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Department of Computer Science and Engineering

Course Title: Structured Programming Language Lab

Course Code: CSE 1214

Credits: 1.0

Prerequisites: N/A

Course Instructor: Ayesha Siddiqua

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Course Description: This course focuses on the syntax, semantics of structured programming while analyzing and designing various applications using different library functions. Also, it helps to develop basic programming and problem-solving skills to program design and development.

Objectives: To understand the basics of structured programming, keywords and syntax. To understand typical characteristics, mechanisms and solve problems using structured programming language. To develop basic programming skills with respect to program design and development.

Grading policy: Attendance: 10%
*Class Performance and class tests: 20%
Mid-Term: 30%
Final: 40%
*Class performance includes a series of class tests, assignments, and class performance.

Schedule	Content / Title	Preloaded Video by CT	Course material by CT	Live recording by IT	Teaching Strategy
Lecture 1	Introduction to CodeBlocks				
Lecture 2	Printf function (string print and string print with new line)				
Lecture 3	Comments in C				
Lecture 4	Data types & Variable initialization				
Lecture 5	Lab Test and Assignment				
Lecture 6	Format specifier				
Lecture 7	User input and output				
Lecture 8	Operator (Arithmetic operator, Unary operator, Assignment operator, Comparison operator, Logical operator, sizeof operator)				
Lecture 9	Operator (Arithmetic operator, Unary operator, Assignment operator, Comparison operator, Logical operator, sizeof operator)				
Lecture 10	Review Class and Assignment				
Lecture 11	Mid Term Exam				
Lecture 12	If/ else statement				



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Lecture 13	Break and continue statement, Switch case				
Lecture 14	For loop				
Lecture 15	For loop				
Lecture 16	Lab Test and Assignment				
Lecture 17	While loop				
Lecture 18	Do while loop				
Lecture 19	Array (Array initialization, Array print, Array element changing)				
Lecture 20	Array (Array initialization, Array print, Array element changing)				
Lecture 21	Review Class and Assignment				
Lecture 22	Final Exam				