Computer Engineering 12
Abstract Data Types and Data Structures

Spring 2008
Mondays, Wednesdays, and Fridays
10:30 am – 11:35 am and 1:00 pm – 2:05 pm

Instructor
Instructor: Darren Atkinson
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Office hours: MW 2:15 pm – 3:15 pm and F 9:15 am – 10:15 am
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Teaching Assistants
Teaching assistant: Sree Gudreddi and Maria Pantoja
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Textbooks

Grading
Lab attendance: 5% (each and every week)
Midterm exams: 40% (4/18 and 5/16)
Final exam: 40% (6/11)

Overview
Abstract data types: sets, lists (including stacks and queues), priority queues, and maps (dictionaries)
Data structures: arrays, hash tables, linked lists, trees (including search trees), heaps, and graphs
Algorithms: searching and sorting (selection-based, insertion-based, and exchange-based)

Policies
Students are bound by the Santa Clara University Academic Integrity Policy and School of Engineering Honor Code. Collaboration on project assignments and reuse of assignments from previous classes are not allowed and are an explicit violation of these policies. Finally, you are free to attend either class period for lectures, but you must take the exams in the class period for which you are registered. There will be no exceptions to this policy.