

K L UNIVERSITY
OBJECT ORIENTED PROGRAMMING (13-ES 202)

Pre – requisite: 13-ES101

L	T	P	Cr
3	0	2	4

Syllabus

Types and Declarations, Pointers, Arrays, and Structures, Expressions and Statements, Functions, Namespaces and Exceptions, Source Files and Programs. Classes, Operator Overloading, Derived Classes, Templates, Exception Handling, Class Hierarchies. Library Organization and Container, Standard Containers, Algorithms and Function Objects, Iterators and Allocators, Strings, Streams, Numeric's.

Textbook:

1. The C++ Programming Language by Bjarne Stroustrup, Addison-Wesley Professional; 4th editions, 2012.

Reference Books:

1. C++ How to Program, Third Edition, Deitel HM and Deitel PJ: PHI.
2. Thinking in C++: Introduction to Standard C++, Volume One, by Bruce Eckel, Prentice Hall; 2 edition (March 25, 2000).
3. Object-Oriented Programming in C++ (4th Edition), by Robert Lafore, Sams Publishing; 4 edition (December 29, 2001).
4. Object-Oriented Programming using C++ by Joyce Farrell
5. Principles of Object-Oriented Programming by Stephen Wong
6. Professional C++ by Nicholas A. Solter, Scott J. Kleper.
7. Problem Solving with C++(6th Edition) by Walter Savitch.
8. C++ Programming Design by Cohoon & Davidson- Third Edition.
9. Starting Out with C++ by Tony Gaddis- Sixth Edition.
10. C++ Primer – Third Edition by Stanley B. Lippman Josee Lajoie