

Syllabus MATH 306, Statistical Modelling Spring 2022

1 Instructor and Assistants

Instructor Semih Sezer
Email sezer@sabanciuniv.edu
Office FENS L024
Phone 0 216 483 9586

Coordinating assistant: Sina Shahri Majarshin ssina@sabanciuniv.edu

Assistants: Ali Kerem Yalçın alikeremyalcin@sabanciuniv.edu
Ata Farahmand atafarahmand@sabanciuniv.edu
Zohreh Aliabadi zaliabadi@sabanciuniv.edu
Ender Akpınar enderakpinar@sabanciuniv.edu
Okan Arslantaş okanarslantas@sabanciuniv.edu

2 Office hours

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

3 Time and Venue

1. Lectures (in class & online)
 - Wednesday 8.40-10.30 Performing Arts Center HALL
 - Friday 8.40-9.30 School of Management 1099.

2. Recitations (online)

Section	Day	Time	Assistant
A	Wednesday	16:40 - 17:30	Okan Arslantaş
B	Thursday	10:40 - 11:30	Ender Akpınar
C	Thursday	12:40 - 13:30	Ata Farahmand
D	Thursday	13:40 - 14:30	Zohreh Aliabadi
E	Thursday	16:40 - 17:30	Ali Kerem Yalçın
F	Friday	12:40 - 13:30	Sina Shahri Majarshin
G	Friday	13:40 - 14:30	Okan Arslantaş
H	Friday	14:40 - 15:30	Sina Shahri Majarshin
I	Friday	15:40 - 16:30	Zohreh Aliabadi
J	Friday	16:40 - 17:30	Ali Kerem Yalçın

4 Textbook

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

5 Lecture slides and videos

Slides and lecture videos will be uploaded 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 Course and Exam Policies

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 is as follows:

April 28, at 19.40.

Final exam date 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 STRONGLY 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. The passing grade will be determined after the last exam. Be aware that this passing grade may not match the overall average of the students.
5. It is students' responsibility to follow all the announcements made in class and those made via SUCourse+.

Important Note:

Do not underestimate this course. It is advised that you study regularly every week next to going to classes and attending the recitation session. If you do not fully understand the material you should make an appointment with your TA or your instructor immediately after class.