

You're not currently signed in.

[Sign in »](#)

ZJUI CS101—Introduction to Computing for Engineering and Science

What	When and Where
Lectures	Tue/Thu 10h00–10h50 or 11h00–11h50; A-0414
Labs	Wednesday, schedule
Instructor	Zicheng Liao
Teaching Assistant	Lei Zhao Lechao Cheng Qingle Huang
Class forum	Blackboard »
repl.it Python	Run online »
Online Python Tutor	Debug/visualize online »
Online Jupyter Notebook	Run online »
Anaconda's latest Python 3.X version to run Jupyter Notebook	Download and install »

Lectures

Python Basics	Date	Supporting Resources
Lecture #1: introduction	2017-09-19	
Lecture #2: literals, variables	2017-09-21	Python session
Lecture #3: data types (<code>int</code>, <code>float</code>, <code>str</code>)	2017-09-26	Floating point Overflow/Underflow; Signed-integer representation (Pages 53-55)
Lecture #4: string formatting, functions	2017-09-28	
[Lecture #5: methods, coding]	2017-10-10	
[Lecture #6: functions, conditionals]	2017-10-12	
[Lecture #7: lists, <code>while</code> loops]	2017-10-17	
[Lecture #8: branched conditionals, <code>for</code> loops, <code>range</code>]	2017-10-19	
[Lecture #9: mutability, list and string methods]	2017-10-24	
[Lecture #10: multidimensional indexing, file operations]	2017-10-26	
[Lecture #11: dictionaries, mutable arguments]	2017-10-31	
[Midterm 1: No Lecture]	TBA	
Python Applications		
Numerical Python		
[Midterm 2: No Lecture]	TBA	
MATLAB!		
[Holiday Break: No Lecture]	2017-12-26	
[Holiday Break: No Lecture]	2017-12-28	
[Holiday Break: No Lecture]	2018-01-02	

Labs

Lab Groups	When	Where
A1	Wed 08h00–09h50	D-331
A2	Wed 10h00–11h50	D-331
A3	Wed 08h00–09h50	D-211
B1	Wed 13h00–14h50	D-331
B2	Wed 15h00–16h50	D-331
B3	Wed 13h00–14h50	D-211

You should attend your own lab section to complete and submit assignments. Exceptions must be approved in advance.

Late Policy: late submission made by Friday 12pm will receive 50% credit; 25% credit by the weekend (Sunday 12pm). No further extension is accepted.

Session	Date	Supporting Resources	Reference ans
Lab #1: get started	2017-09-20	[lab01.pdf]	
[Lab #2: strings and operators]	2017-09-27	[lab02.ipynb]	

Python Installation

Although we can't provide technical support in setting up your personal machine, if you decide to install Python we warmly recommend using [Anaconda Python 3.5](#).

Octave (Free Verion "MatLab") Installation

You can use an online version of Octave [here](#). You can also [download and install Octave](#) on your own laptop or desktop so that you can use it when offline.

Examinations

Please bring your campus card and arrive early. Consider visiting the location ahead of time so you know where you'll be taking the exam.

Exam	Date	Supporting Resources
Midterm 1	TBA	
Midterm 2	TBA	
Final	TBA	

Conflict exams are available for students with approved exceptions (such as another exam at the same time). Email course administration *prior* to the date of the midterm for more information.

Office Hours

Please email the instructor zlliao@zju.edu.cn to arrange a meeting by providing your available time slots.

References

There is no physical textbook to buy for this course. Below, you will find references that will help you. Some are online textbooks. Others are interactive tutorials. They are listed here in order of quality. If you feel confused or lost, start with Code Academy.

- [CodeAcademy](#)
- Book: [Introduction to Computation and Programming Using Python \(a Chinese edition\)](#), [archive.org](#)
- Book: [Python for Everyone: Exploring Data with Python 3](#)
- [Think Python](#)
- [Learning Python the Hard Way](#)
- [A Byte of Python](#)
- [How to Think Like a Computer Scientist](#)
- [Non-Programmers Tutorial for Python](#)
- [The Python Tutorial](#)