



## Course Outlines

### Course Details:

Course Code : CSE 111                      Credit hours: 3.0  
Course Title : Computer Fundamentals & Programming Techniques  
Program : CSE / CSIT  
Semester : Summer 2016  
Course Teacher : Tanusree Sharma  
Lecturer, Dept. of CSE

### Course Assessment:

The assessment components for evaluation of students are as follows:

Item/Activity	Marks (%)
Work Sheet (including class attendance and class tests)	25%
Assignment/ Presentation	10%
Mid-Term Test	25%
Final Examination	40%
<b>Total</b>	<b>100%</b>

### Course Contents:

Lectures	Contents (Each lecture will be 1.5 hours duration)
Lecture-1	Introduction and Basic Organization of Computers
Lecture-2	Types of Computers
Lecture -3	History and Generation of Computers
Lecture -4	Number System: Anything to Decimal, Decimal to any other format
Lecture -5	Number Systems:1's complement,2's complement
	<b>Assignment/Presentation</b>
Lecture -6	Operating Systems
Lecture -7	Logic Functions
Lecture -8	Input and Output devices
Lecture -9	Memory Organization
	<b>Class Test</b>
Lecture -10	Flowchart
Lecture -11	Programming Concepts
Lecture -12	Types/levels of languages
	<b>Class Test</b>

	<b>Mid-Term</b>
Lecture -13	Introduction to C
Lecture -14	Program Format
Lecture -15	Identifiers and Keywords
Lecture -16	Data Types
	<b>Assignment/Presentation</b>
Lecture -17	Variables
Lecture -18	Declarations, Expressions
	<b>Class Test</b>
Lecture -19	Decision Making and Branching Statements: if and if-else statements; programs
Lecture -20	Decision Making and Branching Statements: Nested if-else and Else if ladder; program
Lecture -21	Decision Making and Looping: Introduction
Lecture -22	Decision Making and Looping: For statement
Lecture -23	Decision Making and Looping: While Statement
	<b>Class Test</b>
Lecture -24	Overview
	<b>Final Examination</b>

<b>Textbooks:</b>	<ol style="list-style-type: none"> <li>1. Programming in ANSI C E. Balagurusamy</li> <li>2. The Complete References of C Programming, H. Shield</li> </ol>
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