CS 473 - Algorithms I
2021-2022 Fall

Instructor: Cevdet Aykanat

Schedule:
Section 1: EE-04 Tuesday 8:30-10:20, Thursday 13:30-15:20
Section 2: EE-04 Tuesday 13:30-15:20, Friday 8:30-10:20


Teaching Assistants: Nabil Abubaker, Orhun Çağlayan, Selçuk Gülcan, Kemal Büyükkaya

Course Web Page: http://bilkent.edu.tr/~nabil.abubaker/473

Check course web page regularly for announcements.

Credits: 3, ECTS Credits: 6
Prerequisites: CS 202

Grading:
- Five Mid-week exams: 65% (13% each)
- Final: 35%

Course Contents
- WEEK(2): Asymptotic notation.
- WEEK(3): Divide and conquer: Strassen
- WEEK(4): Randomized quicksort: analysis.
- WEEK(7): Sorting in linear time.
- WEEK(9): Dynamic programming: 0/1 knapsack, subset sum, optimal binary search tree.
- WEEK(11): Elementary Graph algorithms: BFS
- WEEK(12): Elementary Graph algorithms: DFS & Topological sort
- WEEK(13): Elementary Graph algorithms: Strongly connected components

Disclaimer: The instructor holds the right to change the grading and assignment policies because of the possible changes in pandemic conditions.

Remarks
- Copying or communicating during an exam is considered as cheating. Students caught cheating in an exam will be subject to disciplinary action, as explained in the “Student Disciplinary Rules and Regulation.”
- Students failing to obtain 15 points out of 65 points until final exam will get FZ.
- Mid-week exam dates will be announced later.
- All exams (including mid-weeks) will be conducted in face-to-face fashion.
- In all exams, smart watches, phones, and any other electronic devices must be turned off.