

CS 4793.2 (CS/CIS4973.w1) Python for All, fall 2019

General Information

Class Time: T, Th: 2:00-3:15PM (4973.2, CB-104 face-to-face) or Online (cs/cis4973.w1)

Prerequisite: None

Required Textbook (you just need to choose one of the two options):

Option-1(Paperback), Python for Everyone, 2nd Edition, by Cay S. Horstmann etc., Wiley publisher, ISBN: 978-1-119-05655-3

Option-2 (E-Book with Interactive features), Python for Everyone, 2nd Edition, by Cay S. Horstmann etc., Wiley publisher, ISBN: 978-1-119-05636-2

Recommended Textbook (this is not required):

Fundamentals of Python: Data Structures, 2nd Edition, by Kenneth Lambert, Cengage publisher, ISBN: 978-0-357-12275-4 (note: if you plan to know about Python)

Starting out with Python, 4th Edition, by Tony Gaddis, Cengage publisher, ISBN: 978-0-13-444432-1

Instructor Information

Instructor: Ming-Shan Su, Ph.D.

Phone: (580) 745-2280, Fax: 745-7503

Office Hours: 8:30am-10:30am (M,T,W,TH)

Office: Room CB130, Classroom Building

Email: msu@se.edu

2:30pm-4:30pm (M)

Other hours by appointment (arrangement must be made in advance)

Course Description:

This course introduces computer programming. The entire process of creating software is examined from analysis and design to coding and testing. An emphasis is placed upon problem solving using top-down and bottom-up techniques. Language features include data types, functions, program flow control, and input/output. No prior programming experience is required.

Course Objectives: the objectives of this list are directly linked to the objectives of the Computer Science Program. The superscripts at the beginning of each course objective are links to the specific Computer Science Program objectives. A list of the program objectives can be found on pages 84-85 and General Education objectives on page 57-58 at the following link: https://www.se.edu/student-life/wp-content/uploads/sites/37/2019/06/CATALOG_201719_WEB2019.pdf

By the end of this course, a student will be expected to:

1. ^{1,2}Have a basic understanding of the Python programming concepts
2. ^{1,2,6}Have the abilities to write, test, and debug programs using Python
3. ^{1,2,3}Perform basic IO (Input/Output) on data
4. Write Expressions, such as Arithmetical Operations
5. ^{1,2,6}Write Selection and Repetition (Looping) statements
6. ^{1,2,7}Write Function, List (Array), Set, Dictionary, and String statements
7. ^{5,7,8}Apply the knowledge learned to create useful computer applications

Evaluation and Examination:

Several projects/assignments and three exams will be given during the semester. The assignment or exam dates will be announced at least one week in advance in class. Missing an examination without a formally approved excuse will result in a grade of zero on the exam. There will be no makeup exams except in cases of emergencies.

Grading:

The course grade consists of four parts. They are weighted as follows.

Projects: 55%, First Exam: 15%, Second Exam: 15%, Final Exam: 15%

The letter grading scale will be assigned on a percentage basis as follows.

Grade 'A': 90%+, 'B': 80-89%, 'C': 70-79%, 'D': 60-69%, 'F': Otherwise. Borderline grades will be determined by the instructor on the basis of student performance and attendance.

Course Policies:

Attendance: Attendance is expected and roll will be taken each class period. After 5 absences, your grade will drop a letter grade for each subsequent absence. It is up to the student to visit with the instructor about absences. It is the student's own responsibility to obtain material distributed through his/her classmate on class days when he/she was absent. Portable phones must be turned off or turned to vibration mode during the class.

Assignments:

All the projects have to be coded in Python language except projects. All assignments are **due by 11:59 pm** on the date due.

- For every 24 hours late, 10% of the grade for the project will be deducted. Any project that is **more than 3 days late will not be evaluated.**
- **If a project (program) does not compile, the project will receive no credit.** If a project can compile but can not execute properly, it will receive an automatic deduction of 50% off from the grade on that project.
- Each project is expected **to be documented clearly.** A project that lacks or has unclear documentation will receive an automatic deduction of up to 15% from the grade on that project.
- **You are required to do the project by yourself.** Copying programs or consulting others for coding is strictly prohibited and **may result in a failing grade.**

Academic Dishonesty:

Plagiarism and cheating are prohibited and may result in a failing grade, failure in the course, and/or expulsion from the University.

Posting of Grades:

Final grades will not be posted and grades will not be dispersed over the telephone. If you wish to have your final grade sent to you, please bring a self-addressed, stamped envelope to the final exam.

American with Disabilities Act:

The Office of Disability Services is now located in the Student Union, Room 328. Additionally, all accommodated test proctoring will take place in this location (i.e. *no longer in the Learning Center*). Any student needing accommodations due to a disability should contact the Office of Disability Services, GDJ Student Union Room 328 or call (580) 745-3036. It is the responsibility of each student who anticipates or experiences barriers to their academic experience to make an official request for disability related accommodations in a timely manner. If you have questions regarding disability accommodation process or policy please contact Tiffany Tate, ttate@se.edu for more information.

Equal Opportunity Statement:

Southeastern Oklahoma State University, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, sexual orientation, gender identity, or status as a veteran in any of its policies, practices, procedures, or programs. This includes, but is not limited to: admissions, employment, financial aid, and educational services. Inquiries regarding non-discrimination and equity policies may be directed to: Michael Davis, Director of Compliance and Safety & Title IX Coordinator, (580) 745-3090, or mdavis@se.edu.

Title IX of the Education Amendments of 1972 (20 U.S.C. § 1681) states:

No person in the United States, shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance..." Southeastern Oklahoma State University does not discriminate on the

basis of sex in its education programs or activities, in compliance with Title IX and the U.S. Department of Education's regulations at 34 C.F.R. §§ 86.1 et seq. Individuals who believe they have been discriminated against on the basis of sex may contact S.E.'s Title IX Coordinator at 580-745-3090, titleix@se.edu, or PMB 2750.

Mental Wellness:

Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745-2988 to schedule an appointment during normal working hours Monday-Friday, 8:00AM to 5:00PM. For after-hours mental health emergencies, please call SE Campus Police at (580) 745-2911 or the Mental Health Crisis Hotline at 1- (800) 522-1090.

Other Policy:

The instructor reserves the right to make adjustments to the syllabus and/or grading policy as needed in order to meet the instructional needs and goals of the class. Students will be notified of any adjustments to the syllabus.

Tentative Class Schedule

WK	Dates	Chapters/Topics	HW	Remarks
1	Aug.	20,22		
2		27,29	1	
3	Sept.	03,05		
4		10,12	2	
5		17,19		
6		24,26	3	<i>Exam01</i>
7	Oct.	01,03		
8		08,10	4	
9		15,17		
10		22,24		
11		29,31	5	<i>Exam02</i>
12	Nov.	05,07		
13		12,14	6	
14		19,21		
15		26,28	7	
16	Dec.	03,05		
17		09-13		<i>Final</i>

Semester Calendar:

August 19	Classes Begin
August 23	<ul style="list-style-type: none"> Last Day to Enroll In or Add Classes Last Day to Drop a Class with No Grade Record Last Day to Drop a Class with Refund/No Charges
August 30	Student Attendance Certifications are due, noon
*September 2	Labor Day Holiday
September 13	1 st EAR/Progress reports due
October 11	2 nd EAR/Progress reports due
October xx (TBA)	Assessment Testing Day (classes resume at 1:00 pm)
November 6	Final EAR/Progress reports due
November 9	Final Day to Drop or Withdraw a Class with "W"
November 25-Dec. 1	Thanksgiving Holiday (Break)
December 09-13	Finals Week
December 13	Semester Ends
December 17	Submit Final Grades by noon

Resources:

1. Python free software: www.python.org 2. www.lynda.com, 3. www.google.com