Republic of Iraq
The Ministry of Higher Education
& Scientific Research
2024-2023

وزارة التعليم العالي
والبحث العلمي
Ministry of Higher Education & Scientific Research

Flow up of implementation syllabus

University: Thi - Qar
College: Pure science
Department:
Stage:
Lecturer name:
Academic Status:
Qualification:
Place of work:

Course Instructor	Shaymaa kaseb
E_mail	Shaymaa-kaseb@utq.edu.iq
Title	Programming
Course Coordinator	
Course Objective	−Getting to know the beginning of programming correctly, independent of the specificity of the programming language, with an emphasis on practical practice - Teaching the basics of programming, an algorithm for solving a problem, and transferring it to a program in one of the structured procedural programming languages, and C++ was adopted.
Course Description	
Textbook	−Stanley B. Lippman, Josée Lajoie, and Barbara E. Moo, " C++ Primer", fourth edition ، 2005. Juan Soulié, "C++ Language Tutorial", 2008-

Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	30	15	5	-	50

General Notes	

Course weekly Outline

week	Date		Lab. Experiment Assignments	Notes
1	05/11/2023	Problem define , (analyse , design solving) ,define compiler and introduction to its work		
2	12/11/2023	Algorithm (history ,define , benfit)		
3	19/11/2023	**Flowchart (define ,benefit) ,explain tools used to solve problems**		
4	26/11/2023	**Examples in algorithms and flowcharts with series design**		
5	03/12/2023	**Examples in algorithms and flowcharts with condition design**		
6	10/12/2023	**Examples in algorithms and flowcharts with repeat design**		
7	17/12/2023	**Introduction to programming languages and explain its types,introduction to c++ (history , explain editor and compiler)**		
8	24/1/2023	**Define data types and examples in serial programs**		
9	31/1/2023	**Examples in Conditional programs (if condition)**		
10	7/1/2024	**Examples in Conditional programs (switch case)**		
11	14/1/2024	**More examples**		
12	21/1/2024	**Examples in looped programs (for instruction)**		
13	28/1/2024	**Examples in looped programs (do while ,while)**		

Half-year Break

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14	11/2/2024	Exam		
15	18/2/2024	Exam		
16	25/2/2024	Matrix(define ,types,syntax) to one dimension		
17	03/3/2024	Matrix(define ,types,syntax) to two dimension		
18	10/3/2024	Global and local variables (define, uses, differences) with examples		
19	17/3/2024	Functions (define , types) define built in function with example		
20	24/3/2024	More instruction to built in functions with examples		
21	31/3/2024	User define examples (define its 4 type)with syntax		
22	07/4/2024	Examples in function		
23	14/4/2024	Files (define , types) syntax to each type, program to create file and close		
24	21/4/2024	Programs to write and read on afile		
25	28/4/2024	Programs to read from file		
26	5/5/2024	Programs to update information on a file		
27	12/5/2024	Exam		
28	19/5/2024	Exam		
29	26/5/2024	Exam		
30	2/6/2024	Exam		

تؤيد اللجنة العلمية مطابقة الخطة التدريسية لمفردات منهج المادة الدراسية

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Instructor Signature(Lab.)   **Instructor Signature(Theoretical)**

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1st Scientific committee member   **2nd Scientific committee member**   **3rd Scientific committee member**

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Head of Scientific committee   **Dean**