

## Course contents

Week 1:

**Introduction to C++**

Input/Output, C++ Functions, Getting used to Microsoft Visual Studio

Week 2:

**Operators and Programming Constructs**

Variables, Arithmetic operators, Relational operators, If-else, Switch

Week 3:

**More on Programming Constructs**

For, Do while, Arrays, Pointers, File Handling

Week 4:

**Object Based Programming**

Structures and Classes

Week 5:

**C++ Class Structures**

Constructors/Destructors, Inheritance, Polymorphism, Template Class

Week 6:

**Numerical Applications**

Week 7:

**Numerical Applications**

Week 8:

**Numerical Applications**

Week 9:

**Numerical Applications**

Week 10:

**Revisions**