Republic of Iraq
The Ministry of Higher Education
& Scientific Research

University: Mosul
College: Education
Department: Computer Science
Stage: First
Subject: Computer Organization
Lecturer name:

Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		**1-Data Representation** -Numbers -Characters		
2		**2-Computer Architecture** -Processor Architecture - Fetch & Execute		
3		-Busses -Registers		
4		-ALU -Control Unit		
5		-ALU -Control Unit		
6		3- Types of Memory - RAM - ROM		
7		- Flash Memory - Virtual Memory		
8		- Cache Memory		
9		**4- BIOS** - CMOS		
10		**5 -Data Storage** -Hard Disk		
11		-CD-ROM		
12		**6 -Interface** -I/O Devices -Input -Keyboard -Touch Screen		

13		-Mouse -Output -Display -Printer		
14		**7-Data Transmission**		
15		**8- Programming Language** - Machine Language - Assembly Language - High level Language		
16		**9 –Types of Editors** -Translators -Assemblers -Interpreter -Compiler		
Half-year Break				
17		**10-Software Model of the 8088/8086 MP** -8088/8086 Registers -General-purpose Register - Instruction Pointer		
18		-pointer & index Register - Status & Flag Register		
19		**11- Memory Address Space & Data Organization** - Segment Register & Memory Segmentation		
20		- Generating a memory address		
21		- Space(Logical & hysical Address)		
22		**12-Addressing Modes** -Instruction set		
23		- Transfer Instruction - Arithmetic Instruction		
24		- Logical Instruction		
25		**13-Input / Output programming** -Programmed I/O		

26		Interrupt I/O Polling DMA		

Instructor Signature: **Dean Signature:**