

CSC 113: Computer Programming -2

- Credit Hours (Lectures, Lab, Tutorial): 4 (3 + 2 + 1).
- Prerequisites: CSC 112.

Course content: Introduction to OO (Procedural programming, OO programming, Differences between Procedural programming and OO programming, OO Program Structure and design methodology); Classes (ADT, Constructors, Destructors, attributes, methods); Objects, Overloading, Inheritance, polymorphism, I/O System and built-in classes (I/O basics, Formatted I/O, I/O manipulators, File I/O basics, binary, random access, Built-in classes); Applications and Examples (Arrays, Linked list, Stack, Queue); Program Style (definition/ declaration/ specification/ implementation/ comment/ Naming).