The Evergreen State College

Introduction to Programming: Python I (Spring 2026)

Faculty Information

- **Name: Dr. Omar Darwish**

- **Email: omar.darwish@evergreen.edu**

- **Office hours:** this course will be conducted exclusively online. To schedule a virtual meeting, please reach out via email with your preferred time slots. Once your appointment is confirmed, the meeting link will be provided to you. This ensures that I can offer personalized assistance and address your specific questions or concerns during our one-on-one sessions held in the online environment.

Class Delivery:

Class Schedule: Mondays and Wednesdays, 6:30 PM - 7:50 PM

This course will be conducted online via Zoom, with meeting details and joining instructions available on Canvas.

Please note that only authenticated users with an Evergreen account can join sessions. You will be required to sign in with your Evergreen account to access the sessions.

Textbook and Material:

This course utilizes zyBooks as the official textbook. zyBooks offers an interactive and engaging learning experience that complements the content covered in class. To access the required course materials, quizzes, and interactive exercises, you must sign up for the zyBooks associated with this course. Instructions for signing up for zyBooks are available on Canvas.

Learning Management System: Canvas

In this course, Canvas will be our primary online platform for assignments, announcements, and discussions. Familiarize yourself with its features, as it's essential for our virtual learning. Regularly check Canvas for updates and resources. If you face any technical issues or have questions, feel free to reach out so we can address them promptly.

Course Description:

Expanding on our foundational course, "Introduction to Programming: Python I," where students are introduced to Python programming, this class enhances your abilities. Covering fundamental concepts to more advanced areas such as file processing, functions, Object-Oriented Programming (OOP) principles, and utilizing Python for database management, you'll develop a robust skill set. Cap off the course with a practical project, applying your knowledge to real-world situations. Through Zoom sessions and online exercises, this course prepares you for Python programming success.

Learning Goals

By the conclusion of this course, each student should be able to:
1. Demonstrate Proficiency in Python Basics
2. Implement File Processing Techniques
3. Create and Utilize Functions
4. Design and Implement Object-Oriented Programs
5. Interact with Databases Using Python
6. Execute a Final Project

Tentative Weekly Schedule

Week	Monday	Wednesday
1	Python Basics review I	Python Basics review II
2	Files Input/Output Operations I	Files Input/Output Operations II
3	Advanced Lists and Dictionary I	Advanced Lists and Dictionary II
4	Strings I	Strings II
5	Classes I	Classes II
	Midterm Exam	
6	Inheritance I	Inheritance II
7	Database Access Using Python I	Database Access Using Python II
8	Database Access Using Python III	Database Access Using Python IV
9	Memorial Day (No class)	Handling Exceptions
10	**Final Project Presentations**	

Earning Credit

Credits for this course will be awarded based on the percentage of total points earned from satisfactorily completed coursework and attendance in at least 3/4 of the online synchronous classes. Full credit (4 credits), partial credit (2-3 credits), or no credit will be determined by the percentage of points earned. For example, students earning 85% or more of the total points and attending 3/4 of the online classes may receive full credit, 65-84% may receive partial credit, and less than 65% may result in no credit. Participation in assignments and class attendance both contribute to the total percentage of points earned.