

# **CSC 2134 Programming I with C++**

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## **Course Information**

Term:	Summer 2022
Course Number:	CSC 2134
Course Title:	Programming with C++ I
Description:	An introduction to problem-solving methods, algorithm development, designing, debugging, and documentation in C++ language with a variety of applications including I/O statements, operators, conditional, looping, methods/functions, and array processing.
Delivery:	Canvas Learning Management System

## **Instructor Information**

Instructor Name:	Colter Cotten
Office Location:	Bryan Science Building Room 152
Office Phone:	(601) 276-3887
Email:	colter.cotten@smcc.edu
Credentials:	Associate of Arts Associate of Science, Computer Information Systems Technology Bachelor of Science, Management Information Systems Master of Science, Computer Science: SE Specialization

## **Contacting the Instructor**

Students must contact the instructor using the [Canvas Inbox](#). Messages sent via email may go unanswered for quite some time, so they should not be utilized. The instructor will be out of the office and working remotely until sometime in August, so phone calls and voicemail should not be utilized since they could also not be discovered for a while.

The instructor is only liable for [Canvas Inbox](#) messages. The instructor is NOT liable for email messages, phone calls, or voicemail messages. Messages received over the weekend may not be answered until the following Monday.

## Course Materials

The following materials are required for this course:

- Internet Access - Since this is an online course, you will need a reliable and consistent Internet connection.
- Cengage Unlimited - Access to Cengage Unlimited is included with the course.
- Desktop or Laptop computer - You will need a Windows or Macintosh desktop or laptop computer to complete your assignments in this course. Chromebooks, tablet computers, etc. will not suffice. You are responsible for all maintenance and troubleshooting of your computer. If your computer is running the Windows operating system, it must meet the minimum system requirements for Visual Studio Community 2022. If your computer is running the macOS operating system, it must meet the minimum system requirements for XCode 13.3.
  - o [Visual Studio Community 2022 System Requirements](#)
  - o [XCode 13.3 System Requirements](#)

## Course Objectives

The following will be covered in this course:

- Demonstrate the use of variables and constants of different data types; manipulate and reference these variables and constants.
- Demonstrate sequential programs.
- Demonstrate how to control the flow of a program through selection (if and switch statements) and iteration (for, while, and do-while loops) programming.
- Demonstrate how to modularize programs with the use of functions (value and non-value returning), with or without a parameter list (with 1 or more arguments).
- Demonstrate the use, manipulation, and processing of data in arrays.
- Manipulate input/output using both standard device and text files in program creation and execution.

## Coursework

This course will require you to complete coursework on a weekly basis. All coursework is to be completed individually unless otherwise noted. This is an accelerated course, so it is imperative that you work on this course several times per week (everyday if possible).

## **Coursework will include:**

- Reading Assignments
- Video Assignments
- Quizzes
- Labs
- Projects
- Comprehensive Final Exam (Proctored)

Canvas will be the central information resource for this course. All instructions are posted in Canvas. Instructions will be posted each week telling you what to do for that week.

## **Due Dates**

Weeks in this course begin on Monday (except Week 1) and end on Sunday (except Week 8). Reading Assignments, Video Assignments, and Quizzes will be posted at the beginning of the week. They will be due by the end of the week. Labs and Projects will be posted on Thursday and due by the following Thursday.

All of your coursework will have the due date listed on the assignment. Students are expected to complete and submit coursework by the due date assigned. Students should be working on coursework throughout the week in order to meet these due dates. This is a challenging course, and your workload each week will probably be more than you are used to in other courses. It is highly recommended that you start on the coursework when it is assigned and work on it every day. Do not wait until the last minute! Waiting until the last minute is setting yourself up for failure.

## **Extensions**

Most labs and projects will have a four-day grace period after their due date. However, all questions regarding these assignments must be asked by the due date. The four-day grace period is extended as a courtesy and questions regarding these assignments will not be answered after the due date unless there is a grading error.

Extensions beyond the grace period **MAY** be given in four circumstances at the discretion of the Instructor:

- Hospitalization of the student
- Death in the student's immediate family
- Participation in a school-sponsored activity
- An extenuating circumstance that arises where an extension is deemed appropriate by the Instructor and SMCC Administration.

Before an extension can be considered, the student must contact the Instructor asking for an extension. The student will be required to provide official documentation and a typed narrative explaining why the extension is needed. Once this is received, the Instructor will consider the request and make a decision. The Instructor reserves the right to deny extensions for any reason. Extensions will be given sparingly.

The labs and projects assigned after Week 6 will not have a grace period and cannot be extended. This is because the course ends on 7/22/2022. Therefore, everything must be received by 7/21/2022 at 11:59 PM to ensure enough time to finalize grades.

## Grading

### Grades

All grades will be posted in the Canvas Gradebook. This gradebook will be the only accurate gradebook in this course. Grades shown in any other software we use may not be accurate. Students should rely on the Canvas Gradebook only for information regarding grades and ignore grades in any other software we use.

### Final Grade

The following table shows how each assignment group will affect your final grade:

Assignment Group	Percentage
Quizzes	10%
Labs	25%
Projects	40%
Comprehensive Final Exam (Proctored)	25%

Students must make a significant effort to successfully complete all coursework. **Failure to complete at least 70% of the assignments in each assignment group will result in an automatic failure of the course, regardless of the student's final grade.**

### Grading Scale

Range	Letter Grade
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

## **Academic Integrity**

Students are expected to demonstrate a strong sense of academic integrity throughout this course.

Students are expected to avoid cheating of any kind. Cheating includes, but is not be limited to the following:

- Using instructional materials or other resources on a quiz, test, or exam (unless approved by the instructor)
- Copying code from another student
- Sharing code with another student
- Searching for or viewing the solution to an assignment online
- Copying code from an online resource
- Submitting code not written by the student (unless approved by the Instructor)
- Doing another student's work for them
- Having someone else complete your coursework
- Assisting another student beyond discussing material on a conceptual level
- Using code generation tools
- Anything else that would be considered cheating by the Computer Science Department, Math & Science Division, or Administration at Southwest Mississippi Community College.

The consequences for cheating in this course are as follows:

- First offense: The student will receive a zero on any assignments open at the time the incident occurs and a referral to the appropriate college officials for disciplinary action.
- Second Offense: Immediate removal from the course and a referral to the appropriate college officials for disciplinary action.

## **Attendance**

Instructors are required to report attendance in online courses on a weekly basis. Students must actively participate in the course each week to be counted present for the week. This means that the student must at least significantly attempt coursework each week. Simply logging into the course each week will not suffice. The Instructor must see significant progress each week in order count the student present. Otherwise, the student will be counted absent.

Students are only allowed one absence in this course. Students will be subject to removal from the course beginning with the second absence. Students should always communicate with the Instructor regarding absences.

## **Disability Support Services Information**

Each student who wishes to be served by Disability Support Services must:

- self-identify by contacting the Disability Support Services Office in a timely manner to request accommodations for the current semester
- complete the DSS application
- provide documentation of the disability or disabilities
- request accommodations each semester
- It is recommended that you request accommodations prior to the beginning of the semester to ensure that you receive your accommodations in a timely manner, as some accommodations such as interpreters, special books, or equipment take more time to secure.

SMCC administrators and faculty cannot approve or provide accommodations without this letter.

Disability Support Services is a non-fee generating program designed to meet the unique needs of SMCC students with disabilities. Reasonable accommodations are offered in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA). You can download the DSS forms and find more information at [www.smcc.edu/index.php/dss](http://www.smcc.edu/index.php/dss).

Mrs. Rhonda Gibson is our Director of Disability Support Services and her office is located in room 129, located on the first floor of Kenna Hall in Student Services. To make an appointment with Mrs. Gibson, please call 601-276-3885 or email [rgibson@smcc.edu](mailto:rgibson@smcc.edu).

## **Non-discrimination Statement**

Southwest Mississippi Community College does not discriminate on the basis of race, color, national origin, age, sex, religion, or disability in its programs, activities or employment practices. The following persons have been designated to handle inquiries and grievances regarding the non-discrimination policies: Mrs. Rhonda Gibson, Director of Disability Support Services, 601-276-3885; Mr. Blake Brewer, Vice President for Student Affairs and Title IX Coordinator, 601-276-3717; SMCC, 1156 College Drive, Summit, MS 39666.

## **Syllabus Agreement**

By enrolling in this course, you agree to be bound by the contents of or any changes made to this syllabus as long as you are enrolled in the course. The Instructor reserves the right to make reasonable modifications to this syllabus at any time throughout the course.

## Course Calendar (Subject to Change)

Week	Start Date	End Date	Topic	Content
1	05/31/2022	06/05/2022	Syllabus Chapter 1	Syllabus Reading Assignment(s) Video Assignment(s) Chapter 1 Quiz Lab 01 Project 01
2	06/06/2022	06/12/2022	Chapter 2	Reading Assignment(s) Video Assignment(s) Chapter 2 Quiz Lab 02 Project 02
3	06/13/2022	06/19/2022	Chapter 3	Reading Assignment(s) Video Assignment(s) Chapter 3 Quiz Lab 03 Project 03
4	06/20/2022	06/26/2022	Chapter 4	Reading Assignment(s) Video Assignment(s) Chapter 4 Quiz Lab 04 Project 04
5	06/27/2021	07/03/2021	Chapter 5	Reading Assignment(s) Video Assignment(s) Chapter 5 Quiz Lab 05 Project 05
6	07/04/2021	07/10/2021	Chapter 6	Reading Assignment(s) Video Assignment(s) Chapter 6 Quiz Lab 06 Project 06
7	07/11/2021	07/17/2021	Chapter 7* Chapter 8	Reading Assignment(s) Video Assignment(s) Chapter 7 & 8 Quiz Lab 07 Project 07
8	07/18/2021	07/22/2021	Final Exam Week	Final Exam

\* string Type section only

**Note: Due dates will vary during each week.**