending another student your code is breaking the academic integrity
  - There is no reason to be working together to solve a problem
- You must be the sole author of your code
  - No one can physically type your code except for you
  - You cannot physically type code for someone else
  - You cannot take code from the internet
  - Any plagiarism in your code is easily detectable
- Giving code and receiving code are the same—same punishment
- Have questions? Office hours!

Piazza

- Piazza for class discussions on homework
  - Everyone should have been invited (link posted on Blackboard)
  - Forum monitored by all instructors, graders, TAs
  - https://piazza.com/
- **No posting of code large sections of code**
  - If you want to post code, make a private post only available to instructors

Useful Resources

- Almost half of all college students will experience severe depression or symptoms of mental illness in college

- Student Counseling Center
  - Free confidential counseling
  - (213) 740-7711
  - https://engemannshc.usc.edu/counseling/

- Trojans Care for Trojans
  - Anonymously let staff know you are concerned about a fellow student experiencing personal difficulties
  - https://studentaffairs.usc.edu/trojans-care-for-trojans-tc4t/

Useful Resources

- USC Kortschak Center for Learning and Creativity
  - Academic coaching, time management, study room
  - https://kortschakcenter.usc.edu/
  - Tips / handouts on self-care, goal setting, test taking, note taking, and more
  - https://kortschakcenter.usc.edu/tools-resources/

Useful Resources

- Relationship and Sexual Violence Prevention and Services (RSVP)
  - Immediate therapy services—confidential
  - (213) 740-4900
  - https://engemannshc.usc.edu/rsvp/
- Office of Equity and Diversity
  - Report issues related to harassment, discrimination, sexual harassment, or Title IX
  - (213) 740-5086
  - https://equity.usc.edu/

Useful Resources

- Trojan Alert
  - Sign up to receive alerts during emergencies
  - https://trojansalert.usc.edu/register.php
- USC Emergency Information
  - http://emergency.usc.edu
- Campus Safety and Emergency Preparedness
  - http://safety.usc.edu
- Department of Public Safety
  - https://dps.usc.edu