CSE 326
Data Structures
Autumn 2007

Instructor: James Fogarty, CSE 666
E-Mail: cse326-instr@cs.washington.edu
Office Hours: Monday, 1:30-2:30pm, CSE 666
TAs: Peter Henry, Bo Qin
Bo: Tuesday, 9:30-10:30am, CSE 002
Peter: Wednesday, 4:30-5:30pm, CSE 002
Course Home Page: http://www.cs.washington.edu/326

Lectures:

A	MWF 11:30-12:20	ARC 160

Sections:

AA	Th 12:30-1:20	MGH 234
AB	Th 1:30-2:20	MGH 242

Note: Sections **will** meet the first week (September 27th)

Course Description: In this course, we will explore several fundamental algorithms and data structures in computer science, and learn to implement them. Some of the data structures we will encounter include linked lists, stacks, queues, trees, heaps, hash tables, and graphs. We will study and analyze algorithms for searching, traversing trees, hashing, manipulating priority queues, sorting, finding shortest paths in graphs, and much more. Note: You may have seen some of this material before. However, the treatment of algorithms and data structures in this course will be much more rigorous and in-depth compared to CSE 143.

Prerequisites: CSE 321

Textbook: Data Structures and Algorithm Analysis in Java 2nd Ed., Mark Allen Weiss, Addison Wesley: 2007, ISBN: 0-321-37013-9.

Grading and Evaluation: Grades will be computed *approximately* as follows (weights may be modified):

- 25% - Written Homework Assignments
- 25% - Programming Assignments
- 20% - Midterm Exam
- 25% - Final Exam
- 5% - Best of the three items above

CS 326 – First Day Assignments

1) **Sign up for the mailing lists** (see course home page for more info on this) (immediately)

2) **Project #1** – Your first programming assignment will be posted later on today (Sep 26th). Please come to section tomorrow (Thursday) with questions.

3) **Information Sheet**: Please bring a sheet of paper with the following information with you to lecture on Friday, September 28th:

A Picture of you!
Student ID is o.k. but something more interesting or readable is nice too.

Name (and what you like to be called)
Email address
Year (1,2,3,4 i.e. freshman, sophomore, etc.)
Major
Hometown
Interesting Fact about yourself and/or what you did over summer break.

5) **Reading** in *Data Structures and Algorithm Analysis in Java*, by Weiss

- For this week:
  - Chapter 1 – (review) Mathematics and Java
  - Chapter 3 – (Assign #1) Lists, Stacks, & Queues
  - Chapter 2 – (Topic for Friday) Algorithm Analysis