Python Programming

CIS - 4930 - 002: Fall 2018
Department of Computer Science, Florida State University

August 28. 2018

Class Time and Location

Tuesdays and Thursdays: 11:00 AM - 12:15 PM, HCB 316

Instructor Information

- Instructor: Sharanya Jayaraman
- Email: jayarama@cs.fsu.edu
- Office: LOV 205 A
- Office hours: Tuesdays 8:30 AM - 10:30 AM and Wednesdays 1PM - 3 PM (subject to change)

Teaching Assistants

TA: Timothy Barao

- Email: tjb13b@my.fsu.edu
- Office: MCH (Carothers) 104
- Office Hours - TBA

TA: Rupak Roy

- Email: rr18m@my.fsu.edu
- Office: TBA
- Office Hours - TBA

Email is the preferred form of communication for the course. Emails received after 5 PM will be answered within the next business day. Please do not send messages through Canvas. The instructor receives these as weekly digests, which makes it very likely you will not get a reply in time.

Class Homepage

Course Website: `www.cs.fsu.edu/~jayarama/pythonfa18.php`
This website contains all information related to this class including lecture slides, assignments, extra material handed out during class and links to some useful resources. The class will also have a Canvas page which will ONLY be used to turn in assignments, post grades and for sending out announcements.

Prerequisites

COP4530 (Data structures) or an equivalent course. Come and talk to me if you do not have the prerequisite and you still want to take the course. You should be able to program in C++.

Course Objectives

This course is an intermediate-level course in Python. Students are expected to be comfortable with the programming material that is taught in COP4530.

Topics covered will include lectures on the Python language and development environment as well as coverage of some select Python modules that demonstrate the versatility of the Python language.

Textbook

Python in a Nutshell, 3rd edition, Author: Alex Martelli, Anna Ravenscroft, Steve Holden. This is available online from multiple retailers. This is the only book you will need for this course.

Assignments, Projects and Tests

Assignments will be given periodically through the semester. They will be posted on the course website. You will have a week to 10 days to complete these assignments.

Quizzes will be used to determine class participation and will not be announced beforehand. They will involve a few questions from the day's class material and will be held at the end of class.

There will be two tests over the course of the semester. The date for the midterm will be posted later. The final is during the scheduled final time slot, Tuesday, 12/11/2018 at 8 PM.

Group Project

The course project is a semester-long project which will be assigned towards the beginning of the course. Students MUST work in groups of 3 or more. Students will be required to submit a proposal in the beginning of the semester, but the topic choice is completely open-ended. All course/project work will be done using a repository. We will closely monitor your individual contributions to the project. Your grade for the project will be based on:

1. Overall functionality.
2. Whether all of the requirements of the original proposal were met.
3. The size and quality of your individual contribution to the project (python code).
4. Overall quality of code. (PEP8, code organization, coverage, complexity, test system, build system, documentation).
5. Your ability to work in a team, and resolve merge issues and other issues in handling a large project.

You are also expected to present a short demonstration of your project for the class at the end of the semester.

Grading Policy

The final course grade will be computed as follows:

Quizzes and Class Participation	10%
Assignments	40%
Group Project	20%
Midterm	15%
Final	15%

Requests for regrading should be within a week of grades being posted on Canvas.

The final grade will be calculated according to your numerical average as shown in the table below.
THE CLASS WILL NOT BE GRADED ON A CURVE

		A	>93	A-	92.99 - 90
B+	89.99 - 87	B	86.99 - 83	B-	82.99 -80
C+	79.99 - 77	C	76.99 - 73	C-	72.99 -70
D+	69.99 - 67	D	66.99 - 63	D-	62.99 -60
F	<60				

In addition to the scale listed above, in order to earn a C- or better in the course, a student is required to achieve a test average of C- or better. If the test average is below this level, the highest possible course grade is a D+.
The test average can be computed with the following formula:
TestAvg = ((Midterm * 15) + (FinalExam * 15)) / 30

The Letter Grade on Canvas is not accurate

Canvas only takes the graded assignments into account while calculating your letter grade. So, you might see a grade of A- one day and C- the next. Please do not assume the Canvas letter grade is your actual grade. Please calculate you grade according to the grade distribution, with a 0 for all the grade that haven't yet been posted. If you need an Excel formula for your grade, please email the instructor/ TA's for one.

Late Assignment Policy

Students are expected to turn their assignments in on or before the due date. Late assignments will suffer a 10 percentage point penalty for the first 24 hour period. For example, an assignment worth 200 points turned in late will receive a 20 point penalty. Assignments turned in more than a day after the due date will receive a grade of '0', but you can still have it graded and receive feedback.

Extra Credit Policy

Extra credit points will be offered on both the midterm and the final, as well as one extra credit assignment. Also, students will be offered extra credit on their final

grade if they participate in the ACM Fall 2018 programming contest and solve at least one problem using Python.

Academic Honor Code

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students? academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to ". . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at `http://dof.fsu.edu/honorpolicy.htm`)

Assignments/projects/exams are to be done individually, unless specified otherwise. It is a violation of the Academic Honor Code to take credit for the work done by other people. It is also a violation to assist another person in violating the Code (See the FSU Student Handbook for penalties for violations of the Honor Code). The judgment for the violation of the Academic Honor Code will be done by the instructor and a third party member (another faculty member in the Computer Science Department not involved in this course). Once the judgment is made, the case is closed and no arguments from the involved parties will be heard. Examples of cheating behaviors include:

- Discuss the solution for a homework question.
- Copy programs for programming assignments.
- Use and submit existing programs/reports on the world wide web as written assignments.
- Submit programs/reports/assignments done by a third party, including hired and contracted.
- Plagiarize sentences/paragraphs from others without giving the appropriate references.

Penalty for violating the Academic Honor Code: A 0 grade for the particular assignment/quiz/exam and a reduction of one letter grade in the final grade for all parties involved for each occurrence. A report will be sent to the department chair for further administrative actions.

Accommodation for Disabilities

Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC), and 2) bring a letter to the instructor indicating the need for accommodation and what

type. This should be done within the first week of class. This syllabus and other class materials are available in alternative format upon request.

For more information about services available to FSU students with disabilities, contact the Assistant Dean of Students:
Student Disability Resource Center
97 Woodward Avenue, South
108 Student Services Building
Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD)
sdrc@admin.fsu.edu
`http://www.disabilitycenter.fsu.edu/`

Syllabus Change Policy

This syllabus is a tentative guide for the course and is subject to change. You'll be informed in class if there's a change in the syllabus.