Republic of Iraq
Ministry of Higher
Education & Scientific
Research

University: Anbar
College: CS & IT
Department: CS
Stage:2nd
Instructor name:
Academic status:
Qualification:
Place of work:

Course Weekly Outline

Course Name: Operating System II

Course Instructor	
E-mail	
Title	
Course Coordinator	
Course Objective	- Acquire practical skills in using and managing operating systems. - Explore advanced topics and emerging trends in operating systems.
Course Description	
Textbook	
References	

Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	30%	15%	5%		50%

General Notes	

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Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		CPU Scheduling and Dispatching		
2		CPU scheduling algorithms (e.g., FCFS, SJF, Round Robin)		
3		Multilevel queue and priority scheduling		
4		Context switching and process dispatching.		
5		Device Management and Drivers		
6		Device management concepts and techniques		
7		Interrupt handling and device allocation		
8		File system organization and data structures		
9		File allocation methods (e.g., contiguous, linked, indexed)		
10		Disk management and file system performance.		
11		Real-time operating systems (RTOS).		
12		Characteristics of real-time systems.		
13		Scheduling algorithms for real-time tasks		
14				
15		Final Exam		

Instructor Signature: **Dean Signature:**