National University
of Computer & Emerging Sciences Peshawar Campus

PROGRAM: COMPUTER SCIENCES

COURSE: (CL218) DATA STRUCTURES LAB

LAB INSTRUCTOR: MUHAMMAD HAMZA

COURSE CONTENT

1. Array Based List
2. Linked List
3. Doubly Linked List
4. Single and Double Circular Linked List
5. Stack (Array and Linked List Based)
6. Queue (Array and Linked List Based)
7. Binary Tree & Binary Search Tree
8. AVL Tree
9. Threaded Binary Tree
10. Heap (Tree and Array Based)
11. Hash Tables
12. Graph
13. Sorting Algorithms

EVALUATION (Tentative)

1. Lab Tasks   -   60%
2. Final Lab Exam   -   40%

GOOD LUCK :)