Republic of Iraq
The Ministry of Higher Education
& Scientific Research

University: Anbar
College:
Department: Computer Network
Stage: Second
Instructor name
Academic status:
Qualification:
Place of work: University of Anbar

Course Weekly Outline

Course Name: Computer Architecture

Course Instructor	Dr. Omar Munthir Al Okashi				
E-mail	Omar.alokashi@uoanabr.edu.iq				
Title	Ass. Prof				
Course Coordinator					
Course Objective	The purpose of the course is to introduce principles of computer organization and the basic architectural concepts. It begins with basic organization, design, of a simple digital computer and introduces simple register transfer language to specify various computer operations.				
Course Description	This course aims to provide a strong foundation for students to understand the modern eras of computer architecture. The course is structured around different main subject of computer architecture. Those subjects include different parts of computer such as memory, CPU and input output devices.				
Textbook	The essential of computer architecture and organization, ٥th edition, Linda Null				
References	The essential of computer architecture and organization, ٥th edition, Linda Null				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	٣٥	-	٥	-	٦٠
General Notes	-				

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Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
١	٢١-٠٢	Introduction to computer components and historical review		
٢	٢٨-٠٢	Data representation in computer system		
٣	٠٧-٠٣	Error detection and correction		
٤	١٤-٠٣	Boolean algebra and digital logic		
٥	٢١-٠٣	Exam		
٦	٢٨-٠٣	MARIE: an introduction to simple computer		
٧	٠٤-٠٤	Instruction Set Architecture		
٨	١١-٠٤	Memory (١)		
٩	١٨-٠٤	Memory (٢)		
١٠	٢٥-٠٤	Exam		
١١	٠٢-٠٥	Input/output storage system		
١٢	٠٩-٠٥	System Software		
١٣	١٦-٠٥	Performance Measurement and Analysis		
١٤	٢٣-٠٥	Embedded System		
١٥	٣٠-٠٥	Exam		

Course Weekly Outline

Instructor Signature: **Dean Signature:**