



## EHB 111E

### Introduction to Electronics and Communication Engineering

Tuesday, 11:30 - 12:30



Assistant Prof. Dr. Mehmet Nuri AKINCI

akincime@itu.edu.tr

web.itu.edu.tr/akincime/

EEF - 2315

Office Hours: Any time by appointment

Please check my website regularly for any update.

**Course Description:** The course aims to give a background about knowledge of engineering (design and conduct experiments, engineering design elements, processes, measurements, product and project design and development) as well as constructing a basis for technical writing and oral presentation for project management & research skills .

#### Course Outline:

1. Introduction
2. Electricity, Charge, Current, Resistance
3. Series and Parallel Resistance, Variable Resistors, Kirchoff's Laws
4. Transistors and Diodes
5. Computer simulation of Electronic Circuits
6. Data & What is Communication?
7. Basics of Analog & Digital Communication
8. Engineering Design and Research Process & Invited Talks by Several Researchers

#### Grade Distribution:

|                  |     |
|------------------|-----|
| Attendance       | 20% |
| Midterm Exam (2) | 25% |
| Final Exam (1)   | 30% |

#### Letter Grade Distribution:

|               |    |               |    |
|---------------|----|---------------|----|
| $\geq 84.50$  | AA | 54.49 - 44.50 | CC |
| 84.49 - 74.50 | BA | 44.49 - 34.50 | DC |
| 74.49 - 64.50 | BB | 34.49 - 29.50 | DD |
| 64.49 - 54.50 | CB | $\leq 29.49$  | FF |

## Course Policies:

- **General**

- Exams are closed book, closed notes. If a formula sheet is required it will be supplied by the instructor.
- **No makeup exams will be given without an official report.**

- **Grades**

- Grades in the **A** range represent work that is **excellent**; Grades in the **B** range represent performance that is **substantially better** than the expectations; Grades in the **C** range represent performance that **meets expectations**.
- Grades will be maintained in the LMS course shell. Students are responsible for tracking their progress by referring to the online gradebook.

- **Attendance and Absences**

- Attendance is not compulsory but encouraged.