

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI

COURSE PLAN (June - November 2026)

Department : Mathematics
Name/s of the Faculty : Dr. P. Subbulakshmi (4 hours) & Dr. Rini Angeline Sahayamary (2 hours)
Course Title : Object Oriented Programming in C++ with Practical
Course Code : 25MC/ME/OC13
Shift : II

COURSE OUTCOMES (COs)

COs	Description						CL
CO1	recall and reproduce basic concepts of C++ programming						K1
CO2	understand the various basic concepts of Object-orientation						K2
CO3	apply object oriented concepts and library to find a solution for simple problem						K3
CO4	analyze and examine a suitable object oriented concept for the given problem						K4
CO5	build solution for a real world problem using the object oriented concepts, generics and libraries						K5
Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
Jun 22, 2026 (Day Order 6)	No class						
Jun 23 – July 1, 2026 (Day Order 1- 6)	1	Object Oriented Programming Concepts: 1.1 Complexity in software -The need for object orientation – Abstraction –	K1-K5	4	CO1-5	Lecture and Presentation	Questioning

[illegible]

July 25 – 28, 2026 (Day Order 1- 3)	2	Functions and Classes 2.2 Function Overloading: Overloading a function - Default arguments – Overloading Constructors	K1-K5	2	CO1-5	Lecture and Presentation	Questioning
July 29 – Aug 3, 2026	C.A. Test – I (Unit 1, Unit 2 (Section 2.1))						
Aug 4 - 6, 2026 (Day Order 4 - 6)	2	Functions and Classes 2.2 Function Overloading: Overloading a function - Default arguments – Overloading Constructors	K1-K5	2	CO1-5	Learning by Doing	Slip Test
Aug 7 – 14, 2026 (Day Order 1- 6)	2 3	Functions and Classes 2.2 Function Overloading: Overloading a function - Default arguments – Overloading Constructors Operators 3.1 Operator Overloading: Overloading an operator as a member function – Overloading an operator as a friend function	K1-K5	4	CO1-5	Lecture and Presentation Learning by Doing	Questioning
Aug 17 - 24, 2026 (Day Order 1- 6)	3	Operators 3.1 Operator Overloading: Overloading an operator as a member function – Overloading an operator as a friend function	K1-K5	4	CO1-5	Lecture and Presentation Learning by Doing	Slip Test
Aug 25 – Sep 2, 2026 (Day Order 1- 6)	3	Operators 3.2 Inheritance: Types of inheritance – protected access specifier –Virtual Base Class – Base class and derived	K1-K5	4	CO1-5	Lecture and Presentation Learning by Doing	Third Component Test II [Assignments] (Units 2 & 3)

