

ENGR 10100: Introduction to Python (Lab Session Module I) FALL 2017

Lectures: Friday, 2:00pm – 3:50pm
Location: Steinman 2M-3

Instructor

Xueqi Huang

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For class related questions, feel free to shoot me an email with prefix [ENGR10100].

Course Description

This course will provide a comprehensive introduction to Python. In this course, you are not only expected to learn how to program in python, but also to learn how to think as a programmer and how to solve problem with programming. It involves basic knowledge in information technology, logic, and mathematics. I encourage you to come to lectures, ask questions when you get stuck, always think about an optimization plan, and run your code before turning it in.

Course Coordination

All assignments should be submitted via CUNY Blackboard (unless otherwise noted). Please refrain from posting your work (assignments and projects) onto public spaces such as github. If you must do so, please only do it after the assignment deadline or with appropriate access control.

Grading

- If you choose to waive EC assignment:
 - o $0.1 * \text{Quiz1} + 0.3 * \text{Quiz2} + 0.6 * \text{Assignment 1}$
- If you choose to do an EC:
 - o $(0.1 * \text{Quiz1} + 0.3 * \text{Quiz2} + 0.6 * \text{Assignment 1}) * 0.8 + \text{EC} * 0.2$

CUNY Blackboard

You must have access to the CUNY Blackboard. All announcements and class-related documents (supplemental and suggested readings, discussion questions, etc.) will be posted there.

Some class announcements will be distributed via CCNY e-mail. Thus, it is important that you actively use your CCNY e-mail account, or have appropriate forwarding set up on your email.

Statement of Academic Integrity

The Department of Computer Science values both open inquiry and academic integrity. Students are expected to follow standards of excellence set forth by the City College. Such standards include respect, honesty, and responsibility. The program does not tolerate violations to academic integrity including:

- Plagiarism
- Cheating on an exam
- Submitting your own work toward requirements in more than one course without prior approval from the instructor
- Collaborating with other students for work expected to be completed individually
- Giving your work to another student to submit as his/her own
- Purchasing or using papers or work online or from a commercial firm and presenting it as your own work

Students are expected to familiarize themselves with the College's policy on academic integrity and the Department of Computer Science policies on plagiarism as they will be expected to adhere to such policies at all times – as a student and an alumni of the City College.

The College's policies concerning plagiarism, in particular, will be strictly followed. Please consult the *Chicago Manual of Style* for guidelines on citations. Do not hesitate to ask if you have any questions regarding writing style, citations, or any academic policies.

Course Outline (expected to change after *Project Identification*)

Date	Topic	Assignment	
		Quiz	Assignment
Fri 08/28	<i>NO CLASS - required reading</i>		
Fri 09/01	Course Overview; Basic Programming knowledge; Environment setup; Programming style guide		
Fri 09/08	Data types; List and string operation	Quiz 1	
Fri 09/15	Loop and flow control		Assignment 1 Out
Fri 09/22	<i>NO CLASS: School Recess - Take home exercise</i>		
Fri 09/29	<i>NO CLASS: School Recess- Take home exercise</i>		Assignment 1 Due
Fri 10/06	API practise	Quiz 2	
Fri 10/13	Functions		
Fri 10/20	Python I/O: Data processing, intro to Pandas		
Fri 10/27	Project Demo, Pandas		
Fri 11/03	Python I/O: Data processing II		
Fri 11/10	Regular Expressions		+3 days Extra credit Due