CIS 340 Introduction to Programming in Python - Winter 2025

Instructor: Mirsaeid Abolghasemi

Email: abolghasemimirsaeid@fhda.edu **(For any questions, students should message me on Canvas).**

Class hours: Days: MW | Time: 03:30 PM - 05:20 PM | Room: AT205

(Students should have Zoom installed on their computers)

Office hours: Tuesday 7 PM - 8 PM - Zoom online meeting - The link will be posted on Canvas.

Description:

A hands-on introduction to computation through programming and problem solving. Using the popular Python programming language, students will learn software engineering concepts and basic programming constructs while creating graphical applications.

Student Learning Outcome Statements (SLO):

• **Student Learning Outcome**: Design, code, document, analyze, debug, and test introductory level Python programs

Course Objectives:

- Provide an overview of computer organization
- Investigate the development and testing environment
- Evaluate different data types
- Use operators and expressions in a program to compute results
- Use flow control statements to apply programming logic
- Access files for data input and output
- Separate a program into user-defined functions
- Use collection data types to investigate data structures
- Use of classes in object oriented programs

Course Information:

Term: 2025 Winter De Anza | CRN: 38596 | Title: INTRO PROGRAMMING IN PYTHON | Course: CIS D040.04Y | Days: MW | Time: 03:30 PM - 05:20 PM | Room: AT205

Course Requirements:

Requisites: No requisites. | **Attendance Requirements:** Attendance is not mandatory, but students aiming to improve their grades are highly encouraged to attend class for valuable support and guidance. **This option may be changed during the quarter.**

Textbook(s):

The Primary Textbook:

- **Python for Everyone, 2nd Edition, Cay S. Horstmann, Rance D. Necaise, Wiley, 2016. (or any editions after it)**

We may use the following books too. Their eBooks are free on their websites.

- Python for Everybody: Exploring Data in Python 3, Dr. Charles Russell Severance, 2016. https://www.py4e.com
- Think Python: How to Think Like a Computer Scientist, 2nd Edition, Allen B. Downey, O'Reilly, 2015. ISBN-13: 978-1491939369 ISBN-10: 1491939362 https://greenteapress.com/wp/think-python/

Grading:	
Quizzes	35%
Lab Exercises & Assignments	20%
Midterm Exam(s)	20%
Final Exam	25%
Total	**100**%

Extra credit opportunities:

Several assignments/labs will have bonus points added.

Lectures, attendance, exercises, midterm, and final:

- Assignments should be submitted before the due date. If submitted late, then the homework score will be reduced with a penalty of 10% per day.
- Assignments should be commented on with your name and team name.
- Students can use any IDEs to do their assignments.
- **Lectures:**
  - Days: MW | Time: 03:30 PM - 05:20 PM | Room: AT205
  - The recorded videos will be posted on Canvas.
- **Attendance**:
  - Attendance is not mandatory, but students aiming to improve their grades are highly encouraged to attend class for valuable support and guidance.
  - Students can watch the recorded lectures.
  - Students should take the online attendance quizzes.
- **Quizzes:**
  - Quizzes are multiple-choice and true/false questions. (No coding)
  - There may be an option to take the exams online, but details will be announced during class:
    - Students need to have a camera on their computers.
    - Students should have Zoom installed on their computers to take the exams.
    - Students should record the exam based on the instructions posted on Canvas and upload the recorded video on their Google Drive (or any other cloud). Then share a link to the recorded video without an access code (Change the permission of the file to "Anyone with the link" on your Google Drive). After grading, students can delete the recorded videos from their Google Drive.
    - Do not upload the videos on public platforms like YouTube.
  - The student has the option to drop their lowest quiz score. They should choose the quiz and message me on Canvas to drop its score.
- **Midterm part 1:** The coding part

    - Students can do it at home.
    - Students should do it in a team but each student should write their names and team's names on their codes. Students can do it individually but teamwork is recommended. If you want to do it individually, it means you are good enough in Python and you do not need help.
    - No presentation is needed for Midterm part 1.
- **Midterm part 2:** Midterm part 2 is similar to the quizzes.
    - Midterm part 2 is similar to the quizzes (multiple-choice and true/false questions)
    - There may be an option to take the exams online, but details will be announced during class:
        - Students need to have a camera on their computers.
        - Students should have Zoom installed on their computers to take the exams.
        - Students should record the exam based on the instructions posted on Canvas and upload the recorded video on their Google Drive (or any other cloud). Then share a link to the recorded video without an access code (Change the permission of the file to "Anyone with the link" on your Google Drive). After grading, students can delete the recorded videos from their Google Drive.
        - Do not upload the videos on public platforms like YouTube.
- **Final part 1:** Final part 1 is the final project (the coding part)
    - Students can do it at home.
    - Students should do it in a team but each student should write their names and team's names on their codes. Students can do it individually but teamwork is recommended. If you want to do it individually, it means you are good enough in Python, and you do not need help.
    - No presentation is needed for Final Part 1.
- **Final part 2:** Final part 2 is similar to the quizzes.
    - Final part 2 is similar to the quizzes (multiple-choice and true/false questions)
    - There may be an option to take the exams online, but details will be announced during class:
        - Students need to have a camera on their computers.
        - Students should have Zoom installed on their computers to take the exams.
        - Students should record the exam based on the instructions posted on Canvas and upload the recorded video on their Google Drive (or any other cloud). Then share a link to the recorded video without an access code (Change the permission of the file to "Anyone with the link" on your Google Drive). After grading, students can delete the recorded videos from their Google Drive.
        - Do not upload the videos on public platforms like YouTube.
- Midterm and final parts 1 and 2 are together and students should do both parts 1 and 2 to get their midterm or final grades.
- All the technical questions related to the class should be posted in the discussion section on Canvas first. Other students and TAs may answer your questions. Students will get extra credit by sharing their questions or answering others' questions in the discussion section. I will also reply to the questions if nobody answers them.

Grade average required:

A+	98% and up
A	94%-97%
A-	90%-93%
B+	87%-89%
B	84%-86%

B- 80%-83%
C+ 77%-79%
C 70%-76%
F 69% or less

De Anza Academy Integrity:

https://www.deanza.edu/policies/academic_integrity.html
Homework and labs must be your work to the following extent:

- Do not send your code to anyone.
- Do not copy anyone else's code.
- DO NOT LOOK AT OTHER STUDENTS WORK AND SHOW THEM YOURS.
- As long as you are not copying other's work, discussion and exchange of ideas are encouraged.

Disability Accommodations:

De Anza College views disability as an important aspect of diversity, and is committed to providing equitable access to learning opportunities for all students.

Disability Support Services (DSS) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations If you have, or think you have, a disability in any area such as, mental health, attention, learning, chronic health, sensory, or physical, please contact DSS to arrange a confidential discussion regarding equitable access and reasonable accommodations.

If you are registered with DSS and have accommodations set by a DSS counselor, please be sure that your instructor has received your accommodation letter from Clockwork early in the quarter to review how the accommodations will be applied in the course. Students who need accommodated test proctoring must meet appointment booking deadlines at the Testing Center. a) Midterm exam be booked at least five (5) business days in advance of the instructor approved exam date/time. b) Final exams must be scheduled seven (7) business days/weekdays in advance of the instructor approved exam date/time. Failure to meet appointment booking deadlines will result in the forfeit of testing accommodations and you will be required to take your exam with the class.

DSS Location: RSS Building, Suite 141 Phone: (408) 430-7681 Email: DSS@deanza.edu

Students with special needs to: https://www.deanza.edu/dsps/index.html

=> Important Dates:

(Please check the Academic Calendar on the De Anza College website. These dates may get changed.)

http://deanza.edu/calendar

Last Day for Drops w/ Refund	January 19, 2025
Last Day for Drops w/o W	January 19, 2025
Last Day for Drops	February 28, 2025

(Students are responsible for checking the Academic Calendar for important deadlines and any changes in the deadlines.)

The schedule of the class sessions:

- No presentation is needed.
- First-session attendance is mandatory.

- Students should take attendance quizzes every week to show they are active in class.

week 1: January 6 - January 12
- Review the syllabus & Chapter 1 - Introduction
- Chapter 2 - Variables, Expressions, and Statements

week 2: January 13 - January 19
- Quiz Chapter 1: Due date January 13
- Quiz Chapter 2: Due date January 22

week 3: January 20 - January 26
- Chapter 3 - Decisions, Relational Operators
- Quiz - Chapter 3: Due date January 29

week 4: January 27 - February 2
- Chapter 4 - Loops
- Quiz - Chapter 4: Due date February 5

week 5: February 3 - February 9
- Chapter 5 - Functions

week 6: February 10 - February 16
- Midterm part 1: Due date February 16
- Midterm part 2: Due date February 12

week 7: February 17 - February 23
- Chapter 6 - Data Structures - Lists, Dictionaries, Tuples

week 8: February 24 - March 2
- Chapter 6 - Data Structures - Lists, Dictionaries, Tuples
- Quiz - Chapters 6&8: Due date February 26

week 9: March 3 - March 9
- Chapter 7 - Files and Exceptions

week 10: March 10 - March 16
- Chapter 8 - Object-Oriented Programming - Classes and Objects
- Quiz - Chapter 7: Due date March 12

week 11: March 17 - March 23
- Final part 1: Due date March 23

week 12: March 24 - March 28
- Final part 2: Monday, March 24 from 4:00 PM to 6:00 PM

Final Exam:

- The due date for the final part 1 (coding part) will be on **March 23** at 11:59 pm. Final part 1 will be opened two weeks before its due date.
- Final part 2 (multiple-choice questions) will be on Monday, March 24 from 4:00 PM to 6:00 PM.

Changes:

This syllabus is subject to changes, additions, deletions, and/or corrections.

=> Very Important Notice:

- **This item is so important:**
  - **Once students have completed the introductory survey, they are responsible for dropping classes.**
  - **Therefore, if students want to drop the class THEY NEED TO DO IT.**
  - **Please DO NOT wait for the college system or your instructor to drop you.**

    - **So, I do not accept any requests from students to drop the class or any other official communications.**
- **Again, students are responsible for checking the Academic Calendar for important deadlines and any changes in the deadlines.**
- **To take the quizzes, midterm part 2, and final part 2 online:**
    - Students should have Zoom installed on their computers to take the exams.
    - Students need to have a camera on their computers.
- **Students should update their Canvas profile pictures with a picture showing their faces.**
- **Your first name and last name on Canvas should be your official first name and last name.**
- **For any questions, students should message me on Canvas (not email).**

De Anza Calendar: http://deanza.edu/calendar
Computer Information Systems (CIS): https://www.deanza.edu/cis/
CIS Lab: http://www.deanza.edu/buscs/labs.html
CIS Tutoring: https://www.deanza.edu/cis/tutoringOnline.html
De Anza Canvas Web: https://deanza.instructure.com/
Resources On Campus:
Student Success Center: https://www.deanza.edu/studentsuccess/
EOPS: https://www.deanza.edu/eops/
Counseling: https://www.deanza.edu/counseling/
Mutual Respect Policy: https://fhdafiles.fhda.edu/downloads/aboutfhda/4110.pdf
Student Grievance Procedure: https://www.deanza.edu/policies/grievances.html
Student Rights & Responsibilities: https://www.deanza.edu/student-complaints/rights-responsibilities.html
CARES Emergency Care Funds: https://www.deanza.edu/resources/emergency-funds.html
Students with special needs to: https://www.deanza.edu/dsps/index.html
CIS TAs and Tutors: https://deanza.edu/cis/tutoringOnline.html
De Anza CONNECT: https://www.deanza.edu/counseling/connect.html
Pride Center: https://www.deanza.edu/pride/
MESA: Math, Engineering, and Science Achievement: https://www.deanza.edu/mesa/
Guided Pathways: https://www.deanza.edu/guided-pathways/
Physical Sciences and Technology Village: https://www.deanza.edu/villages/physical-sciences-technology.html