

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Republic of Iraq

The Ministry Of Higher Education
& Scientific Research



University: Baghdad University
College: College of Science for women
Department: Computer Dept.
Stage: Second Stage/ First Semester
Lecturer name: Raja 'a Mureeh
Mohammed

Qualification: Master in Computer
Science

Place of work: College of Science for
women/ Computer Dept.

Syllabus Form

Instructor Name	Raja 'a Mureeh Mohammed				
E-mail	Rajaa007700@yahoo.com				
Course Title	Computer Architecture 1				
Course Coordinator	111CS206				
Course Objectives	This article aims to enable the student to identify the internal structure of the microprocessor, and to identify the method of accomplish CPU functions and how communication with memory addresses in the computer's memory, and get knowledge of the different CPU versions.				
Course Description	<ol style="list-style-type: none">1. Getting the knowledge of the CPU internal structure.2. Understand the assembly instruction and how to program the Intel processor, the other parts related to number representation.3. Knowledge of other devices connected with the microprocessor.				
Textbook	The 8086 and 80888 microprocessor, Avtar singh, 4'th Edition, 2003.				
References	<ol style="list-style-type: none">1- The Intel microprocessor architecture programming and interfacing, Barry B. Brey, 6'th Edition ,2003.2- Advance computer Architecture, Peter Lascuk, 1998.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	15%	5%	-	60%
General Notes					

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Course Weekly Outline

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Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
1		Introduction to microcomputers and microprocessor	Introduction to assembly language	
2		General CPU Architecture	Move instruction	
3		Intel 8085 microprocessor	Arithmetic instruction (add)	
4		Intel 8086 microprocessor	Arithmetic instruction (sub)	
5		Register organization of 8086	practice	
6		8086 instruction set	Arithmetic instruction (mul)	
7		8086 instruction set	Arithmetic instruction (div)	
8		Addressing modes of 8086	practice	
9		Addressing modes of 8086	Reading and writing in assembly language	
10		Instruction cycle in 8086	practice	
11		8086 pin assignment	Control instruction	
12		8086 pin assignment	Control instruction	
13		8086 pin assignment	practice	
14		Instruction format in 8086	practice	
15		Instruction format in 8086	practice	
16		Exam	Exam	

Instructor Signature:

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