

MATH 204
Discrete Mathematics, Summer 2022

Class Hours: Monday 2:40-5:30, Wednesday 11:40-2:30 at G077

Recitation Hours: A1: Monday 5:40-7:30 at L067, A2: Monday 5:40-7:30 at L058

Instructor: Esen Aksoy

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Office Hours:TBA

Textbook: Discrete Mathematics and its Applications, 7th ed., Kenneth H. Rosen.

Aim of the Course: We hope to gain an understanding of:

- First-order logic, proof techniques, mathematical induction
- Sets, functions, sequences, sums,
- Algorithms, analysis of time and space complexity,
- Divisibility and primes,
- Basic and advanced counting techniques, recurrences, solving recurrences,
- Relations (if time),
- Graphs, trees (if time).

Grading: Your grade exclusively depends on the items listed below. There will be no other extra-credit opportunities.

Midterm 40%

Final 40%

Recitation quizzes 15% (There will be 5 or 6 quizzes. The best 4 of your quiz scores will determine the quiz grade. There will be no make-up for missed quizzes.)

Lecture attendance 5%

Exams: The midterm will be on August 15, 2022 at 2:40. More detailed information will be available in due course.

Student Resources will determine the dates times for all final exams, and instructors cannot change it. So, do not plan to leave İstanbul during the final exam period. We will not accommodate travel arrangements or other personal business.

Makeup Policy: If you miss the midterm or the final for any reason, you can take the makeup exam. You need to submit a medical report. Makeup for either midterm or the final will be at the end of the summer school (after the finals exam). Only students that missed one of two exams will be contacted about the exact time and place. The makeup exam will contain all topics and therefore it will be harder than the regular exams. If you miss the two exams for any reason, your letter grade will be NA, and will not be

allowed to take the makeup.

Note: During the exams/quizzes, the use of cheat sheets and electronic equipments (including cell phones, smart watches, calculators, computers etc.) are NOT allowed. Exams/quizzes are closed book and closed notes.

You are responsible for every announcement made in class or in SUCourse. Not attending the classes or not following SUCourse regularly is not an excuse, in case you miss something.