CSC 300 Data Structures in Java I

Instructor: Steven Lytinen
Office: CDM 645
Spring 2015-2016

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Course homepage: [http://condor.depaul.edu/slytinen/300s16](http://condor.depaul.edu/slytinen/300s16)

**Summary**

This is the first course in a two-course sequence on data structures using Java. The course introduces basic Java programming, reviews recursion, introduces asymptotic notations, and focuses mainly on linear data structures including arrays, linked lists and their variants, stacks and queues, and data structures supporting disjoint-set operations. The implementation of the basic operations on each data structure are discussed and analyzed in terms of their efficiency. The applications covered highlight and exploit the unique characteristics of the data structures, and emphasize problem solving and recursive thinking.

**Texts**


**Grading**

The grade breakdown will be as follows:

- Homeworks Assignments 40%
- Midterm 30%
- Final Exam 30%
The grading scale will be determined by a curve. The cutoffs will be no higher than the following: 90-100, A; 80-89.99, B; 70-79.99, C; 60-69.99, D; 0-59.99, F. Plusses and minuses will be given at the high/low ends of each grade range (no A+’s or D-’s).

Prerequisites

CSC 242 or 243

Course and School/University Policies

Late submissions: Homework assignments must be turned in by the time and date specified on D2L. A student may make at most one late homework submission during the quarter. No late homework assignments are allowed to be submitted after a sample solution is presented in lecture.

You can expect that if a homework assignment is turned in on time, it will be graded within one week after its due date (not the date that you turn it in). If an assignment is turned in late, it will be graded within one week of its submission date.

Policies on working together: You may feel free to discuss assignments with other students or with a tutor at a general level. This may include discussion of general issues, such as the types of data structures and control flow needed for the assignment. However, when it comes to actually writing answers to written problems, or writing code, you may not work with others, with the exception of asking the tutors (or me) for debugging help. You are not allowed to copy answers/code from any source, including the Web. It has been my experience that if you write code or homework solutions together with another student, or copy from a friend’s old assignment, or if a tutor writes your homework for you, or you discover a solution on the Web or from another textbook, you will be caught. Any violations of this policy will be dealt with very seriously.

Changes to Syllabus: This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.

Online Course Evaluations: Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student’s identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in CampusConnect.

Academic Integrity and Plagiarism: This course will be subject to the university’s academic integrity policy. More information can be found at http://academicintegrity.depaul.edu/ If you have any questions be sure to consult with your professor.

Academic Policies: All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found at http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx.

Students with Disabilities: Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:

Lewis Center 1420, 25 East Jackson Blvd.
Phone number: (312)362-8002
Fax: (312)362-6544
TTY: (773)325.7296