



Course Weekly Outline

Course Name: C++ programming I

Course Instructor						
E-mail						
Title						
Course Coordinator						
Course Objective	Represent the problem in algorithms and Flow charts then solve it in C++.					
Course Description	<div>1. Learn the basic steps involved in entering, compiling, and executing and debugging a program.</div> <div>2. Apply structured programming control concepts of sequence, selection and repetition in the C++ language.</div> <div>3. Effectively use scalar data types float, int, and char.</div> <div>4. Manipulate elementary arrays.</div> <div>5. Design and effectively use functions and parameters.</div> <div>6. Create Files.</div>					
Textbook	Lectures					
References	The Complete Reference Borland C++, By Herbert Schildt, Mc_GrawHill					
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam	
	30%	15%	5%	-	50%	
General Notes						



Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	First week	Introduction to Programming Language	Explain Menu, Getting Started with C++.	/
2	Second week	Algorithms and Flow Charts & Variables Declaration	Variables Declaration	/
3	Third week	Problem Solving Using C++: identifiers, data types, variables, output	Input, Output Statements	/
4	Fourth week	More Basics: arithmetic expressions, input, formatted output, library, const	Input, Output Statements	/
5	Fifth week	Variables ,Constants, Arithmetic Operations The “math.h” Library Increment /decrement Operators.	Mathematical function	/
6	Sixth week	Increment /decrement Operators	Mathematical function	/
7	Seventh week	Operational Assignment Operators Relational Operators Logical Operators.	Assignment Operators Relational Operators Logical Operators	/
8	Eighth week	Selection Statements: The Single If Statement Structure. Nested If and If/else Statements Conditional Statement.	If Statements	/
9	Ninth week	Switch Selection Statement (Selector)	Switch Statements	/
10	Tenth week	While Repetition Structure.	While Statements	/
11	Eleventh week	Do/While Statement	Do/While Statements	/
12	Twelfth week	For Statement	For Statements	/
13	Thirteenth week	Break and continue statement	Break and continue statement	/
14	Fourteenth week	More about For Statement. Nested Loops.	For Statements	/
15	Fifteenth week	Function	Function	/

Instructor Signature:

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