Republic of Iraq
The Ministry of Higher Education and Scintific Resrearch
Supervision and Scientific Evaluation Body

College : Shatt Al Arab University College
Department : Computer Engineering Technology
Stage: first stage
Lecturer Name : Hassan Almazini
Academic Status : Assistant Lecturer

Course Weekly Outline

Course Lecturer	**Assistant Lecturer: Hassan Fouad Abbas Almazini**			
e-mail	**hassan.f.abbas@sa-uc.edu.iq**			
Title	**Computer Programming**			
Course Coordinator	**Computer Engineering Technology**			
Course Objective	**Understanding computers and learning the basics of coding helps students to develop an appreciation of how things work. It also teaches them how programmers use math, and programming skills to solve problems in a logical and creative way.**			
Course Description	**Think logically, computationally, and creatively to solve problems. Identify and analyze a problem, design a solution algorithm as a systematic way of processing the necessary information to produce the required output, and implement the solution as a computer program.**			
Textbook	**Code::Blocks**			
References	**1-Introduction to C++** **2-Beginning C++ Programing.** **3-The C++ programing language.** **4-Solved Programming in C++.** **5-C++: The Complete Reference.**			
Course Assessment	**Term Exam**	**Project**	**Quizzes and Attendance**	**Final Exam**
	10	**5**	**5**	**60**
General Notes	**1- https://www.tutorialspoint.com/cplusplus/cpp_data_types.htm** **2-https://www.w3schools.com/CPP/default.asp**			

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College : Shatt Al Arab University College
Department : Business Adminstration
Stage:
Lecturrer Name:
Academic Status:
Qualification:

Week	Date	Topics Covered	Number of Hours	Notes
1	**1/11/2023**	Algorithms	**3**	
2	**8/11/2023**	Flowcharts	**3**	
3	**15/11/2023**	Variable Types, Data Types, Variable Scope	**3**	
4	**22/11/2023**	Variable Declaration, Variable initialization, expression and basic input and output variable initialization	**3**	
5	**29/11/2023**	Operators, Arithmetic Operators, Relational Operators	**3**	
6	**6/12/2023**	Logical Operators, Increments and Decrements	**3**	
7	**13/12/2023**	Decision making (if... Statement, if...else statement)	**3**	
8	**20/12/2023**	Decision making (nested if statements)	**3**	
9	**27/12/2023**	Decision making (switch statement)	**3**	
10	**3/01/2023**	Loop Types (while loop, for loop)	**3**	
11	**10/01/2023**	Loop Types (do...while loop)	**3**	
12	**17/01/2023**	Loop Types (nested loops)	**3**	
13	**24/01/2023**	Loop Control (break, continue, and goto)	**3**	
14	**31/01/2023**	Functions (Return Type, Function Name, Parameters, and Function Body)	**3**	
15	**7/02/2022**	Functions (Function Declarations, Calling a	**3**	

		Function)		
16	**14/02/2023**	Functions examples	**3**	
17	**21/02/2023**	Arrays (Single-dimensional Arrays, Declaring Arrays, Initializing Arrays, Accessing Array Elements)	**3**	
18	**28/02/2023**	Arrays (Multi-dimensional Arrays)	**3**	
19	**7/03/2023**	Arrays Examples	**3**	
20	**14/03/2023**	Arrays Examples	**3**	
21	**21/3/2023**	The C-Style Character String	**3**	
22	**28/3/2023**	Pointers (What are Pointers, Using Pointers in C++, Null Pointers)	**3**	
23	**4/4/2023**	Pointers (Pointer Arithmetic, Pointers vs Arrays, Array of Pointers)	**3**	
24	**11/4/2023**	Pointers (Pointer to Pointer, Passing Pointers to Functions, Return Pointer from Functions)	**3**	
25	**18/04/2023**	Pointers Examples	**3**	
26	**25/04/2023**	Pointers Examples	**3**	
27	**2/05/2023**	References (References vs Pointers, Creating References in C++)	**3**	
28	**9/05/2023**	References (References as Parameters, Reference as Return Value)	**3**	
29	**16/05/2023**	References Examples	**3**	
30	**23/05/2023**	References Examples	**3**	

Lecturer signature **Head of Department Signature**