Computer Engineering 12
Abstract Data Types and Data Structures

Spring 2004
Mondays, Wednesdays, and Fridays
11:45 am – 12:50 pm
ENGR 105

Instructor
Instructor: Darren Atkinson
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Textbooks

Teaching Assistants
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Grading
Programming projects: 20% (4/22, 5/6, 5/20, and 6/3)
Midterm exams: 40% (4/16 and 5/14)
Final exam: 40% (6/9)

Overview
1. Introduction (Chapter 1)
2. Searching (Chapter 2)
3. Linear lists (Chapter 3), midterm exam
4. Linear lists, stacks and queues (Chapters 3, 4 and 5) project #1
5. Recursion and trees (Chapters 6 and 7)
6. Trees and search trees (Chapters 7 and 8), project #2
7. Search trees (Chapter 8), midterm exam
8. Heaps and sorting (Chapters 9 and 11), project #3
9. Sorting and graphs (Chapters 11 and 12)
10. Classes in C++, project #4