

MATH 306 Statistical Modelling

Fall 2024-25

Syllabus

1 Instructor and Teaching Assistants

Instructor: Semih Sezer sezer@sabanciuniv.edu
Office: FENS L024
Phone: 0216 483 9586

Assistants: Shawqi Mohammed Othman Farea sfarea@sabanciuniv.edu
Hakan Mülayim hakan.mulayim@sabanciuniv.edu
Ali Savaş ali.savas@sabanciuniv.edu
Murat Demiraslan mdemiraslan@sabanciuniv.edu
Irmak Küçükoba irmak.kucukoba@sabanciuniv.edu

2 Office hours

Office hours for the instructor and the assistants: by appointment.

3 Time and Venue

1. Lectures

Day	Time	Classroom
Wednesday	8.40-10.30	FENS G077
Friday	8.40-9.30	FENS G077

2. Recitations

Section	Day	Time	Classroom
A	Monday	9.40 - 10.30	FENS L027
B	Monday	9.40 - 10.30	FENS L063
C	Monday	11.40 - 12.30	FENS L065
D	Monday	12.40 - 13.30	FENS L055
E	Monday	13.40 - 14.30	FENS L061
F	Monday	14.40 - 15.30	FENS L065
G	Monday	15.40 - 16.30	FENS L065
H	Monday	16.40 - 17.30	FENS L065

4 Textbook

John Freund's Mathematical Statistics with Applications, 8th Edition, Pearson-Prentice Hall, 2004, ISBN 978-1-292-02500-1.

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 (Review)
- 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 Grading Policy

- 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 23rd, at 12 noon

Final exam date will be announced by the Student Resources.

- Make-up policy

If you miss an exam, you do NOT need to contact the instructor to explain the reason. There will be a single make-up exam after the final exam period. The make-up exam grade will replace all your missing exam grades.

The make-up exam will be cumulative. It will be a (non-online) written exam on campus. Its date will be announced later.

- 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.

8 Other Items

- It is students' responsibility to follow all the announcements made in class and those made via SUCourse+.
- 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+.
- 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.