Computer Science 1213

Programming with Python

Spring 2022 Syllabus

1 General Information

Instructor: Sai Teja Kanneganti (Email: kannegantisaiteja@ou.edu)
Teaching Assistant: Omkar Chekuri (Email: omkar.chekuri@ou.edu)
Class Time: 3:00 PM – 4:15 PM, T/Th
Class Location: Gallogly Hall, 0127 or
Online through zoom (Meeting ID: 915 8073 9638, Passcode: CS1213LEC)
Lab Time & Location: Lab 1 - 11:30 AM - 12:20 PM, F; Devon Energy Hall, 0270
Lab 2 - 12:30 PM - 1:20 PM, F; Devon Energy Hall, 0270

Required Materials:
1. zyBooks CS 1213 Programming for Non-Majors with Python, zyBooks.com, code OUCS1213KannegantiSpring2022, 979-8-203-92040-9

Instructor and TA Office Hours:
This class will have assignments due almost every week. If you need help on any of them, attend office hours. You may attend any of the hours listed below (not just those held during your lab hours). Office hours can be taken physically, upon request by the student.

Instructor office hours: 1:30 PM – 2:30 PM, T/Th
TA office hours: 2:00 PM – 3:30 PM, M/W

Zoom Addresses for Class:

Event	Zoom ID	Password	Time and Day
Lecture	915 8073 9638	CS1213LEC	3:00 PM – 4:15 PM (T/Th)
Office Hours (Instructor)	945 3615 3724	CS1213OFF	1:30 PM – 2:30 PM (T/Th)
Office Hours (TA)	922 8328 7766	CS1213OFF	2:00 PM – 3:30 PM (M/W)

1.1 Important Dates

First Day of Class: Jan 18
Midterm 1 : Feb 24
Midterm 2 : Apr 5
Final Exam : May 10 (4:30 PM – 6:30 PM)

2 University Policies

For the first two weeks of the Spring, 2022 semester (through January 31) masking will be required in all classroom settings.

The university strongly recommends the use of KN95 masks or disposable surgical masks.
Masking is required during a two-week quarantine period after a positive COVID-19 case is confirmed.

Go through OU Together slides uploaded in the files section of this course.

Title IX Resources For any concerns regarding gender-based discrimination, sexual harassment, sexual misconduct, stalking, or intimate partner violence, the University offers a variety of resources, including advocates on-call 24.7, counseling services, mutual no contact orders, scheduling adjustments and disciplinary sanctions against the perpetrator. Please contact the Sexual Misconduct Office 405-325- 2215 (8-5, M-F) or OU Advocates 405-615-0013 (24.7) to learn more or to report an incident.

3 Course Policies

3.1 Class Attendance

Classes will be held both in-person and through zoom. Class attendance is important because we will discuss/clarify concepts and examples that may not be in the textbook. You are responsible for everything that is announced in class, independent of whether you choose to attend or not. **Graded assignments will be given in class and will generally require a computer with Internet access capable of writing and executing Python code (like homework assignments). Students who do not attend will not get credit for these assignments.**

3.2 Class Home Page

This class will use Canvas learning management system for our home page. The URL for the home page is http://canvas.ou. edu. Login with your 4+4 using your standard OU password. If you have difficulty logging in, call 325-HELP. This learning management system provides a number of useful features, including a list of assignments and announcements, an electronic mailing list, and grade book. All updates to schedule or assignment due dates will be announced in class and posted to this web site. You should check the site regularly.

3.3 Class Email Alias

Urgent announcements will be sent through email. It is your responsibility to:

- Regularly read your University supplied e-mail or have it forwarded to a location where you do regularly read e-mail.
- Have your email program set up so that replying to your email will work correctly. You can send email to yourself and reply to yourself to test this. If you need assistance in accomplishing any of these tasks, contact 325-HELP. You are responsible for reading emails within 24 hours.

3.4 Examinations

There will be two mid-term and a final examination in this course. All these examinations consist of theoretical concepts, programming questions.

3.5 Use of Evaluations

The College of Engineering utilizes student ratings as one of the bases for evaluating the teaching effectiveness of each of its instructors. In addition, the instructor uses these forms to improve their own teaching effectiveness. The original request for the use of these forms came from students, and it is students who eventually benefit most from their use. Please take this task seriously and respond as honestly and precisely as possible, both to the machine-scored items and to the open-ended questions.

3.6 Spring 2021 Disclaimer

Under normal circumstances, this syllabus would not be changed significantly during the course of the semester. These are not normal circumstances. I have made every reasonable attempt to anticipate the challenges I expect could occur during the course of this semester and create a robust structure that can withstand these challenges. However, I need to have some flexibility to handle unanticipated challenges. In the event that changes have to be made, I will make every reasonable effort to be fair and kind to all students and respect the original spirit of this document**. If you need special consideration this spring, please ask for it.**

3.6 Academic Integrity

You should not show or share your code with other students in this course: both the sender and receiver will be reported to integrity council.

4 Course Coverage and Procedures

4.1 Material Covered

Most topics from zyBooks will be covered, though not necessary to the same depth. All exams and homeworks are based on material presented in lectures which in turn are based on zyBooks material (and to a small degree, some external material).

4.2 Software Tools

Various software development and analysis tools will be presented and used during this course. Some tools will be recommended, and their use is optional and some will be required. No commercial software requiring monetary cost will be required. Using commercial software optionally without proper licensing is illegal, unethical, and unacceptable in this class.

4.3 Backup Copies of Work

It is the student's responsibility to backup their files appropriately. No extensions to deadlines will be given as a result of lost files, unless there is a massive, network wide problem that affects the entire class. Do not rely on anyone else to backup your important files. Buy a jump drive (or other media) and make backing up to your work a routine part of computer usage.

5 Evaluation

5.1 Canvas Grade Summary

Canvas has a grade book that is used to store the raw data that is used to calculate your course grade. It is the responsibility of each student in this class to check their grades on Canvas after each lab or homework is returned. If an error is found, bring the graded document to the instructor and it will be corrected.

5.2 Course grading

There are 4 components to the course grade. They are weighted as follows.

Component	Percent
Exams (2 midterms, 1 final)	40 (Each midterm is 10% and final is 20%)
Homework / Individual Assignments	40
In-Class Exercises	10
Online Textbook Exercises	10

5.3 Grading Scale

The letter grade thresholds will be no higher than the following: they may be lower at the discretion of the instructors.

Grade	Percentage
A	90+
B	80-89
C	70-79
D	60-69
F	Below 60

5.4 Course Schedule

The following is a tentative schedule for covered material and examinations.

Week	Dates	Lecture Topic	Notes
1	Jan 18	Intro	Chapter 1
1	Jan 20	Data Types, Variables & Expressions	Chapter 2-3
2	Jan 25	Data Types, Variables & Expressions	
2	Jan 27	Conditional Logic / Branching	Homework 1 Due, Chapter 4
3	Feb 1	Conditional Logic / Branching	
3	Feb 3	Lists & Loops	Homework 2 Due, Chapter 5, 9.1-9.7
4	Feb 8	Lists & Loops	
4	Feb 10	Lists & Loops	Homework 3 Due
5	Feb 15	Functions	Chapter 6
5	Feb 17	Review & Midterm Prep	Homework 4 Due
6	Feb 22	Functions	Chapter 7
6	Feb 24	Midterm 1	Midterm 1 Due
7	Mar 1	Strings	

7	Mar 3	Strings	Homework 5 Due, Chapter 8
8	Mar 8	Dicts, sets and Tuples	Chapter 9.12–9.15
8	Mar 10	Dicts, sets and Tuples	Homework 6 Due
9	Mar 22	Files	Chapter 11
9	Mar 24	Files	Homework 7 Due
10	Mar 29	Review & Homework/Midterm Prep	
10	Mar 31	Algorithms and Sorting	Chapter 10
11	Apr 5	Midterm 2	
11	Apr 7	Algorithms and Sorting	
12	Apr 12	Algorithms and Sorting	Homework 8 Due
12	Apr 14	List Comprehensions	Chapter 9.8
13	Apr 19	Classes	Chapter 12
13	Apr 21	Classes	Homework 9 Due
14	Apr 26	Error Handling	
14	Apr 28	Error Handling	Homework 10 Due
15	May 3	Advanced Topics	
15	May 5	Final Exam Preparation	
16	May 10	Final Exam (4:30 pm – 6:30 pm)	