CS124 Data Structures and Algorithms

Fall 2015

Course objective: common data structures for abstract data types and algorithms, including trees, heaps, sorting, hashing, disjoint set find-union and basic graph algorithms; their performance comparison.

Instructor: Byung S. Lee, 321 Votey, 656-1919, bslee@uvm.edu. Office Hours: noon-1:00 p.m. MWF

Teaching assistant: Prajwal Shrestha. 345 Votey, 373-9499, prajwal.shrestha@uvm.edu. Office hours: 9:00 a.m. - 10:30 a.m. TTh.

Prerequisites: CS 26 or 110, CS 64 or Math 52 or 54.

Lectures: Rowell 118, 9:40 a.m. – 10:30 a.m. MWF

Textbook: Mark A. Weiss, Data Structures and Algorithm Analysis in Java (3rd ed.), Addison Wesley.

Coursework: Homework (weekly, some including programming exercises), exam#1 (closed book, in class, Monday October 5, 2015), exam#2 (closed book, in class, Monday November 2, 2015), exam#3 (closed book, classroom, 1:30 p.m. – 3:00 p.m., Friday December 11, 2015).

Grading: Homework 50%, exam#1 15%, exam#2 15%, exam#3 15%, class attendance 5%.

Grade distribution (this is an absolute grading system): 95-100% (A+), 90-95% (A), 85-90% (A-), 80-85% (B+), 75-80% (B), 70-75% (B-), 65-70% (C+), 60-65% (C), 55-60% (C-), 50-55% (D+), 45-50% (D), 40-45% (D-), 0-40% (F).

Class attendance: 1% deduction up to 5% for each absence without prior approval by the instructor.

Late submission policy: 10% grade reduction per working day (holidays and weekends not included) after the deadline. Not accepted once the answer keys are out.

Academic honesty: You may discuss an assignment with other people, refer to other literature, or search the Internet for better understanding of and more insight into the assignment. However, you must provide all answers for yourself. Plagiarism will be handled according to the University Code of Academic Integrity (www.uvm.edu/~uvmppg/ppg/student/acadintegrity.pdf).

Special needs: If you need any special accommodations for a reason of disability, please inform the instructor at the beginning of the course so an appropriate arrangement can be made.

Last updated: August 31, 2015