CS 313
Lecturer: Kangmei Yang
CSCI 313: Data Structures

- Topics:
  - Fundamental data structures and their implementation
  - Stacks, Queues, Trees (binary, AVL), heaps, graphs, hash tables.
  - Searching and sorting algorithms.
  - Runtime analysis.
  - Examples of problem-solving using greedy algorithm, divide-and-conquer, backtracking

Recommended Textbook:
Data Structures and Algorithm Analysis in Java
3rd Edition
Grades

4 Assignments 32% (8% each)
Midterm 30%
Final 38%

Policy: Academic dishonesty such as plagiarism or cheating will be dealt with seriously in accord with the University’s policy on academic integrity.
Assignment Submission

Assignments:
Plagiarism – Do not copy your code from another student.
Submit to cs.qc.yang@hotmail.com

The email subject line should include CS313, your section and class time, name, and what you’re submitting.
-Ex: CS313 Sec 26 T/Th 1:40PM Kangmei Yang Assignment1

Assignments are due by 11:59:59 PM on the due date. Submission received after the due date will cost a penalty of 10% per day until the cut-off date, which no more submission is accepted afterwards.

Code must written in Java, any non-compilable code receive a maximum grade of 60%.
Contact Information

Kangmei Yang

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Virtual Office Hour:
Monday: 3:30PM – 3:40PM
Tuesday: 2:55PM – 3:15PM