MATH 306, Statistical Modelling
Spring 2023-24
Tentative Syllabus

1 Instructor and Teaching Assistants

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

Assistants: Zohreh Aliabadi zohreh.aliabadi1@sabanciuniv.edu
Mert Özçelik ozcelikmert@sabanciuniv.edu
Abdullah Alluş abdullah.allus@sabanciuniv.edu
Ayça Demir ayca.demir@sabanciuniv.edu
Batuhan Bahçeçi batuhan.bahceci@sabanciuniv.edu
Onur Orman onur.orman@sabanciuniv.edu

2 Office hours

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

3 Time and Venue

1. Lectures

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Classroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>8.40-9.30</td>
<td>FENS G077</td>
</tr>
<tr>
<td>Friday</td>
<td>8.40-10.30</td>
<td>FENS G077</td>
</tr>
</tbody>
</table>

2. Recitations

<table>
<thead>
<tr>
<th>Section</th>
<th>Day</th>
<th>Time</th>
<th>Classroom</th>
<th>TA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Monday</td>
<td>9.40 - 10.30</td>
<td>FENS L027</td>
<td>Batuhan Bahçeçi</td>
</tr>
<tr>
<td>B</td>
<td>Monday</td>
<td>10.40 - 11.30</td>
<td>FENS L027</td>
<td>Abdullah Alluş</td>
</tr>
<tr>
<td>C</td>
<td>Monday</td>
<td>11.40 - 12.30</td>
<td>FENS L027</td>
<td>Semih Sezer</td>
</tr>
<tr>
<td>D</td>
<td>Monday</td>
<td>12.40 - 13.30</td>
<td>FENS L065</td>
<td>Ayça Demir</td>
</tr>
<tr>
<td>E</td>
<td>Monday</td>
<td>13.40 - 14.30</td>
<td>FENS L062</td>
<td>Ayça Demir</td>
</tr>
<tr>
<td>F</td>
<td>Monday</td>
<td>14.40 - 15.30</td>
<td>FENS L027</td>
<td>Onur Orman</td>
</tr>
<tr>
<td>G</td>
<td>Monday</td>
<td>15.40 - 16.30</td>
<td>FENS L067</td>
<td>Zohreh Aliabadi</td>
</tr>
<tr>
<td>H</td>
<td>Monday</td>
<td>16.40 - 17.30</td>
<td>FENS L035</td>
<td>Zohreh Aliabadi</td>
</tr>
<tr>
<td>I</td>
<td>Tuesday</td>
<td>14.40 - 15.30</td>
<td>FENS L029</td>
<td>Abdullah Alluş</td>
</tr>
<tr>
<td>J</td>
<td>Tuesday</td>
<td>15.40 - 16.30</td>
<td>FENS L029</td>
<td>Onur Orman</td>
</tr>
</tbody>
</table>
4 Textbook


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 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: April 28th, 12 noon.

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

2. 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.
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.