

Advanced Python -- 高级 Python

About this course 关于本课

This course is for middle school or high school students who wants to learn how to program using Python. If you are an exceptional student in elementary school and want to attend the class, please get the instructor's permission first. If you are an adult who want to attend the class, please also get the instructor's permission first. Ideally, you should have already taken Beginner's Python, but it is not strictly required as long as you have some experiences with Python before. It covers relatively advanced concepts like numeric computing and data visualization. Attention: This course consists of two semesters: Fall and Spring semester. As a result, fall semester and spring semester cover different contents.

Words from Lecturer:

My name is Max Li(李海飞)|I have taught college students for many years (17 to be exact). I also have industrial experiences for 6 years before coming to US for graduate studies. In addition, I have been a researcher at IBM Thomas J. Watson Research Center for 2 years. I got a doctoral degree from the University of Florida (2001), a master's degree from the University of Florida (1998) and a bachelor's degree from Xi'an Jiaotong University (1990). All my degrees are in computer science and engineering.

VERY important requirement:

A windows or Mac laptop with wireless access is required for the course. Please bring the laptop to the classroom every time because every student needs to use his/her own computer for working with the code.

Fall semester

- NumPy
- Pandas

Spring Semester

- SciPy
- Matplotlib