



# CSE 326

## Data Structures

### Autumn 2006

**Instructor:** Larry Snyder, Allen Center 584  
**E-Mail:** [snyder@cs.washington.edu](mailto:snyder@cs.washington.edu)  
**Office Hours:** Wednesdays, 4:30-5:30 or by appointment  
**TAs:** Paul Pham, Brian Ngo  
**Course Home Page:** <http://www.cs.washington.edu/326>

#### Lectures:

A MWF 11:30-12:20 EE1 037

#### Sections:

AA Paul Pham Th 12:30-1:20 MGH 251

AB Paul Pham Th 1:30-2:20 PAA A212

<b>Note:</b> Sections <b>will</b> meet the first week (September 28th)
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**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

**Course Text:** Weiss, Mark Allen. **Data Structures and Algorithm Analysis in Java** 2<sup>nd</sup> Ed., Addison Wesley: 2007, ISBN: 0-321-37013-9

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

- 20% - Written Homework Assignments
- 25% - Programming Assignments
- 20% - Midterm Exam
- 25% - Final Exam
- 10% - Best of the four 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 is posted. Please come to section tomorrow (Thursday) with questions.
- 3) **Information Sheet:** Please bring to lecture on Friday September 29th a sheet of paper – you know, the floppy white stuff that comes out of printers -- with the following information:

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

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*, 2<sup>nd</sup> Ed. by Weiss

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

