



Technology
Spring 2025
06-JAN-25 - 01-MAY-25
COP 2373
Programming Concepts II
100% Online

Instructor Information

Instructor: Susan Melichar

Office Location: Bradenton Campus, Building 18, Room 149

Office Hours

See Office Hours Booking Appointment Section below.

Phone: (941) 752-5334

Email: melichs@scf.edu (The preferred method of communication is through Canvas messaging - Inbox icon on the left-hand menu of the Canvas page)

Department Chair or Academic Supervisor Information

Jason Reed

Additional Information

If a student encounters a problem in the course, they should work with the professor to resolve it. If the student needs help and the professor is unable to help or is unavailable, contact Jason Reed, Technology Department Chair by email - reedj@scf.edu.

Office Hours Booking Appointment

[Book time with Susan Melichar](#) - use this link to schedule an appointment. Additional office hours can be requested by email.

Course Description

(3) (A.A.) Prerequisites: COP 2510 with a grade of "C" or better. This course will introduce and build upon the basic concepts of an object-oriented programming language using the python programming language. Students will learn to create interactive programs using lists dictionaries and tuples. Students will learn more advanced techniques of working with files. Finally students will learn about object oriented programming by manipulating functions and methods within object

classes.

Student Learning Outcomes

Upon successful completion of this course, the student will be able to:

- Gather data to perform data aggregation
- Implement functions for handling and analyzing character data
- Implement functions for handling and analyzing numeric data
- Create modules to simplify code
- Use advanced data structures for efficient handling of data
- Access and manipulate data from SQL databases
- Apply advanced debugging techniques
- Conduct basic data analysis

Text and Materials

Supercharged Python

ISBN: 9780135159941

Authors: Overland & Bennett

Publisher: Addison-Wesley

Attendance Policy

Attendance and participation will be based on the submission of assignments. Almost every week, students will be asked to submit a program. On time submission of assignments will be used to measure student attendance.

No-Show Policy

Students who do not drop a course that they have never attended will be reported as a No-Show by the course instructor during the No-Show period. This drop may have financial aid implications for the student who is dropped.

Grading Policy and Rubrics (Instructor)

Grades are weighted based on these categories as follows:

Weekly Assignments.....70% of Total Grade

Weekly Quizzes.....15% of Total Grade

Final Exam.....15% of Total Grade

Grade Scale: A: 90 – 100, B: 80 – 89, C: 70 – 79, D: 60 – 69, F: Below 60

Please note: The instructor reserves the right to change the course schedule if needed. Students are responsible for submitting all assignments and taking the quizzes and final exam.

Course Assignments

Assignments will consist of programming exercises, discussion posts and weekly quizzes. All of these will be submitted through Canvas. In addition, the student will have their own personal repository which will have the code and technical design documents for the programming assignments.

Your instructor will run your programming exercises and determine a grade.

Late Work

No late assignments will be accepted.

Technology Requirements

Students must have access to a computer (Windows, macOS or Linux) with a standard browser and system privileges to install the Python, PyCharm, and iPython. Windows is the preferred operating system. It is used exclusively in the course materials. macOS and Linux versions of the toolchain are readily available, but tool support is limited to what is available on the Internet rather than from your instructor. Experience indicates that differences from Windows are more likely to reside with the operating system, file system, tool configuration, and supporting applications (e.g. graphics). If you have adequate, recent working experience with macOS or Linux the differences should be no more than minor annoyances.

Most of the course will be accessed through Canvas. Assignments will be worked on using the tools included in the Environment Setup module. Your work will produce one or more files. You will use Canvas to upload these files for submission.

Email Policy

Students are required to communicate with their instructor using their official SCF email address unless directed by instructor to use Canvas Inbox.

Withdrawal Policies

Students should consult the College Catalog for a complete listing of withdrawal policies.

A withdrawal is a change in the student's course schedule where one or more courses are withdrawn before the end of the term. Withdrawn courses appear on the student's transcript as a "W" and are classified as attempts. No refunds are permitted for withdrawn courses.

Withdrawing from a course

Course withdrawal is a withdrawal from one or more classes for a term but not a complete withdrawal from the college. **Failure to complete the process of a drop form or drop a class online may result in the student being assigned a grade of "F".**

Financial Aid Impact

Withdrawing from one or more courses during the semester, without complete withdrawal from the college, may have an impact on both the amount of aid received for the semester and a student's academic eligibility to continue receiving financial aid for future enrollment. Students should contact the Office of Financial Aid for further information regarding the impact of withdrawing from one or more courses.

Faculty Withdrawal

Before the course withdrawal deadline and upon approval of the Department Chair, Assistant Dean, or another appropriate academic administrator, a faculty member may withdraw a student when the student has stopped attending or engaging in the class for an extended period of time as defined in the course syllabus and has not formally withdrawn from the course, resulting in their inability to successfully pass the class.

If a student's absences, tardiness, or misconduct is causing disruption, the faculty member may file a code of conduct violation with the Dean of Students. The Dean of Students will work with

the faculty member and the appropriate academic administrator before determining if a withdrawal is appropriate.

In the event of an approved faculty withdrawal, a grade of W will be recorded. The grade is recorded on the student's permanent academic record. Fees are applied for all courses accordingly and are counted as attempted courses.

Academic Continuity

If for any reason class delivery is interrupted, students will have the opportunity to continue their studies. In the event of any interruption to classes, students should check their SCF email and Canvas course shell for further guidance. Students should also continue with the coursework according to the syllabus and as delivered via Canvas.

Statement of Plagiarism

Plagiarism is the use of ideas, facts, opinions, illustrative material, data, or direct or indirect wording of another scholar and/or writer—professional or student—without giving proper credit. Expulsion, suspension, or any lesser penalty may be imposed for plagiarism.

Copyright

The unauthorized copying, sharing, or distribution of copyrighted material is prohibited. It is a violation of the Copyright Act, Academic Ethics, and the Code of Student Conduct. Students who violate copyright are subject to discipline.

Standards of Conduct

Students are expected to abide by all [SCF Student Handbook](#) guidelines.

Technical Support Information

For technical issues with Canvas, contact Canvas technical support by clicking the question mark icon in the lower left-hand corner of the Canvas window and choosing "Report a Problem" or "Chat with Canvas Support." Also, Canvas support can be contacted via phone at 844-920-2764.

For technical issues with My SCF, contact SCF technical support by calling 941-752-5357 or emailing HelpRequest@SCF.edu.

Recording

Students may, without prior notice, record video or audio of a class lecture for a class in which the student is enrolled for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a college course intended to present information or teach enrolled students about a particular subject. Recording class activities other than class lectures, including but not limited to lab sessions, student presentations (whether individually or part of a group), class discussion (except when incidental to and incorporated within a class lecture), clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the faculty member is prohibited. Recordings may not be used as a substitute for class participation and class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the student code of conduct.

Regular and Substantive Interaction

The US Department of Education has issued updated rules on distance education. The updated rules state regular and substantive instructor/student interaction in online courses should take place on a predictable and scheduled basis and in a substantive manner that engages students through teaching, learning, and assessment as well as in at least two of the following activities: providing direct instruction such as via synchronous virtual instruction; assessing or providing substantive and timely feedback on a student's coursework; providing information or responding to questions about the content or competency; or other approved substantive instructional activities.

Disability Resources Center

State College of Florida, in accordance with the Americans with Disabilities Act, will provide classroom and academic accommodations to students with documented disabilities. Accommodations do not automatically transfer from high school or other institutions. Students must apply and submit disability documentation to the Disability Resource Center (DRC). Once registered, the Faculty Notification Letter containing all approved accommodations, important information, and links to forms and processes will be emailed to instructors. Students and instructors are encouraged to work collaboratively throughout the semester to facilitate appropriate use of accommodations.

DRC Contact Information:

Email: DRC@SCF.edu

Phone: 941-752-5295

DRC Website

[Disability Resource Center website](#)

Statement of Nondiscrimination

State College of Florida, Manatee-Sarasota does not discriminate on the basis of sex, race, religion, age, national origin/ethnicity, color, marital status, disability, genetic information sexual orientation in any of its educational programs, services, or activities, including admission and employment. Direct inquiries regarding nondiscrimination policies to Equity Officer, 941-752-5599, 5840 26th St. W., Bradenton, FL 34206.

[Human Resources Equal Opportunity website](#)

Religious Observances

SCF shall attempt to reasonably accommodate the religious observance, practice, and belief of individual students in regard to admissions, class attendance, and the scheduling of examinations and work assignments. Students must provide the instructor with advance notification of the purpose and anticipated length of any absence. At that time, the instructor and the student will agree upon a reasonable time and method to make up any work or tests missed.

SCF Tutoring and Academic Success Center

The SCF Tutoring and Academic Success Center (TASC), formerly known as the ARC, is available to assist you as you progress through this course and throughout your time at SCF. They offer tutoring in math, science, writing, accounting, Spanish, and study skills among other topics. They also offer workshops in a variety of courses.

Free tutoring is available both online and in-person on the Bradenton and Venice campuses. In-person tutoring is drop-in and by appointment available for many subjects. All of the information about hours and accessing SCF tutoring assistance can be found on their website:

www.SCF.edu/TASC .

For additional questions, please contact the Tutoring and Academic Success Center manager, Dr. Rene Massengale, at 941-752-5660 or by email at Massena@SCF.edu.

Tentative Course Calendar

See Assignments Section.

Assignments

Due Date	Assignment Name	Points
	Environment Setup Discussion	0
1/12/25	Introduction Post	10
1/19/25	Chapter 1 Quiz	10
1/26/25	Debugging Discussion Post	10
1/26/25	Programming Exercise 1	10
2/2/25	Chapter 2 Quiz	10
2/2/25	Debugging Exercise	10
2/9/25	Chapter 3 Quiz	10
2/9/25	Programming Exercise 2	10
2/16/25	Chapter 4 Quiz	10
2/16/25	Programming Exercise 3	10
2/23/25	Chapter 6 Quiz	10
2/23/25	Programming Exercise 4	10
3/2/25	Chapter 7 Quiz	5
3/2/25	Programming Exercise 6	10
3/9/25	Programming Exercise 7	10
3/16/25	Chapter 8 Quiz	10
3/23/25	Chapter 9 Quiz	10
3/23/25	Programming Exercise CSV	10
3/30/25	Programming Exercise 9	10

Due Date	Assignment Name	Points
4/6/25	Chapter 11 Quiz	10
4/13/25	Chapter 12 Quiz	10
4/13/25	Programming Exercise 11	10
4/20/25	Programming Exercise 12	10
4/27/25	Programming Exercise 13	10
4/29/25	Final Exam	35