

CS 1103 – Computer Programming I Fall 2020

Instructor

Name	Lecture	Office Hours	Email
Dr. Sadiq Albuhamood	MWF 10:30-11:15 CLB102	TBA	albuham@okstate.edu

Computer Programming

Introduction to Python Programming language, Introduction to computer science using a block-structured high-level computer language, including subprograms, arrays, and records. Principles of problem solving, debugging, documentation, and good programming practice.

Prerequisites MATH 1513 or equivalent

Objectives

Learn problem solving using computers. Learn to design, write, and debug computer programs using the Python programming language. Learn to read and understand Python code. Learn some of the basics of Unix systems. Explore and design programming techniques.

Textbook

Primary Text In this particular course, an online textbook and assignment system called zyBooks will be used. Most of the assignments and programs will be covered through zyBooks and zyLabs, so it is a must to subscribe on zybooks. The following is how to subscribe:

1. Sign in or create an account at learn.zybooks.com
2. Enter zybook code: **OklahomaStateUniversity1103AlBuhamoodFall2020**
3. Subscribe:
 - a. Subscription cost is \$77.
 - b. Students may begin subscribing on Aug 3rd, 2020.
 - c. The cutoff to subscribe is Dec 12th, 2020.
 - d. Subscriptions will last until Jan 14th, 2021.

Instructor Response Time

Response time is 24-48 hours for all student inquiries. Providing grades and/or feedback for assignments will take up to 2 weeks of the assignment due date.

Your emails are important to me. To ensure that I see your email, please make sure to begin the subject line with the course number in square brackets, followed by the message subject; for example: [CS 1103] Unable to compile a source code

Participation Expectations

This class will be challenging, and require a significant amount of time. You are, after all, learning a new language. The only way to become proficient is to do a lot of it. The typical rule of thumb is that you should expect to spend 2-3 hours studying the materials. This means that in addition to viewing the lectures, you should plan to spend 6-9 hours per week on average reading the text, doing the labs, writing the assigned programs, and other studying. Some weeks may require even more time than this.

zyBook reading of recommended topics and participating in some activities.

Exercises are given on most lectures to help improve understandings and be familiar with important skills. It will be in the form of a 15-minute exercise that is open book and open notes and you are encourage to consult with a colleague in solving it.

Quizzes are given weekly and some will be given as traditional quiz and some will be online on Canvas. The quizzes will specifically go over points from the week's slides. The quizzes will be given in class which will be timed at 5 to 7 minutes. If an online quiz is given in class, students are required to do it using a phone or a laptop.

Lab Assignments (Labs) are due during the lab session. Some labs must be shown to your for grading. Some labs will be turned into a zyBook auto grader that will assign the grade.

Programming Assignments (Programs) are to be submitted after 2 weeks of assignment on the designated folder on Canvas. Programs will be evaluated line by line and a score is going to be given based on the logic of the Program and weather the Programs runs and provide the correct output to get a full grade.

Exams will be three monthly exams during the semester at the normal lecture time. All of these exams will be held in the lecture hall. A handwritten sheet of notes of two sides is allowed in the exam.

Late work policy

Instructor may accept assignments turned in after the due date with a penalty (**-10% per day**). **No assignment will be accepted after one week of the due date or after the answers are published or shown in the lecture.**

Grading Policy

Your grade in this course will be calculated according to the completion of the following assignments:

Assignment	Number	Points	Total	Percentage
Exercises	13	3	39	4%
Quizzes	13	7	91	9%
Labs	12	25	300	30%
Programs	6	35	210	21%
Exams	3	70	210	21%
Final	1	150	150	15%
Total			1000	

Final grades will be assigned according to the following scale:

Grade	Points Earned
A	≥ 900
B	800 – 899
C	700 – 799
D	600 – 699
F	< 600

Assignment submissions

Programs must be submitted to Dropbox on Canvas. The code will be inspected for proper style, compiled, and executed on a few test cases. Code may be submitted and passed off multiple times, as long as the Canvas late submission window is open. After the last submission date, all submitted programs will be graded. All submitted source code will be checked for plagiarism. Plagiarized assignment will receive 0.

Collaboration

Discussion of concepts, ideas, and techniques is allowed. After discussion, each student must write up his/her own solution. Copying another person's work, in part or whole, is not allowed. Giving another student your work, in part or whole, is considered cheating as well. If you are unsure whether your collaboration is acceptable, speak with the instructor in advance. The internet is a great place to find out how to do things in Python, and we encourage you to use it for that purpose. However, copying a whole program or assignment, or a large chunk of one, and turning it in as your own work is cheating. Think about the purpose of an assignment. If what you are doing bypasses the purpose of the assignment, then it is probably cheating. Any violation of academic integrity would result in a undroppable grade of zero for that assignment and an additional reduction of one letter grade in the course and a report to the university administration. Major violations will result in a grade of F!.

Getting Help:

There are quite a few ways to get help in this class. Here are some of them:

- Come to the office hours of the instructor or TAs.
- Free tutoring is available on campus through the Lasso center (<https://lasso.okstate.edu/tutoring>).
- If you feel you may want study support, form a study group.
- If you find yourself getting behind, don't just drop out of the class. Instead, come in and discuss your options with the instructor or TAs. Do this early. It's hard to help you if you have missed a third of the semester's work.