Republic of Iraq
The Ministry of Higher Education
& Scientific Research

University: Anbar
College: Computer Science and information technology
Department: Computer Networks
Stage:2nd
Instructor name: Eman Turki Mahdi
Academic status:
Qualification:
Place of work: University of Anbar

Course Weekly Outline

Course Name: Computer Algorithm

Course Instructor	Eman Turki Mahdi
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Title	Computer Algorithms
Course Coordinator	
Course Objective	
Course Description	
Textbook	
References	Introduction to Algorithms Second Edition

Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam

General Notes	-

UNIVERSITY OF ANBAR

Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	1st week	Basic Concepts in Algorithmic Analysis		
2	2nd week	Introduction to Algorithm		
3	3rd week	The Big-O Notation		
4	4th week	Linear Search Problem		
5	5th week	Binary Search Problem		
6	6th week	Sorting & Searching , Goal of Sorting , Sorting Steps		
7	7th week	Bubble Sort		
8	8th week	Quick Sort, Merge Sort		
9	9th week	Exam		
10	10th week	Insertion Sort		
11	11th week	Selection Sort		
12	12th week	Graph Algorithms		
13	13th week	Searching Graphs		
14	14th week	Depth first search		
15	15th week	Exam		

Instructor Signature:
Eman T. Mahdi

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