

CIS 40 Introduction to Programming in Python - Summer 2024

Instructor: Mirsaeid Abolghasemi

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

Class hours: Tuesdays - Thursdays - 6:00 PM to 7:50 PM (Zoom meeting) - ONLINE

(Students should have Zoom installed on their computers)

Office hours: N/A for summer quarters.

Course Information:

Term: 2024 Summer De Anza | **CRN:** 12881 | **Title:** INTRO PROGRAMMING IN PYTHON | **Course:** CIS D040.41Z | **Days:** TTH | **Time:** 06:00 PM - 07:50 PM | **Room:** ONLINE

Course Requirements:

Requisites: No requisites. | **Attendance Requirements:** Not mandatory.

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

Textbook(s):

The Primary Textbook:

- **Python for Everyone, 2nd Edition, Cay S. Horstmann, Rance D. Necaise, Wiley, 2016.**

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:** Tuesday - Thursday - 6:00 PM to 7:50 PM (Zoom meeting) - ONLINE (Students should have a camera and Zoom installed on their computers)
- **Attendance:** Attendance is not mandatory.
- **Quizzes:**
 - o Quizzes are multiple-choice and true/false questions. (No coding)
 - o Students need to have a camera on their computers.
 - o Students should have Zoom installed on their computers to take the exams.
 - o 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.
 - o Do not upload the videos on public platforms like YouTube.
 - o 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
 - o Students can do it at home.
 - o 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.
 - o No presentation is needed for Midterm part 1.
- **Midterm part 2:** Midterm part 2 is similar to the quizzes.
 - o Midterm part 2 is similar to the quizzes (multiple-choice and true/false questions)
 - o Students need to have a camera on their computers.
 - o Students should have Zoom installed on their computers to take the exams.

- o 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.
- o Do not upload the videos on public platforms like YouTube.
- **Final part 1:** Final part 1 is the final project (the coding part)
 - o Students can do it at home.
 - o 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.
 - o No presentation is needed for Final Part 1.
- **Final part 2:** Final part 2 is similar to the quizzes.
 - o Final part 2 is similar to the quizzes (multiple-choice and true/false questions)
 - o Students need to have a camera on their computers.
 - o Students should have Zoom installed on their computers to take the exams.
 - o 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.
 - o 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 will 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	July 8, 2024
Last Day for Drops w/o W	July 8, 2024
Last Day for Drops	July 31, 2024

Final Exam Schedule – date and time: <http://www.deanza.edu/calendar/finalexams.html>

(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.
- No attendance is required => **But students should take the attendance quizzes every week to show they are active in class.**

Week 1: July 1- July 7

- Review the syllabus & Chapter 1 - Introduction
- Chapter 2 - Variables, Expressions, and Statements
- Quiz Chapter 1: Due date July 7 (Just one attempt is allowed and recording is needed)
- Quiz Chapter 2: Due date July 11 (Just one attempt is allowed and recording is needed).

Week 2: July 8- July 14

- Chapter 3 - Decisions, Relational Operators
- Chapter 4 - Loops
- Quiz - Chapter 3: Due date July 14 (Just one attempt is allowed and recording is needed).

- Quiz - Chapter 4: Due date July 16 (Just one attempt is allowed and recording is needed).

Week 3: July 15- July 21

- Chapter 5 - Functions
- Midterm part 1: Due date July 21
- Midterm part 2: Due date July 18 (Just one attempt is allowed and recording is needed).

week 4: July 22 - July 28

- Chapter 6 - Data Structures - Lists, Dictionaries, Tuples
- Quiz - Chapters 6&8: Due date July 25 (Just one attempt is allowed and recording is needed).

week 5: July 29- August 4

- Chapter 7 - Files and Exceptions
- Chapter 8 - Object-Oriented Programming - Classes and Objects
- Quiz - Chapter 7: Due date August 1 (Just one attempt is allowed and recording is needed).

week 6: August 5- August 9

- Final part 1: Due date August 7
- Final part 2: Due date August 8 (Just one attempt is allowed and recording is needed).

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:**
 - 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>