Aydın Adnan Menderes University
Department of Electrical and Electronics Engineering
EE 308–MICROPROCESSORS (2022-2023 Fall)

Instructor

Dr. M. Mine ÖZYETKİN

Schedule

Thursday 09:30 - 12:15 (MA212)

Office Hours

Textbook

1. The 8051 Microcontroller and Embedded Systems, Muhammed Ali Mazidi, Janice Cillispie Mazidi, Rolin D. McKinlay, Prentice Hall, 2nd edition.

Reference Books

1. The 8051 Microcontroller, Scott MacKenzie, Raphael C-W Phan, Prentice Hall, 4th edition.
2. 8051 Microcontrollers An Applications-Based Introduction David Calcutt, Fred Cowan,Hassan Parchizadeh, Elsevier.

Grading

Midterm exam	: 30%
Homework and/or Quizzes	: 10%
Final exam	: 70%

Do not forget, to be successful final score must be greater than or equal to 55

Some basic course headlines are listed as follows

I. Introduction to computing

II. The 8051 Microcontrollers

III. 8051 Assembly Language Programming

IV. Branch Instructions

V. I/O Port Programming

VI. 8051 Addressing Modes

VII. Arithmetic-Logic Instructions and Programs

Homeworks

Usually there will be homework for each 2-3 weeks (totally 4-5 homeworks). Homeworks will be theoretical and will include the important outcomes of those weeks. Moreover, they give idea about the exams. The process of actively struggling with an assignment is one of the most important educational experiences that you will have in this course. Your main incentive for consistently doing the assignments should be to enhance your comprehension of the material. It is beneficiary for the student to put some individual work on these. Late homeworks will not be accepted.

Quizzes

Quizzes will be arranged either at the **beginning of some lectures** to cover the previous items or **just after a lecture** to cover the learnt outcomes of that lecture. Duration of a typical quiz will be **5-10 minutes** and include only **one or two question**. There will be no pre-announcement in general, but some quizzes can be announced. **Missed quizzes will be graded as zero and there will be no make-up for that quizzes.**

Expectations

We expect you to make an honest effort to do assignments and submit on time. Also, we expect that the work you submit to us under your name is yours. Interactions of students on the problems are useful and are encouraged, but each person should work on his/her solution. Copying from others is immature, dishonest, and waste of everyone's time.

Attendance is mandatory. A Student has to attend 70% of the lectures in a semester. If a student does not attend more than 30% of the lectures, it fails and it is not permitted to enter the final examination.