



UNITED INTERNATIONAL UNIVERSITY
Department of Computer Science and Engineering (CSE)
Course Syllabus

1	Course Title	Structured Programming Language Laboratory									
2	Course Code	CSE 1112									
3	Trimester and Year	Fall, 2021									
4	Pre-requisites	None									
5	Credit Hours	1.00									
6	Section	D									
7	Class Hours	Tuesday: 02:00 PM – 04:30 PM									
8	Class Room	Computer Lab 9									
9	Instructor's Name	Sadia Islam									
9	Counseling Hours	<table border="1"><tr><td>Saturday</td><td>11:35 AM – 01:00 PM</td></tr><tr><td>Sunday</td><td>02:00 AM – 04:30 PM</td></tr><tr><td>Tuesday</td><td>11:35 AM – 01:00 PM,</td></tr><tr><td>Wednesday</td><td>02:00 AM – 04:30 PM</td></tr></table>	Saturday	11:35 AM – 01:00 PM	Sunday	02:00 AM – 04:30 PM	Tuesday	11:35 AM – 01:00 PM,	Wednesday	02:00 AM – 04:30 PM	
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10	Contact Info	Email: sadia@cse.uiu.ac.bd									
11	Office										
13	Text Book	1. Programming in ANSI C.(5th Edition or later) E. Balagurusamy 2. Teach Yourself C (3rd Edition or later) Herbert Schildt									
15	Course Contents (approved by UGC)	Laboratory works based on CSE 1111.									
16	Course Outcomes (COs)	<table border="1"><thead><tr><th>COs</th><th>Description</th></tr></thead><tbody><tr><td>CO1</td><td>Describe the Structured Programming Language Features.</td></tr><tr><td>CO2</td><td>Design, compile and execute software programs to solve basic to moderate problems using a popular IDE.</td></tr><tr><td>CO3</td><td>Implementation of modular programs using different data structures like array, structures.</td></tr></tbody></table>	COs	Description	CO1	Describe the Structured Programming Language Features.	CO2	Design, compile and execute software programs to solve basic to moderate problems using a popular IDE.	CO3	Implementation of modular programs using different data structures like array, structures.	
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17	Teaching Methods	Lecture, Laboratory exercise and reports.									
18	CO with Assessment Methods	<table border="1"><thead><tr><th>CO</th><th>Assessment Method</th><th>(%)</th></tr></thead><tbody><tr><td>-</td><td>Attendance</td><td>10%</td></tr><tr><td>CO1, CO2, CO3</td><td>Class Performance</td><td>70%</td></tr></tbody></table>	CO	Assessment Method	(%)	-	Attendance	10%	CO1, CO2, CO3	Class Performance	70%
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		CO1, C02, CO3	Assignments	20%	
19	Mapping of COs and Program outcomes				
20	Lab Outline				
Class	Topics/Assignments			COs	Lab Outcomes/Activities
Lab1	Review of C program structure on arithmetic expression evaluation, if-else statement, nested if-else			CO1, CO2	Lecture, Practice
Lab2	The for statement, Usage of break and continue, Introduce while statement			CO1, CO3	Lecture, Practice
Lab3	Declaration of 1-D array, Initialization of 1-D array, Simple programs related array			CO1, CO3	Lecture, Practice
Lab4	Exam on loop and 1-D array. Advanced problems related nested for loop.			CO1, CO3	Exam; Lecture, Practice
Lab5	Declaration of 2-D arrays, Initialization of 2-D arrays, Usage of 2-D arrays to solve different problems (i.e., matrices)			CO1, CO3	Lecture, Practice
Lab6	Exam on nested loop and 2-D array. Declaring and initializing string variables, Reading string from terminals, Writing string to the console, Arithmetic operators on characters, Concatenation of two strings, Comparison of two strings, Different string handling functions.			CO1, CO3	Exam; Lecture, Practice
MIDTERM WEEK					
Lab7	Exam on string. Emphasize the need for user-defined function, Definition of functions, Return values and their types, Arguments and their types, Function call, Function declaration, Function			CO1, CO3	Exam; Lecture, Practice

		that returns multiple values, Nesting of functions, The scope of variables			
	Lab8	Exam on function. Defining a structure, Declaring a structure, Accessing structure members, Structure initialization, Copying and comparing structure variables, Operations of individual members, Array of structure.	CO1, CO3	Exam; Lecture, Practice	
	Lab9	Exam on structure. Recursion.	CO1, CO3	Exam; Lecture, Practice	
	Lab10	Recursion .	CO1, CO3	Lecture, Practice	
	Lab11	Exam on recursion. Pointers and Introduction to File handling.	CO1, CO3	Exam; Lecture, Practice	
	Lab12	Exam on Pointers and Files.	CO1, CO3	Exam;	

Appendix 1: Assessment Methods

Assessment Types	Marks
Attendance	10%
Class Performance	70%
Assignments	20%

Appendix 2: Grading Policy

Letter Grade	Marks %	Grade Point	Letter Grade	Marks%	Grade Point
A (Plain)	90-100	4.00	C+ (Plus)	70-73	2.33
A- (Minus)	86-89	3.67	C (Plain)	66-69	2.00
B+ (Plus)	82-85	3.33	C- (Minus)	62-65	1.67
B (Plain)	78-81	3.00	D+ (Plus)	58-61	1.33
B- (Minus)	74-77	2.67	D (Plain)	55-57	1.00
			F (Fail)	<55	0.00

Appendix-3: Program outcomes

POs	Program Outcomes
PO1	An ability to apply knowledge of mathematics, science, and engineering
PO2	An ability to identify, formulate, and solve engineering problems
PO3	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability

PO4	An ability to design and conduct experiments, as well as to analyze and interpret data
PO5	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
PO6	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
PO7	A knowledge of contemporary issues
PO8	An understanding of professional and ethical responsibility
PO9	An ability to function on multidisciplinary teams
PO10	An ability to communicate effectively
PO11	Project Management and Finance
PO12	A recognition of the need for, and an ability to engage in life-long learning