



Course Specification

(Bachelor)

Course Title: **Computer Applications**

Course Code: **102CSMS-3**

Program: **Bachelors - Business Administration**

Department: **Department of Business Administration**

College: **College of Business, College of Science, College of Shariah and Fundamentals of Religion, College of Humanities, College of Education**

Institution: **King Khalid University, Abha.**

Version: **2024**

Last Revision Date: **-25/5/1445 الموافق 27/11/2024**

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A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A. ☐ University ☒ College ☐ Department ☐ Track ☐ Others
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (1)

4. Course General Description:

Develop basic programming and computing skills to solve different mathematical, statistical, and general programming problems using programming tool visual C++.

5. Pre-requirements for this course (if any):

101 CSM-3

6. Co-requisites for this course (if any):

N/A

7. Course Main Objective(s):

This course will develop basic programming and computing skills to solve different mathematical, statistical, and general programming problems using programming tool visual C++. During this course, the student will develop any simple software project like student information system, calculator, Library Management System etc. using the high-level computer language C++. It will help the students to learn other computer languages such as JAVA, Java Script, PHP and other Scripting Languages also.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom		
2	E-learning	60	100
3	Hybrid - Traditional classroom - E-learning		





No	Mode of Instruction	Contact Hours	Percentage
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Design algorithms to solve simple problems and understand general problem-solving strategies.		Lecture through LMS	Quizzes, Assignments and Exams
1.2	Understand how computer programming may be used to solve problems definition by example of C++ language.		Lecture through LMS	Quizzes, Assignments and Exams
1.3	Understand various programming concepts such as control structures, methods, arrays, arguments, parameters etc.,		Lecture through LMS	Quizzes, Assignments and Exams





Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
2.0	Skills			
2.1	Write simple programs in C++ language by using basic control structures (conditional statements, loops, switches, etc.).		Lecture through LMS	Quizzes, Assignments
2.2	Develop computer programs on C++ to express and implement algorithms to solve problems.		Lab	Lab Assessments
2.3				
3.0	Values, autonomy, and responsibility			
3.1				
3.2				
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Orientation, Training	6
2.	Programming Language, algorithm and flowchart	4
3.	Introduction to C++	6
4.	Selection Statements (if and switch)	4
5.	Repetition Statements (for, while, do-While)	6
6.	Arrays	4
Total		30



D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes (4)	weekly	20%
2.	Mid E-Exam	W10	30%
3.	Practical assessments	W9 & W16	10%
4.	Final E-Examination	W17	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Teach yourself C++ by Jesse Liberty
Supportive References	C++ How to Program Deitel & Deitel Programming with C++ by Aikman Series Electronic Materials
Electronic Materials	KING KHALID UNIVERSITY is providing online electronic learning and assessment software for the students and faculties. Students are provided time to time the names of Websites, such as en.wikipedia.org, www.thefreedictionary.com, search engines, etc .for their respective subject material
Other Learning Materials	Online tutorial. The course will contain practical works for some programming tools using Visual C++. , online C++ compilers and CDs of the software are provided for students for their home PCs

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Visual C++. , online C++ compilers
Technology equipment (projector, smart board, software)	Access to the internet. Active accounts for Office for all KKU students
Other equipment (depending on the nature of the specialty)	



F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students & faculty	A periodical questionnaire is to be given to the students for giving their feedback about a faculty and subject.
Effectiveness of Students assessment	Faculty	Preparation of course report. Revision of course specification, based on previous semester course report
Quality of learning resources		
The extent to which CLOs have been achieved		
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	DEPARTMENT OF BUSINESS ADMINISTRATION
REFERENCE NO.	7
DATE	-25/5/1445 الموافق 27/11/2024

