**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](https://ogrencioguedutr-my.sharepoint.com/%3Af%3A/g/personal/salih_fadil_ogrenci_ogu_edu_tr/EsaN2eox6gNCuQR-w162QXUBKFv25wZAP2coMM9Xs1Az4A?e=hlwzQu)