

Python Tutorial

Fall Term 2017 3:00-3:45 TTh Mr. Gregg

What this course is about

The Python tutorial is an introduction to Python programming. Our primary goal in this tutorial is to give you the set of Python programming skills you will need to complete the Machine Learning and/or Neural Networks tutorials in the winter and spring.

Textbook

The text we will be using for this course is *Python Crash Course: A Hands-on, Project Based Introduction to Programming* by Eric Matthes.

Course Outline

Here is a list of topics we will cover and when we will cover them.

Topic	Chapter	Date
Variables and simple data types	2	9/12
Introducing lists	3	9/14
Iterating over lists	4	9/14
If statements	5	9/19
Dictionaries	6	9/21
User input and while loops	7	9/26
Functions	8	9/28, 10/3
Classes	9	10/5, 10/10
Files	10	10/17, 10/24
Generating Data	15	10/26
Downloading Data	16	10/31, 11/2
Introduction to numpy	<i>numpy</i>	11/7, 11/9

We will have one in-class midterm exam on October 12 and a final exam on November 14.

Grading

This is how the grades will break down:

- Weekly programming assignments - 60%
- In class midterm exam - 15%
- Final exam - 25%

The late policy for homework assignments is 5% off for each day the assignment is late, up to a maximum of 25%

off. If you have a valid excuse for turning your work in late, please contact me to explain.

Course Web Site

I will be maintaining a course web site with lecture notes, assignments, and other resources at <http://www.lawrence.edu/fast/greggj/python.html>

Access to help

If you need assistance with anything, you are welcome to see me in my office or send me a question by email to greggj@lawrence.edu. My office hours this term are 9:00-11:00 MWF and 1:00-3:00 TTh. My office is 413 Briggs; the phone number there is x6736.