1. About
 2. Team
 3. Certificate Program
 4. Statistics
 5. Future Goals
 6. Student Reviews

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KOLT Python Program Information

Ahmet Uysal

Thursday 19th December, 2019







Agenda

- 1. About
- 2. Team
- 3. Certificate Program
- 4. Statistics
- 5. Future Goals
- 6. Student Reviews



1. About 2. Team 3. Certificate Program 4. Statistics 5. Future Goals 6. Student Reviews •0 00





Founded in September 2018 with support of KOLT & VPAA





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- Website: koltpython.com



1. About 2. Team 3. Certificate Program 4. Statistics 5. Future Goals 6. Student Reviews 0 00 00



• A **safe** learning environment for students from every background.



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- Opportunity for the students to develop programming skills focused on their fields or interests.

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- Opportunity for the students to develop programming skills focused on their fields or interests.
- A peer-support scheme where tutors can experience every aspect of teaching: lectures, problem sessions, preparing and evaluating assignments.
- Create high quality and open source educational content.



Team Members (Fall 2019)



Ahmet Uysal Senior Computer Eng.



Gül Sena Altıntaş Junior Computer Eng. & Math



Ceren Kocaoğullar Senior Computer Eng. & MAVA



Hasan Can Aslan Junior Computer Eng. & ECON



Advisors



Prof. Barış Tan



Prof. Barış Bozkurt



Prof. Murat Sözer



Dr. Banu Yobaş



Prof. Öznur Özkasap



Dr. Zuhal Zeybekoğlu





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- Attendance is compulsory, active participation is encouraged
- 3-4 assignments: not graded but compulsory, detailed feedback provided



Curriculum (Fall 2019)

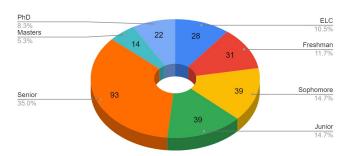
Curriculum is based on courses offered in top universities (MIT, Stanford, etc.) and feedback from our advisors.

Week	Topic
1	•
23.09.2019	Program Introduction & Variables, Console I/O, Simple Functions
30.09.2019	Basic Operators & Branching
07.10.2019	Strings, While Loops, Introduction to Lists
14.10.2019	Lists Continued, For Loops
21.10.2019	Functions
28.10.2019	Holiday (Republic Day)
04.11.2019	Mutability, Aliasing and Cloning, Sets, Tuples, Dictionaries
11.11.2019	Error & Exception Handling, File Input and Output
18.11.2019	Example Implementation: Connect Four Game
25.11.2019	Using third-party packages
02.12.2019	Workshop: Creating a personal blog with Django
09.12.2019	Workshop: APIs & Data Visualization



Spring 2019 Applicant Academic Levels

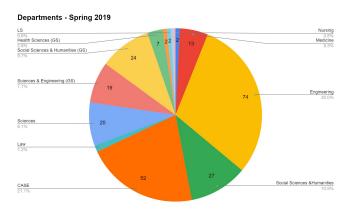
Year Distribution - Spring 2019



Number of Applicants: 257



Spring 2019 Applicant Departments

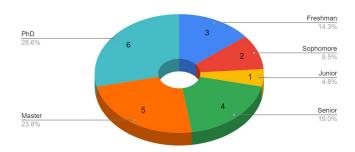


Number of Applicants: 257



Spring 2019 Participant Academic Levels

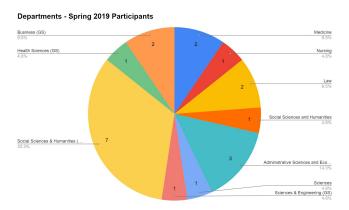
Year Distribution - Spring 2019 Participants



Number of Participants: 21



Spring 2019 Participant Departments

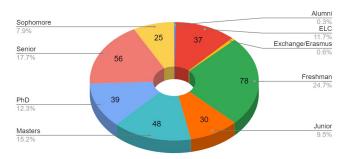


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Fall 2019 Applicant Academic Levels

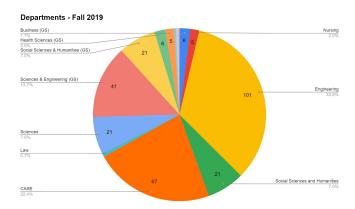
Year Distribution - Fall 2019



Number of Applicants: 316



Fall 2019 Applicant Departments

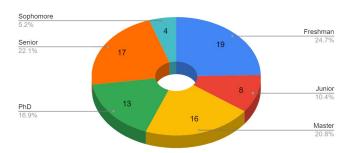


Number of Applicants: 316



Fall 2019 Participant Academic Levels

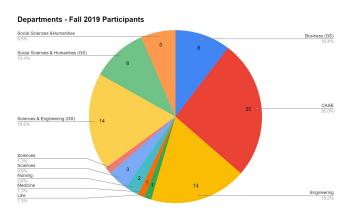
Year Distribution - Fall 2019 Participants



Number of Participants: 77



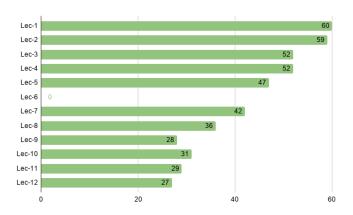
Fall 2019 Participant Departments



Number of Participants: 77



Spring 2019 Attendance over Weeks



32 out of 77 students earned the certificate



1. About 2. Team 3. Certificate Program 4. Statistics 5. Future Goals 6. Student Reviews

Future Goals



Even more emphasis on practical use of Python.



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Revised assignments



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- Revised assignments
- Final project competition & Fair

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More team members



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- Office hours



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- More team members
- Office hours
- Final project guidence





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- Working with faculty members to create guides on where to focus after fundamentals of Python
- Organizing condensed (1-2 days) workshops on more advanced topics
 - Targeting our alumni & students who already have experience with Python

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Content Creation



All of our content is open source and publicly available.



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Record lectures & problem sessions



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- Record lectures & problem sessions
- Make our content more accessible for students with special needs (visually impaired, etc.)

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- Record lectures & problem sessions
- Make our content more accessible for students with special needs (visually impaired, etc.)
- Create interactive & interesting exercises for our website

Irem Sot | PhD | Design, Technology & Society



As a person who caught up in Social Sciences for 10 years, I had several reservations before starting the KOLT Python Program. Apart from lacking any sort of knowledge about computer programming, the mere text-based education that I have obtained in the past years led me to question whether I would have been capable of learning the programming or not. Nevertheless, both the design of the program, and our trainers who allocate their spare time to our learning and employ rather simplistic and easy-to-grasp language made me realize that my thoughts regarding Python were just prejudice. Furthermore, the program is very lucrative in adopting participant oriented approach: lectures and sections are highly interactive, all material and exercise solutions are promptly made available online. This participant-centered approach surely facilitates asking the questions that most of us label as "embarrassing".



Mısra Taşçı | Freshman | School of Medicine



I'm a medical student and this is my first year. I am very interested in programming and this program is really great for me because it is like a serious course but it is fun and without the stress of exams. Also our instructors are very nice and helpful, and I really love the assignments that they prepare, time really passes quickly when I try doing them. I would love it if there were more programs like this about other subjects that I'm interested in.

Petrus J. Gerrits | PhD | Archeology



The KOLT Python certificate program has been very useful for me so far. I studied Archaeology for my undergraduate and graduate studies and my hope is that with the content of this course I can make use of Python programming more regularly. The instructors are great. they make learning Python understandable, respond quickly to questions and assist whenever needed.

6. Student Reviews

