• **Lecture Times and Classrooms:**  
  - M 12:40 – 14:30  
  - W 12:40 – 13:30  
  FENS G029

• **Instructor:**  
  - Semih Sezer  
  - FENS L024  
  - Phone: 9586  
  - Email: sezer@sabanciuniv.edu

**Office Hours:** By appointment.

• **Course description:** The course aims to discuss important topics in statistics in a mathematically rigorous way. The topics that will be discussed include sampling distributions and asymptotics, point and interval estimations, hypothesis testing. Implementations will be illustrated with R.

• **Lecture Material:** We will follow the lecture notes. They will be posted on SUCourse+. R tutorials will also be posted on SUCourse+.

**Supplementary Reading for R:**  

**Recommended (Optional) Reading for Statistics:**  

• **Course Content (Tentative Plan):**
  - Probability Theory  
  - Sampling Distributions  
  - Convergence Concepts and Limit Results  
  - Delta Method  
  - Sufficient Statistics  
  - Point Estimation  
  - Interval Estimation  
  - Hypothesis Testing  
  - and more... as time permits

• **Grading Policy:**

There will be two exams: one midterm and one final. The weights of these exams will be 45% and 55% respectively.

Both exams will be take-home exams. The midterm will be on December 2th, and the final will be on January 7th.
• Students are expected to attend at least 75% of the lectures throughout the semester.

• It is students’ responsibility to follow all the announcements made in class and those made via SUCourse+ Course Management System.