CS 1213: Programming for Non-Majors with Python
Syllabus - Fall 2024

1. General Information:

Lecture (CS1213 -010):
M/W/F 10:00 – 10:50AM
Location: Sarkeys Energy Center, N0202 (SEC202)
Instructor: Omkar Chekuri
Email: omkar.chekuri@ou.edu

Lab 1 (CS1213 -011)**::**
Lab: F 11:00 – 11:50 AM
Location: Sarkeys Energy Center, M0207 (SEC207)
Instructor: Saeed Tajik Hesarkuchak
Email: saeedthk@ou.edu

Lab 2 (CS1213 -012)**::**
Lab: F 12:00 – 12:50 PM
Location: Sarkeys Energy Center, M0207 (SEC207)
Instructor: Maisha Maliha
Email: maisha.maliha-1@ou.edu

Office Hours: On Canvas, under Pages. These sometimes change during the semester. Temporary changes will be announced through email. Permanent changes will be announced through email and made on Canvas.

Zoom Addresses: On Canvas, under Pages.

Textbooks: These textbooks are available for online access via OU libraries

1. **Bite-Size Python - An Introduction to Python Programming**

2. **A Practical Introduction to Python Programming By Brian Heinold**

The textbook is used only for personal reference. These are free textbooks available in canvas. All assignments are custom.

2. Course Policies

Class Attendance: Classes will be held in-person. 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.

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

Email Correspondence: Please address all the emails related to the course with the subject containing "CS1213" as a predicate followed by the appropriate subject line to help us keep track of the email among numerous other emails.
Example subject for the email regarding midterm 1: "CS1213 – Midterm 1 clarification"

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

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

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.

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

Grading: The course letter grade will be assigned based on the overall percentage:
90-100 (A), 80-89 (B), 70-79 (C), 60-69 (D)

Component	**Percent**
Exams (2 midterms, 1 final)	**40** (Each midterm is 10% and final is 20%)
Individual Assignments	**50** (Approx. 11 assignments)
Quizzes	**10** (Approx. 10 quizzes)

Exams: Each exam is comprehensive. They will include the analysis, tracing, and writing of programs.

Assignments: There will be approximately one homework assignment each week. These will contain questions focused on the theoretical foundations of programming with small snippets of code writing. These are to be turned into canvas as python files.

Labs: Labs are optional and designed for programming practice and to help with your homework. We understand that Googling is an important aspect of modern programming, although completely copied and pasted projects will be turned into the Academic Misconduct Office. One or two lines accompanied by an explanation and citation are permissible.

Quizzes: There will be approximately one quiz conducted per week at the end of the class focusing on the material covered until that point of the week. Missing a class without permission from the instructor results in a missed quiz.

3. University Policies

Religious Observances: It is University policy to excuse absences that result from religious observances and to reschedule exams and assignment deadlines that fall on religious holidays. Please check the schedule and inform me of any conflicts as soon as possible.

Accommodation: Any student with a disability should contact the instructor so that reasonable accommodation may be provided for that student.

Adjustments for Pregnancy/Childbirth Related Issues: Should you need modifications or adjustments to your course requirements because of documented pregnancy related or childbirth-related issues, please contact me as soon as possible to discuss. Modifications will be made where medically necessary and similar in scope to accommodation based on temporary disability. Please see http://www.ou.edu/eoo/faqs/pregnancy-faqs.html for commonly asked questions.

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) or the Sexual Assault Response Team 405-615-0013 (24.7) to learn more or to report an incident.

Programming for Non-Majors with Python
CS 1213: Fall 2024 Schedule

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

Week	Day	Dates	Lecture Topic	Notes
1	M	Aug 19	Introduction	
1	W	Aug 21	Data Types, Variables & Expressions & Quiz 1	
1	F	Aug 23	Data Types, Variables & Expressions	Quiz 1 - Due
2	M	Aug 26	Data Types, Variables & Expressions	
2	W	Aug 28	Boolean Operations & Homework 1	Quiz 2 (Quiz 2 Due Aug 29th)
2	F	Aug 30	Campus closed for football	
3	M	Sep 2	No class: Labor Day Holiday	
3	W	Sep 4	Review & Homework 2	Homework 1 Due (Thursday Sep 5th)
3	F	Sep 6	Conditional Logic / Branching	
4	M	Sep 9	Conditional Logic / Branching	
4	W	Sep 11	Lists & Homework 3	Homework 2 Due
4	F	Sep 13	Lists	
5	M	Sep 16	Loops	
5	W	Sep 18	Loops & Homework 4	Homework 3 Due
5	F	Sep 20	Loops	
6	M	Sep 23	Functions	
6	W	Sep 25	Functions	Homework 4 Due
6	F	Sep 27	Midterm Prep	
7	M	Sep 30	Midterm 1 (Till Loops)	
7	W	Oct 2	Functions & Homework 5	
7	F	Oct 4	Strings	
8	M	Oct 7	Strings	

8	W	Oct 9	Strings & homework 6	Homework 5 Due
8	F	Oct 11	Dictionaries, sets and Tuples	
9	M	Oct 14	Dictionaries, sets and Tuples	
9	W	Oct 16	Dictionaries, sets and Tuples & homework 7	Homework 6 Due
9	F	Oct 18	Review & Practice	
10	M	Oct 21	List Comprehension	
10	W	Oct 23	List Comprehension & homework 8	Homework 7 Due
10	F	Oct 25	Classes	
11	M	Oct 28	Classes	
11	W	Oct 30	Classes	Homework 8 Due
11	F	Nov 1	Midterm Preparation	Quiz - possible
12	M	Nov 4	Midterm 2 (Till Classes)	
12	W	Nov 6	Error Handling	
12	F	Nov 8	Error Handling	
13	M	Nov 11	Files	
13	W	Nov 13	Files & homework 10	Homework 9 Due
13	F	Nov 15	Files	
14	M	Nov 18	Visualization	
14	W	Nov 20	Visualization & homework 11	Homework 10 Due
14	F	Nov 22	Visualization	
15	M	Nov 25	Practice	Quiz – In class
15	W	Nov 27	Thanksgiving Vacation	
15	F	Nov 29	Review	Homework 11 Due
16	M	Dec 2	Advanced Topics (Sorting Algorithms)	
16	W	Dec 4	Final Exam Preparation	
16	F	Dec 6	Final Exam Preparation	
17	W	Dec 11	Final Exam (8:00 AM to 10:00 AM)	