Course Outlines of
CSE 111: Programming Language II

Course Description:
This course would be an introduction to data structures, formal specification of syntax, elements of language theory and mathematical preliminaries. Other topics that would be covered are formal languages, structured programming concepts, survey of features of existing high level languages. Students would design and write application using an appropriate language. The course includes a compulsory 3 hour laboratory work each week.

Pre-requisites: CSE110: Programming Language I

Course Outlines (Tentative):

Sr. No.	Topic details	Time allocation
1	String, List, Tuple Dictionary	**Week 1,2**
2	Function	**Week 3**
3	OOP basics, class, object, Instance variable & Constructor	**Week 4**
4	Introduction to Methods (instance), Method / Constructor Overloading	**Week 5**
5	Operator Overloading, Encapsulation	**Week 6**
6	Mid term exam	**Week 7**
7	Class Method, variable & Static Method	**Week 8**
8	Inheritance	**Week 9**
9	Method Overriding, Variable Overriding	**Week 10**
10	Abstract	**Week 11**
11	Exception and Review	**Week 12**

Course Assessment Methods (Tentative):
The following assessment methods are based on Theory Course only.

Section	Marks (%)
1. Pop Quiz	5 %
2. Quizzes/Class Tests	15%-20%
3. Mid Term Examination	20%-25%
4. Lab & Assignment	20%-30%
5. Final	30%-40%
Total	**100 %**