



# Course Outlines

## Course Details:

Course Code : CSI 218                      Credit hours: 3.0  
Course Title : Data Structure Sessional  
Program : CSE  
Semester : Fall-2016  
Course Teacher : Santa Maria Shithil  
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 Lab performance)	20%
Assignment/ Presentation	10%
Report Writing	20%
Lab Test: 20 + Viva: 20 + Script: 10	50%
<b>Total</b>	<b>100%</b>

## Course Contents:

Lectures	Contents (Each lecture will be 3.0 hours duration)
Lab-1	A program that will traverse every item of an array
Lab-2	A program that will delete an item from an array
Lab-3	A program that will insert an item in any location of an array
Lab-4	A program that will find the location of a given item in an array using linear search algorithm
Lab-5	A program that will sort array elements in ascending or descending order using bubble sort
Lab-6	A program that will find the location of a given item in an array using binary search
	<b>Assignment/Presentation</b>
Lab-7	A program that will perform push operation in stack
Lab-8	A program that will perform pop operation in stack
Lab-9	A program that will convert infix notation into postfix notation
Lab-10	A program that will insert and delete item from a queue
Lab-11	A program that will find a given item from a link list
Lab-12	Overview
	<b>Final Examination</b>

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<b>Textbooks:</b>	1. Data Structure Schaums's Series
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