

Syllabus MATH 306, Statistical Modelling Summer 2020-21

1 Instructor

Instructor Mikail Yılan
Email mikail@sabanciuniv.edu
Office FENS 2017

2 Office hours

1. Office hours instructor: Thursday 15.00-17.00.
2. Office hours TA's: by appointment.

3 Time and Venue

1. Lectures

Monday 11.40-14.30 Wednesday 14.40-16.30 Thursday 10.40-12.30

Zoom Link: <https://sabanciuniv.zoom.us/j/9227551179>

2. Recitations

Section	Day, Time	Teaching Assistant
A1	Monday 14.40 - 16.30	Zeynep Kucuksari
A2	Monday 14.40 - 16.30	Sina Shahri Majarshin
B1	Wednesday 16.40 - 18.30	Mohammad Khalafi

Section	Zoom Link
A1	Meeting ID: 854 607 6087 and Passcode: E7QV7d
A2	https://sabanciuniv.zoom.us/j/3080679987
B1	https://sabanciuniv.zoom.us/j/4047649689

4 Textbook

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

5 Prerequisite and Corequisite

Prerequisite is a grade at least D for MATH 203. MATH 306R is a corequisite.

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 allows

7 Grading

Midterm	45%
Final	55%

8 Make-up Policy

If a student misses an exam, then s/he has to have a medical report by Sabanci University Health Center covering the exam date. Otherwise, the exam grade will be counted as “zero.” There will be only one make-up test for students who have missed an exam (a midterm or the final). The make-up grade will replace the grade of the missed test. The make-up will take place after the final examination and it will cover the entire the course.