

MATH 306, Statistical Modelling

Fall 2022-23

Syllabus

1 Instructor and Assistants

Instructor Semih Sezer
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Assistants: Nozir Shokirov shokirovnozir@sabanciuniv.edu
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Murat Demirarslan mdemirarslan@sabanciuniv.edu
Hüseyin Bedir Demirtaş bedir.demirtas@sabanciuniv.edu

2 Office Hours

1. Instructor's office hours: by appointment.
2. Assistants' office hours: by appointment.

3 Time and Venue

1. Lectures

Wednesday	8.40-10.30	FMAN 1099
Friday	8.40-9.30	FMAN 1099

2. Recitations

Section	Day	Time	Classroom	Assistant
A	Monday	9:40 - 10:30	FENS L027	Ara Rahimpour
B	Monday	10:40 - 11:30	FENS L027	Hüseyin Bedir Demirtaş
C	Monday	11:40 - 12:30	FENS L065	Hüseyin Bedir Demirtaş
D	Monday	12:40 - 13:30	FENS G035	Ender Akpınar
E	Monday	13:40 - 14:30	FENS L061	Murat Demirarslan
F	Monday	14:40 - 15:30	FENS L065	Murat Demirarslan
G	Monday	15:40 - 16:30	FENS L065	Nozir Shokirov
H	Monday	16:40 - 17:30	FENS L065	Nozir Shokirov

4 Textbook

John Freund's Mathematical Statistics with Applications, 8th Edition, Pearson.

5 Lecture Slides and Recordings

Lecture slides and lecture recordings will be available on SUCourse+.

6 Course Description

The course covers the material listed below. Chapters refer to the above mentioned textbook.

- Chapter 8: Sampling Distributions
- Chapter 10: Point Estimation
- Chapter 11: Interval Estimation
- Chapter 12: Hypothesis Testing
- Chapter 13: Test of Hypothesis Involving Means, Variances and Proportions
- Chapter 14: Regression and Correlation . . . and more if time permits

7 Exams and Other Items

1. There will be one midterm and one final. Their weights are as follows:

Midterm: 45%

Final: 55%.

Both the midterm and the final will be (non-online) written exams held in classrooms on campus.

The midterm date & time: November 30th, at 19.40.

Final exam date & time will be announced by the Student Resources.

2. Make-up policy

There will be a single make-up exam after the final exam. The make-up exam grade will replace all your missing exam grades.

If you miss an exam, you do NOT need to contact the instructor to explain the reason.

It is recommended that you take both exams as scheduled. The make-up exam will be cumulative. The date of the make-up exam will be announced later.

3. During the exams, the use of cheat sheets and electronic equipments (including cell phones, smart watches, calculators, computers etc.) are NOT allowed. Exams are closed book and closed notes exams.
4. Students are expected to attend the lectures as much as they can. For the ones they miss, they are expected to watch the recordings on SUCourse+.
5. It is students' responsibility to follow all the announcements made in class and those made via SUCourse+.
6. Students are advised to study regularly every week next to going to classes and attending the recitations. If the material discussed in class is not fully understood, students should make an appointment with the instructor or one of the course assistants after the class.