CSE 1122 Structured and Object Oriented Programming Language Sessional
B.Sc. in Computer Science and Engineering, 1st year 2nd Semester
Credit: 1.5

Instructors:
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Grading policy:

Attendance	10%
Continuous Evaluation	15%
Report	10%
Mid Term	20% (Programming)
Viva	5%
Final	40% (Quiz + Programming)

Course Contents:

Lab/week	Topic
Lab 1	i) Major components of a C program
	ii) Typing and Executing a C Program in codeblocks IDE
	iii) Conditional Statements
	iv) Relational and Logical Operators
Lab 2	i) Loops (for loop, while loop and do-while loop)
	ii) Nested Loop
Lab 3	i) Arrays (one-dimensional, two-dimensional)
	ii) Strings
Lab 4	i) Multiple Function Program, global and Local variable
	ii) Introduction to Recursion and Recursive Function
Lab 5	i) Pointer, Function Call using reference (call by reference) / pointer
	ii) Structure, File and Pointer
Lab 6	i) Class Declarations, Definition, and Accessing Class Members.
	ii) Default constructor, parameterized constructor and copy constructors
Lab 7	i) Operator Overloading
	ii) Function Overloading
	iii) Friend Function and Friend Class
Lab 8	Mid Term
Lab 9	i) Single inheritance
	ii) Multiple inheritance
Lab 10	i) Multi-level inheritance
	ii) Hierarchical inheritance
Lab 11	Exception Handing
Lab 12	Template based program to implement Array ADT using a class.
Lab 13	Final