Computer Science 220 - Computer Programming I
Fall 2019 - Syllabus

Instructor: Kebin Xu *E-mail:* xuk@cofc.edu *Office:* HWEA 306
Class Webpage: http://xuk.people.cofc.edu/CSCI220/www/csci220.htm

Required Text: Zelle - *Python Programming 3rd (or 2nd) Edition* published by Franklin, Beedle & Associates
Required Software: Python 3.x , *Recommended Software*: Anaconda, PyCharm

Class Meeting Times: Section 1: MWF 9:30 – 10:20, Section 2: MWF 10:30 – 11:20, Section 3: MWF 11:30 – 12:20
Office Hours: MWF 1:30 – 2:30pm – Other times by appointment
Lab Meeting Times: Section 1: M 2:30 – 5:00, Section 2: M 5:15 – 7:45, Section 5: R 5:00 – 7:30
Lab Instructor/TA: Anthony Morrell (morrellaj@g.cofc.edu), office hours: T 11:30-1:30, R:3:30-5:00

Course Description - Prerequisite and Co-requisite:
An introduction to programming and problem solving using Python. Topics include data types, variables, assignment, control structures (selection and iteration), arrays, methods, classes and an introduction to object-oriented programming.

Pre-requisites: CSCI 120 or CSCI 180 or CSCI 210 or MATH 111 or permission of the department
Co-requisite: CSCI220L

Course Goals:
- To learn the fundamentals of procedural analysis and design.
- To learn the features of procedural programming: the major types of statements, such as assignment, repetition, and selection, and the major data types, such as integers, real numbers, character strings, and lists.
- To learn to use graphical objects.
- To learn the implementation of these features in the Python language.

Course Outcomes: See CSCI220Objective_bloom.pdf

Course Policies:
- **Attendance:** You are expected to attend all classes. The grade "WA" will be given for excessive (>=3) absences. If you miss class, you must get an absence memo from the Absence Memo Office (http://studentaffairs.cofc.edu/about/services/absence.php). I will document absences by taking roll at the beginning of class. If a student is not present when roll is taken, he or she will be officially 'absent'. Regardless of actual attendance, you are responsible for announcements made in class, assignment due dates, etc. There will be two in-class exams and a comprehensive final exam, attendance at which is mandatory.
- **Disability Accommodation:** The College will make reasonable accommodations for persons with documented disabilities. Students should apply at the Center for Disability Services / SNAP http://disabilityservices.cofc.edu/ , located on the first floor of the Lightsey Center, Suite 104. Students approved for accommodations are responsibility for notifying me, during my office hours, as soon as possible and for contacting me one week before accommodation is needed.
- **Weather:** If the College of Charleston closes and members of the community are evacuated due to inclement weather, students are responsible for taking course materials with them in order to continue with

course assignments consistent with instructions provided by faculty. In cases of extended periods of institution-wide closure where students have relocated, instructors may articulate a plan that allows for supplemental academic engagement despite these circumstances.

- **Homework :** About **ten** Python programs will be assigned. You may discuss the problem and how to solve it with your classmates. If you get hint/help from other recourses(internet, TA, tutor of CSL (http://csl.cofc.edu), please document in your homework. Students are expected to abide by the Honor System of the College of Charleston and the **Student Code of Conduct** (http://studentaffairs.cofc.edu/honor-system/studenthandbook/), especially sections on Cheating, Plagiarism (pp. 10-11), and Computer Use (p. 13). Please refer to HomeworkPolicy.pdf for details.
- **Homework Due date:** Each assignment is due by the date and time that will be stated on the assignment. Assignments will be accepted only via OAKS. Do NOT submit assignments to me for grading via email. If you have questions about your grading comments, you may email TA and cc to me. You must have a 70% average on the homework to pass the course with a C- or better.
- **Quizzes:** For each chapter, you need take online quiz via OAKS. You may take the quiz up to 5 times as long as the "quiz window" is open. OAKS will display all of your submissions, but will report your quiz grade for the chapter as the highest grade you earned on that chapter's submissions. **Be sure to "finish" and "submit" the quiz in every attempt. An incomplete attempt will make your highest score zero, regardless how many complete attempts were submitted. In-class quizzes will also be held occasionally.**
- **Additional Help:** There are three resources for additional help. You can visit my office, you can meet with your TA/lab instructor during his office hour, or you can visit the CSL (http://csl.cofc.edu)in the library.
- **Electronics Devices:** Be respectful about unnecessary distractions to you and to others seated around you.

Grade Calculation:

- **Test and Program Averages:** Tests will be averaged: Quiz average, 10%; Tests 1 and 2, 28% each; Final Exam, 34%. To pass the course with a C- or better, you must have a passing average (at least 70%) on the tests (including the final), independent of the Homework. All homework will be weighted according to difficulty and complexity. To pass the course with a C- or better, you must have a passing average (at least 70%) on the homework, independent of the tests.

- **Final Grade Computation:**
  If *both test and homework averages are above 70%*, the final grade will be computed:

Attendance ……………………………………..	5%
Quiz, Test #1, Test #2, and Final…………………	75%
Weighted homework………………………………	20%

- **Scale:** A/A-: 90-100; B+/B/B-: 80-89; C+/C/C-: 70-79; D: 60 – 69; F: <= 59
  Plus/Minus will be given at my discretion.

Important Dates:
 Oct 11 (F): Tentative test1
 Oct. 14-15 (M,T): Fall break
 Oct 16 (W): Midterm grades due
 Oct 25 (F): Last day to drop with grade of "W"
 Nov. 6 (W): Test 2
 Nov.27 (W) – Dec. 1st (Sun.): Thanksgiving Holiday
 Dec. 2 (M): Last day of classes

Final exam: Section1: Dec. 9 (M): 8:00-11:00am, Section2: Dec. 11(W): 8:00-11:00am,
            Section3: Dec. 6 (F):   8:00-11:00am