



Near East university

Faculty of Economics and Administrative Sciences

CIS 243 (Data Structure)

Classroom: Data structure		Course schedule:	
Instructor: Sahar SHOKOUHI TABRIZI		Office hours: check the time table	
Email: sahar.shokouhi@neu.edu.tr			
Prerequisites: CIS 131		Semester: Fall/ Spring	Course Credit: 3
Language of Education: English		Type of Course: compulsory	Level of Course: undergraduate

Course objective:

The purpose of this course is to provide the students with solid foundations in the basic concepts of programming: Data Structures. The main objective of the course is to teach the students how to select and design data structures.

Course Objectives:

- Introduction to data type
- Understand linked list and its operations
- Understand stack and its operations with postfix
- Understand Queue and its operations
- Understanding sorting (Bubble and Quick)
- Understanding searching
- Understanding Trees

Tentative Syllabus

Week	Topic
1	Introduction to Data Structure
2	Working with linked list and operations
3	Continued working with linked list
4	Working with stack and operations
5	Continued working with stack and operations
6	Working with queue and operations
7	Revision
8	Mid-Term Exam
9	Working with Sorting
10	Working with Searching
11	Working with Trees
12	Working with traversal method
13	Revision
14	Final Exam

Course Assessment:

Grades in this course will be assigned according to the following criteria:

Class participation	5%
Class activity(assignments)	15%
Mid-term Examination	35%
Final Examination	45%
Total	100%