weekly lesson schedule

Course Lecturer	**Asst.prof. Dr. Mazin Abdulelah Alawan**
e-mail	**drmazinalwan@sa-uc.edu.iq**
Title	**Architecture and assembly language**
Course Coordinator	**Annual**
Course Objective	Introducing the 8086/8088 PC processor and studying the internal structure
Course Description	Know the different types of register Studying the internal structure of memory and how to deal with memory locations Study paths, vectors, and machine language Study assembly language commands
Textbook	Computer organization and architecture
References	computer architecture

final exam 60	project	daily exams	lab	Semester daily exams
	_	3	5	12

General Notes	

The Republic of Iraq
Ministry of Higher Education
and Scientific Research
Scientific Supervision and
Evaluation Authority

University: Shatt Al-Arab University College
College: Shatt Al-Arab University College
Department: Department of Computer Science
The second stage
Name of the lecturers: Asst.prof. Dr. Mazin Abdulelah Alawan
..Scientific title: Asst.prof

weekly lesson schedule

Week	Date	Topics Covered	Number of Hours	Notes
1	2-10-2022	Processor architecture	2	
2	9-10-2022	Processor software model	2	
3	16-10-2022	memory addressing	2	
4	23-10-2022	registers	2	
5	30-11-2022	Flag register	2	
6	7-11-2022	Memory address generation	2	
7	14-11-2022	memories	2	
8	21-11-2022	Execute the instruction	2	
9	28-12-2022	buses	2	
10	4-12-2022	Introduction to assembly language programming	2	
11	11-12-2022	Directives	2	
12	18-12-2022	Addressing mode	2	
13	25-12-2022	Convert assembly language instruction to machine language	2	
14	2-1-2023	Convert machine language instruction into assembly language	2	

15	28-2-2023	assembly language instructions mov . instruction	2	
16	7-3-2023	Assembly language instructions xchg . instruction	2	
17	14-3-2023	Assembly language instructions push and pop instruction	2	
18	21-3-2023	Assembly language instructions in and out instructions	2	
19	28-3-2023	Assembly language instructions Boolean instructions	2	
20	3-4-2023	Assembly Language Instructions Flip Instruction	2	
21	10-4-2023	Assembly Language Instructions Rotation Instructions	2	
22	17-4-2023	Assembly Language Instructions addition Instruction	2	
23	24-4-2023	Assembly language instructions Subtraction instruction	2	
24	1-5-2023	Assembly Language Instructions Multiplication Instruction	2	
25	8-5-2023	Assembly Language Instructions Division Instruction	2	
26	17-5-2023	Assembly language instructions comparison instruction	2	
27	24-5-2023	Assembly language instructions Unconditional jump instruction	2	
28	31-5-2023	Assembly language instructions modal jump instruction	2	
29	7-6-2023	Assembly language instructions Rotation instruction	2	
30	13-6-2023	Assembly language instructions lahf . instruction	2	

lecturers signature: **Head of Department signature:**