COURSE DESCRIPTION:
Explores trees, paths, linear lists, strings, arrays, stacks, queues, linked structures, and algorithms for searching, sorting, merging.

PREREQUISITE:
21:198:102 (Computer & Programming II)

TEXTBOOK:

DEPARTMENT WEB SITE: http://www.ncas.rutgers.edu/math

THIS COURSE COVERS THE FOLLOWING:

Chapter 3
   Recursion
Chapter 2
   Data Abstraction
Chapter 5
   Linked Lists
Chapter 6
   Recursion as a Problem-Solving Technique
Chapter 7
   Stacks
Chapter 8
   Queues
Chapter 9
   Advanced Java Topics
Chapter 10
   Algorithm Efficiency and Sorting
Chapter 11
   Trees Introduction
Chapter 12
   Heaps