# Syllabus Fall 2022

## CSCE 204: Program Design and Development

## Course Details

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| Course: | CSCE 204 |
| Credits: | 3 |
| Times: | |
| Section 1: | 11:40am – 12:55pm TR (1D15 Swearingen) |

## Contact Information


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| Instructor: | Portia Plante |
| Email: | pplante@cse.sc.edu |
| Office: | 2275 Storey Innovation Center, & Online |
| Office Hours: | MW: 10:00am – 11:30am<br>TR: 10:15am – 11:15am<br>On demand through zoom or MS Teams (pplante@csesc.edu)<br>Email to schedule a meeting |


## Contact Information - TAs


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| TA Name: | Austin Cappuccio |
| Email: | cappuca@email.sc.edu |


## Academic Bulletin Description

Fundamental algorithms and processes used in business information systems. Development and representation of programming logic. Introduction to implementation using a high-level programming language.

## Course Description

This course covers programming language essentials using the Python language. Topics include an introduction to programming using logic and design techniques. Students gain experience using basic coding skills, control statements, functions and modules, learn how to test and debug a program, and how to work with lists and tuples. Students will also see how to use Python in real world applications.

## Prerequisites

CSCE 101 or MGSC 290 or ITEC 264

## Learning Outcomes

1. Create a simple Python program
2. Work with numbers, strings, dates and times
3. Code control statements, lists and tuples
4. Define functions and modules
5. Test and debug a Python program
6. Implement file I/O
7. Handle exceptions
8. Describe how real world Python applications work

## Recommended Textbooks

Murach's Python Programming
Author: Michael Urban and Joel Murach
Publisher: Mike Murach & Associates, Inc.
ISBN: 978-1-890774-97-4
All readings/materials comply with copyright/fair use policies.

## Technology Requirements

- A reliable Internet connection
- A speaker, microphone and webcam for effective online meetings
- IDLE (Instructions for downloading and using will be provided)
- Visual Studio Code (Instructions for downloading and using will be provided)

## Technical Skills Required

Students must have access to the Internet to view/hear lectures. Students will submit all assignments and take all quizzes/tests through Dropbox. You MUST have consistent and reliable access to a computer and the Internet to succeed. You need to feel comfortable using a computer to succeed in this course.
Minimal technical skills include the ability to:

- Use e-mail, including how to attach files to an e-mail message and how to check e-mail daily;
- Upload and download documents and files;
- Both compress (Zip) and decompress (unzip) program files;
- Install software on your computer and troubleshoot problems with software installation;
- Teach yourself to use new software by referring to help files, documentation, and online help;
- Copy and paste text from one program to another;
- Use a web browser, including how to locate information online and how to troubleshoot browser problems

## Course Delivery

This course will be delivered in-person.

**Course Materials:** All course materials can be found on dropbox.cse.sc.edu. This includes, videos, assignments, and tests. This course will not be using Blackboard. You can sign into dropbox with your traditional uofsc account.

**Student-to-Instructor (S2I) Interaction**:
*In-person students* will interact with the instructor during in-class discussions.

**Students-to-Student (S2S) Interaction:**
*In-person students* will interact during in-class discussions.

**Student-to-Content (S2C) Interaction:** Students will engage with course content by completing programming assignments, and in-class exercises.

## Topical Outline

- Introduction to Python
- Variables and Data Types
- Boolean expressions and Conditional Expressions
- Iteration
- Functions and Arguments
- Testing and Debugging
- Lists and Tuples
- File I/O
- Exception Handling

## Deliverables:

**Assignments**
You will have one or two coding assignments each week. Each assignment may consist of multiple parts.

**In Class Exercises**
Each day in class we will go through coding exercises. You are required to submit these exercises for grading. This shows that you are following along with the class. These exercises must compile and run as expected.

**Midterm Project**
This is a larger project which will incorporate the lessons learned to this point, and will contain some creativity. You will create a video presentation for your midterm project.

**Final Project**
This is a larger project which will incorporate the lessons learned to this point, and will contain some creativity.  You will create a video presentation for your final project.

## Tests
There will be no tests in this course.

## Grading Policy

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| Assignments: | 55% |
| Exercises: | 15% |
| Midterm Project: | 15% |
| Final Project: | 15% |

The grade is calculated using the standard curve:

| Final Grade Range | Reported Grade |
|---|---|
| 90-100% | A |
| 87 – 89.99% | B+ |
| 80 – 86.99% | B |
| 77 – 79.99% | C+ |
| 70-76.99% | C |
| 67 – 69.99% | D+ |
| 60-66.99% | D |
| <60% | F |

## Grade Discussion
Questions about any grades in this class must be addressed within 1 week of work being returned.

## Late Work
Homework assignments are due at the time listed on Dropbox.  A 25% deduction per day late will be applied to assignments.  Submitting all assignments is a necessary condition for passing this class.

## Attendance Policy
Attending in-person will not be formally checked.

## Turnaround Time
Instructor will reply to all feedback in a reasonable amount of time, and the same expectations are made for students.  Expectations are listed below.
**Communication:** Responses to email communication and questions will be given within 24 hours
**Assignment Grading**: Grades for assignments will be returned within 72 hours of due date.

## Syllabus Change Policy
This syllabus is a guide and every attempt is made to provide an accurate overview of the course. However, circumstances and events may make it necessary for the instructor to modify the syllabus during the semester and may depend, in part, on the progress, needs, and experiences of the students. Changes to the syllabus will be made with advance notice.

## Policies and Procedures
This section contains some general rules that will be enforced during this course. Please review these guidelines carefully. The course is governed by the policies and procedures of the university (http://www.sc.edu/policies/ppm/staf625.pdf ). Violations of this code can result in actions varying from a failing grade to expulsion from the university.

## Academic Integrity
University policies and procedures regarding academic integrity are defined in in policy STAF 6.25, Academic Responsibility - The Honor Code (see http://www.sc.edu/policies/ppm/staf625.pdf).  Prohibited behaviors include plagiarism, cheating, falsification, and complicity.  All potential Honor Code violations will be reported to the Office of Academic Integrity, which has the authority to implement non-academic penalties as described in STAF 6.25. Academic penalties for Honor Code violations in this course range from a zero on the assignment to failure of the course.

## CSCE 204 Academic Integrity
Examples of Academic Integrity violations in CSCE 204 include:
- Copying another students programs or files
- Copying a program or file from the Internet
You may reference an existing program from the Internet with proper citation, assuming you do not simply copy it.
You will be required to sign an honor code statement when submitting assignments and exams.

## Accommodating Disabilities

Reasonable accommodations are available for students with a documented disability. If you have a disability and may need accommodations to fully participate in this class, contact the Student Disability Resource Center:  803-777-6142, TDD 803-777-6744, email sadrc@mailbox.sc.edu, or stop by LeConte College Room 112A. All accommodations must be approved through the Student Disability Resource Center.  See https://www.sa.sc.edu/sds/.