

Orientation

CSC 111–Computer Programming



Course Credit hours



CSC 111: Computer Programming I

Credit Hours: 4 Units

Weekly Schedule

- **Lecture:** 3 hours
- **Lab:** 2 hours
- **Tutorial:** 1 hour

Attending Lecture, tutorial, and lab is mandatory

Using the LMS

Accessing Course Materials

- All course materials, including lecture slides, lab sheets, and tutorial sheets, will be uploaded on the LMS.
- Students are encouraged to check the LMS daily for announcements and updates.

Familiarization with the System

- If you have not used the LMS before, it is important to log in and get acquainted with its features.
- Understanding how to navigate the LMS will enhance your learning experience and ensure you stay informed.

Course Start Dates



Week 1

Lectures
slides will be uploaded on
LMS.



Week 2

Labs and Tutorials
Tutorial and lab sheets are also
uploaded on LMS.

Course Objectives

By the end of the course, students will be able to:

- Design step-by-step solutions using algorithms, pseudocode, and flowcharts before translating them into executable programs.
- Implement algorithmic solutions in Python, using appropriate control structures, data types, and built-in operators.
- Develop readable, well-structured, and documented programs, following Python naming conventions and best coding practices.
- Employ functions to achieve modularity and code reuse, including the use of parameters, return values, default arguments, and variable-length arguments.
- Apply Python's core data structures (lists, tuples, sets, dictionaries, and arrays) to organize and manipulate data effectively.
- Use abstraction mechanisms, such as functions and simple classes, to manage program complexity.

Course Content

- Introduction to Programming and Problem Solving
- Flowcharts and Algorithm Design
- Decision and Control
- Loop Structures
- Introduction to Computer Programs
- Variables and Data Types
- Flowcharts to Python: Translation of Control Structures
- Functions
- Data Structures
- Recursion
- Introduction to OOP

Grade Distribution

Assessment task	Due Date	Total Assessment Score (%)
Midterm Exam 1	Week 8	15
Midterm Exam 2	Week 11	15
Lab Final Exam	Week 13	15
Final Exam	21 December 2026 (8:00-11:00)	40
Lab Evaluation	Weekly	5
Homework	Week7 & Week10	5
Project	TBA	5

Lab Evaluation

Lab Evaluation

Evaluation Components: exercises will be included to assess understanding and application of lab application of lab concepts.

Performance Assessment: Students will be evaluated based on their ability to complete lab assignments and demonstrate proficiency in programming tasks.

Tutorials

Tutorials

Purpose and Structure: Tutorials are an integral part of the CSC 111 course, designed to reinforce learning and provide hands-on experience with programming concepts.

Content and Exercises: Each tutorial includes specific content and exercises that align with the course objectives, allowing students to apply their knowledge in practical scenarios.

Course Regulations

Attendance

Attendance in lectures, tutorials, and labs is mandatory. Students whose absence exceeds 25% may be denied entry to the final exam. Absence excuses must be submitted within one week.

Submission and Deadlines

All coursework must be prepared using appropriate software and submitted through the required channel by the stated deadline. Handwritten and late submissions are not accepted unless explicitly approved by the instructor.

Plagiarism and AI Use

Plagiarism, unauthorized use of AI tools, or submitting work that is not the student's own is strictly prohibited and will incur severe penalties. This includes the use of ChatGPT, Copilot, Gemini, Claude, or similar tools for assignments, projects, quizzes, or examinations.

Email Communication Guidelines

Email Format

All emails must begin with CSC111 followed by your section.

Recipient Information

Emails should be sent to the instructor's designated email address:

yourInstructor@KSU.edu.sa

Identification Requirements

Include your name and student ID at the end of the email for proper identification.