**Course information**

***Course name:*** Introduction To Microcomputers

***Instructor:***Dr. Salih FADIL

***Time:*** Monday: 9.00-10.00, 10.00-11.00, 11.00-12.00

Wednesday:9.00-10.00, 10.00-11.00, 11.00-12.00

Friday : 9.00-10.00, 10.00-11.00, 11.00-12.00

***Text Book:*** **1)** PICmicro Mid-Range MCU Family Reference Manual, Microchip Technology inc.

**2)** PIC16F87X Data Sheet, Microchip Technology inc.

**3)** MPASM User’s Guide with MPLINK and MPLIB, Microchip Technology inc.

**4)** MPLAB ICD 2 In-Circuit Debugger User’s Guide, Microchip Technology inc.

**5)** PICDEM 2 Plus, User’s Guide, Microchip Technology inc.

**6)** Microchip web site, http://www.microchip.com

***Exam Schedule:*** Midterm exam weight: 40%,

Final exam weight: 60%

***Attendance:*** Attendance will be taken in each class during the semester. Maximum absentee hours is 0.3x(14x3)=12.6 h 🡪 **13 h. Any student having 14 or more absentee hours is going to take DZ in this class.**

***Content:***

* Introduction To PIC Midrange Microcontrollers
  + - * Oscillators
      * Reset
      * Architecture
      * CPU and ALU
      * Memory Organization
      * Data EEPROM
      * Interrupts
      * I/O Ports
      * Parallel Slave Port (PSP)
      * Timer0
      * Timer1
      * Timer2
      * Compare/Capture/PWM (CCP)
      * USART
      * 10 Bit A/D Converter

Video files for each classes can be reached by

<https://ogrencioguedutr-my.sharepoint.com/:f:/g/personal/salih_fadil_ogrenci_ogu_edu_tr/EsaN2eox6gNCuQR-w162QXUBKFv25wZAP2coMM9Xs1Az4A?e=hlwzQu>