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

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>4 Assignments</td>
<td>16% (4% each)</td>
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<tr>
<td>4 Quizzes</td>
<td>16% (4% each)</td>
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<tr>
<td>Midterm</td>
<td>33%</td>
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<tr>
<td>Final</td>
<td>35%</td>
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**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 junbinliang66@gmail.com

The email subject line should include your section and class time, your name, and what you’re submitting.
-Ex: Section 26 T/Th 12:15PM Kangmei Yang Assignment 1

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. Assignment 1 & 2 has cut-off day, which is 5 days after due date. Code must written in Java, any non-compilable code receive a maximum grade of 60%.
Contact Information

Kangmei Yang

Email: Kangmei.yang@gmail.com

Office Hour:
Tue/Thur: 5:45PM – 6:15PM
Or by appointment on Friday

Office:
Room A201
Important Dates

2/12 College Closed, last day to add a course, Last day - drop a course without the grade of WD

2/16 Last day-drop a course w/o the grade of W

3/26,27 First Midterm

4/1 Last day-withdraw a course w/ grade of W

4/7 Classes follow Wednesday schedule

4/8 – Spring Recess
4/16 College closed - No class

5/14 Last day of classes

5/19, 21, 22 Final Exam day