

Tentative Syllabus

CS 300 Data Structures

Fall 2020

Lecture Hours: Tuesdays 12:40 – 13:30 (synchronous, online)
Fridays 12:40 – 14:30 (synchronous, online)

Instructor Cemal Yilmaz
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Office: FENS G019
Office Hours: Mondays 15:40 - 16:30
Wednesdays 10:40 - 11:30
Thursdays 10:40 - 11:30

TAs Hamed Mohammadi (hamed@sabanciuniv.edu)
Office Hours: Monday 18.30-20.30 (<https://meet.google.com/fix-xkpi-epb>)
Şevval Şimşek (sevvalboylyu@sabanciuniv.edu)
Office Hours: Tuesdays 13.30-15.30 (<https://meet.google.com/djy-dphn-mok>)
Mohammad Abdeh (mohammadabdeh@sabanciuniv.edu)
Office Hours: Wednesdays 11.30-13.30 (<https://meet.google.com/dmw-zedz-rmq>)
Amro A. Aljundi (amroa@sabanciuniv.edu)
Office Hours: Thursdays 15.30-17.30 (<https://meet.google.com/qhu-shoe-nff>)
Ceren Yıldırım (cerenyildirim@sabanciuniv.edu)
Office Hours: Fridays 14.30-16.30 (<http://meet.google.com/wam-hvap-zto>)

PROGRAM

week 1	Overview
week 2	Algorithm Analysis
week 3	Linear Data Structures
week 4	Trees 1
week 5	Trees 2
week 6	Hash Tables
week 7	Heaps (Priority Queues)
week 8	Sorting 1
week 9	Sorting 2
week 10	Disjoint Sets
week 11	Graph Data Structures 1
week 12	Graph Data Structures 2
week 13	Algorithm Design Techniques 1
week 14	Algorithm Design Techniques 2

IMPORTANT NOTICE

Unless otherwise stated by YÖK or Sabanci University, all the lectures, recitations, exams, and quizzes will be carried out in a synchronous, online manner. During these online sessions (including those for the exams and quizzes), you may be asked to turn on your cameras. All the online sessions may be recorded. Since the lecture and recitation recordings will be shared with the class right after the sessions, your voice, camera images, and chat messages captured during the sessions, may be included in the recordings.

GRADING POLICY

	contribution (%)	
Quizzes	10	(weekly short quizzes)
Midterm	25	(best 5 of 6 long quizzes)
Final	30	
Homework	35	

Be aware that getting good grades in the exams is not sufficient to pass the course! To be assessed as successful, students must submit all homework on time and must make a good faith effort to complete all the homework requirements. This, though, does not mean that the homework will be graded on the basis of the amount of effort you put in them.

ATTENDANCE

Throughout the classes, the instructor will not always stick to the textbook. To this end, it's a fair game for the instructor to have questions in the exams about any topic discussed in the classes as well as in the recitation hours. Afterall, all the quizzes will be carried out during lecture hours. Thus, miss a lecture at your own risk!

TURN-IN and LATENESS POLICY

All homeworks are due 11:55pm on their due dates. 10% penalty will be incurred for each day of overtime. Submissions that are late by more than 3 days will not get any credits.

COLLABORATION POLICY

Students must work and complete all homework on their own. Plagiarism (copying/cheating) will be dealt with extreme prejudice. Each student is responsible in making sure that his/her homework is well protected from others.

MAKEUP POLICY

No makeup exam will be offered for either the short or the long quizzes.

If you miss the final exam, no makeup exams will be granted unless you have a documented emergency situation and notify the instructor within 48 hours after the exam date. The instructor reserves the right as to when and how a makeup exam will be granted.

TEXTBOOK

Data Structures & Algorithm Analysis in C++, (2nd, 3rd, or 4th edition), Mark Allen Weiss, Pearson, 2014, ISBN 0-273-76938-3 (4th edition).