Instructors:
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Schedule:
Sec.1: Tue. 10:40-11:30, IE-301; Thu. 9:40-12:30, IE-301.
Sec.2: Mon. 9:40-10:30, ED-231; Wed. 9:40-11:30, ED-231.
Sec.3: Tue. 16:40-17:30, IE-301; Thu. 11:40-13:30, IE-301.

Course objective: This course primarily aims to acquaint the student with basic data structures frequently used in software engineering and programming practices. Concepts of object-oriented programming, abstract data types, dynamic memory management and algorithm complexity are given. Searching and sorting algorithms are also discussed.

Topics: Introduction to object oriented programming, classes; arrays, stacks, queues, linked lists, recursion, trees, tree traversal, binary search trees, multi-way trees, B-trees, sorting algorithms, hashing, graphs, algorithmic and computational complexity

Pre-requisite: CENG 230 or equivalent.


Grading: Mid-term exams: 25%*2; Homework projects: 15%; Final Exam: 30%; Attendance: 5%

NA Grade: Students who attend at least one midterm exam and submit at least one homework earn the right to take the final exam. Those who will not take any exam or submit any homework will be graded NA (“Not Available”). Students who miss either one midterm exam or the final exam due to health problems may take the make-up exam to be given after the final exams.

Homework: Three software projects will be assigned throughout the term. Details of the homework policy will be announced later.

Exam dates:
Midterm I: November 7, 2017
Midterm II: December 12, 2017
Final: January, 2018