



Introduction to Programming with Python

DSAI 301

Lecturer



H. Oktay ALTUN



By appointment



VB



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Course Info



Days: MMMWWThThThTh



Hours: 1231231234



Classrooms:
VB200/VB200/VB200



Moodle\Course Section

Assistant



Şeyma Nefise Satıcı



By appointment



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Course Objectives

In this class, our aim is for students to grasp basic computational thinking and to acquire necessary skills in order to develop basic software modules via Python. The entire course is organized with a major application goal in mind: Designing a web search engine.

Course Material

Course materials will be provided via lecturer after the live class session.

Grading

%25	Assignments
%15	Quizzes and Attendance
%30	Midterm Project
%30	Final project

The following table will be utilized to determine the letter grade:

90-100	AA
85-90	BA
80-85	BB
75-80	CB
60-70	DC
50-60	DD
0-50	F

Course Policies

- Regulations and rules of Boğaziçi University override rules declared by the instructor for this class, if any.
- Almost no restrictions in class, except talking without permission.
- Communication regarding the course will be provided through a Whatsapp group to be created. It is kindly requested that all kinds of questions be asked first through this group. If sufficient answers are not received, they should be sent via e-mail. If questions persist, they should be asked in person.
- All kinds of resources distributed about the course will be shared on the link given at Course Info Section. If you notice any missing documents, please contact the instructor of the course.

Exams

- Collaboration in exams, quizzes and assignments is strictly prohibited. If the student is caught cheating in any course activity, the student will immediately fail the class.
- The instructor reserves his right to make a further interview on the midterm and final projects.

Assignments

- Two worst grades will be discarded while calculating the final assignment grade.
- No late assignments will be accepted.

FAQ

? Can I be exempt from a quiz or an exam if I have a medical report?

! A make up exam is only available for midterm or final exam with an official medical report. Worst two grades of quizzes or homework will be discarded for this purpose.

? Are we allowed to do a team work for homework and projects?

! No. Collaboration is strictly prohibited in all coursework.

? I am working. May I take the course online?

! No, the class won't be broadcasted for online reach.

? How can we reach for a TA for this class?

! You can reach the TA via WhatsApp or by scheduling an office appointment

Bonuses

- All kinds of help determined and declared by the instructor for the course will be added to the course average, granting 0.5 points per hour spent by the student, up to a total of 5 points. This help can be a broad spectrum help from preparing documents to helping other students who are experiencing difficulties in learning.

Quizzes and Attendance

- There is no attendance requirement and attendance will not be taken in classes. However, no make ups will be allowed for short quizzes at the end of the lectures.
- Two lowest quiz grades will be discarded.

Tentative Course Content

Disclaimer: The schedule and content provided below is tentative and subject to change.

Module 1	Introduction to Programming and Basic Concept
Module 2	Variables and Data Types, Control Statements
Module 3	Procedures and While Loops
Module 4	Basic Data Management, For Loops
Module 5	Working Mechanism of the Web
Module 6	Cient-Server Communication
Module 7	Speed Management
Module 8	Hash Function and Dictionaries
Module 9	Recursive Functions
Module 10	Ranking Web Pages
Module 11	Classes and Object-Oriented Programming
Module 12	Inheritance, Polymorphism
Module 13	Computational Problem Solving and Review

Academic Integrity

Students are expected to know and comply with Bogaziçi University policies on Academic Integrity.