

Lesson Teaching Plan

Subject : Object Oriented Programming using C++ **Branch :** MCA

Semester : 2nd

Faculty Name : Sasmita Acharya

Module	Topic	No. of classes
1	1. History of C++ and features of C++	1
	2. Input and Output in C++ with examples	1
	3. Data types and operators in C++	2
	4. Overview of functions in C++, Inline functions	1
	5. Function overloading with example programs	1
	6. Types of function calls with examples	1
	7. Classes and objects – public and private access specifiers with examples	1
	8. Design of class and member functions with examples	2
	9. Static member functions and array of objects with examples	1
2	1. Objects as function arguments with examples	1
	2. Friend functions and friend classes with examples	1
	3. Constructors and Destructors with examples	1
	4. Constructor overloading and copy constructor with examples	1
	5. Qualifier and nested classes and Anonymous objects with examples	1
	6. Types of inheritance with examples	4
	7. Container classes and delegation with examples	1
3	1. Operator overloading with examples	4
	2. Types of polymorphism and virtual functions with examples	2
	3. Use of new and delete operators, dynamic object and virtual destructors with examples	2
	4. Exception definition, types of exceptions and exception handling mechanism	1
	5. Multiple catch statements, re-throwing exceptions, specified exceptions and uncaught exceptions with examples	2
4	1. Need of templates, function templates with examples	1
	2. Class templates with examples	1
	3. Standard Template Library (STL) with examples	2
	4. Namespaces with examples	1
	5. File processing with examples	2
	6. Command line arguments with examples	1
	7. Object oriented analysis and design	2
Total no. of classes :		42
