System Analysis and Design

Introduction

- System Design heavy course.

- We will do Case Studies.

- A midterm, final and a **project**.

Attendance

- Mandatory @ 70%.

Grading

Grades	Letter Grade
90-100	AA
85-89,99	BA
80-84,99	BB
70-79,99	CB
60-69,99	CC
50-59,99	DC
40-49,99	DD

Office hours & Questions

- Tuğberk Kocatekin
    - tugberkkocatekin@arel.edu.tr
    - You can reach me anytime via email.

Outline of the course

- We will recap *software engineering* concepts a little bit.
- We will talk about how real-life business works.
- There will be no coding in this course because it is about **systems**.

Midterm & Final & Project

- Midterm 30%

- Project 30%

- Final 40%

Project

- After the midterm. We will talk about it again.

- You will design a system with UML diagrams and write a professional report on it.
  - I will also do grading based on the report quality.

Exercises

- Every week I will give exercise questions.
    - I will not **grade** these. You don't have to send me your answers.
    - I advice you to study them, they will be your study guides for the exams.
    - If you try to solve but cannot find the question, you can talk to me about those. However, I will not give the answer sheet to anyone.

Outline

- Software engineering and some important principles

- UML

- High Level System Design

- Distributed systems & Microservices

- Low Level System Design