Computer Engineering 12
Abstract Data Types and Data Structures

Winter 2005
Mondays, Wednesdays, and Fridays
1:00 pm – 2:05 pm
ENGR 325

Instructor
Instructor: Darren Atkinson
Office: ENGR 245
Office hours: Mondays, Wednesdays, and Fridays, 9:45 am – 10:30 am and 2:15 pm – 3:00 pm
E-mail: datkinson@scu.edu
Web page: http://www.cse.scu.edu/~atkinson/teaching/012

Textbooks

Teaching Assistants
Teaching assistants: Sumit Naiksatam
Lab hours: Tuesdays, 2:30 pm – 5:00 pm and Wednesdays, 2:15 pm – 5:00 pm
E-mails: snaiksatam@scu.edu

Grading
Programming projects: 20% (1/28, 2/11, 2/25, and 3/11)
Midterm exams: 40% (1/21 and 2/18)
Final exam: 40% (3/18)

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