Code	Subject Title	Cr. Hrs	Semester
IT-201	Object Oriented Programming	3	III
Year	Discipline		
2	Information Technology		

Objectives

The course aims to focus on object-oriented concepts, analysis and software development. The following topics will be covered in the course: Evolution of OO, OO concepts and principles, problem solving in OO paradigm, OO program design process, classes, methods, objects and encapsulation, constructors and destructors, operator and function overloading, virtual functions, derived classes, inheritance and polymorphism, I/O and file processing, exception handling.

Prerequisites

Introduction to Computing, Programming Fundamentals

Text Book

R. Lafore, *Object-Oriented Programming in C++*, 4th Edition, Sams publishing, 2002.

Reference Material

- Deitel and Deitel, *C++: How to Program*, 4/e, Pearson.
- Bruce Eckel, *Thinking in C++*, 2nd Edition, Prentice Hall.
- D.S. Malik, *C++ Programming*, 4th Edition, Thomson, 2008.

Code	Subject Title	Cr. Hrs	Semester
IT-202	Object Oriented Programming Lab	1	III
Year	Discipline		
2	Information Technology		

Relevant to the topics above