Al Imam Mohammad ibn Saud Islamic University
College of Computer and Information Sciences

CCIS

Computer Science Department

Course Syllabus
CS140 - Computer Programming-I

Catalog Description:	The course introduces students to structured programming techniques. Topics include different control statements (sequence, selection, and repetition), functions, fundamental data types, and data structures (arrays and pointers). Upon successful completion of the course, students will solve computer problems by using structured programming techniques and adequate tools (text editor, compiler, and debugger).

Credit Hours: **4 Credit hours:**   **3** Lectures per week   **2** Labs. per week   **0** Recitation per week

Prerequisites: None
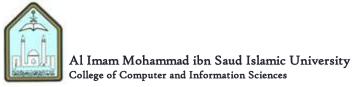
Course Learning Outcomes:
- Edit, compile, and execute computer programs.
- Trace computer programs.
- Debug computer programs.
- Write readable programs using coding conventions such as comments, indentation, and naming.
- Solve problems by using structured programming techniques: sequence, selection, and repetition.
- Solve problems by writing and using functions.
- Solve problems by using appropriate fundamental data types and data structures (arrays and pointers).

Major Topics:
- Introduction to Computers and Programming
- Introduction to C++ Programming
- Control Statements
- Functions and an Introduction to Recursion
- Arrays
- Pointers

Text Books: C++ How To Program, Late Objects Version, Paul Deitel and Harvey Deitel, 7th edition, Pearson, 2011, ISBN-13: 978-0-13-248458-9, ISBN-10: 0-13-248458-7.

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Grading:	◉ The grading scale for this course is:

. 95 - 100   A+   Passing
. 90 - 94   A   Passing
. 85 - 89   B+   Passing
. 80 - 84   B   Passing
. 75 - 79   C+   Passing
. 70 - 74   C   Passing
. 65 - 69   D+   Passing
. 60 - 64   D   Passing
. 0   - 59   F   Failing

◉ Final grades will be determined based on the following components:
. 60% Semester Work
. 40% Final Exam

◉ Students may not do any additional work for extra credit nor resubmit any graded activity to raise a final grade.

◉ Late submissions will not be accepted for any graded activity for any reason.

◉ Studentshave one week to request the re-grading of any semester work.
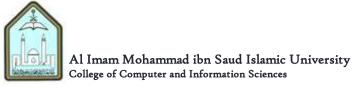
Attendance Policy: Students should attend 80% of the overall course hours taught in the semester as per the University regulations.

If a student fails to achieve this portion, he/she shall not be allowed to appear in the final exam and shall be awarded "DN" grade and repeat the course.

Cheating and Plagiarism Policy: The instructor will use several manual and automated means to detect cheating and/or plagiarism in any work submitted by students for this course.

When a student is suspected of cheating or plagiarism, the instructor raises the issue to the disciplinary committee.

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Communications: Registered students will be given access to a section of the Blackboard Learning System for this course. Bb will used as the primary mechanism to disseminate course information, including announcements, lecture slides, assignments, and grades.

Communication with the instructor on issues relating to the individual student should be conducted using CIS email, via telephone, or in person.