

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Republic of Iraq
The Ministry Of Higher
Education
& Scientific Research



University: Universty of Baghdad
College: College of Science for women
Department: Computer Dept
Stage: Fourth Stage/ Second Semesters
Lecturer name: Mokhtar M Hasan
Academic Status: Lecturer
Qualification: PhD in Computer Science
Place of work: College of Sience for
women/ Computer Dept.

Syllabus Form

Instructor Name	Mokhtar Mohammed Hasan				
E-mail	mokhtarmhasan@yahoo.com , mokhtarmh@cs.w.uobaghdad.edu.iq				
Course Title	Operating Systems				
Course Coordinator	111CS410				
Course Objectives	To understand the basic components of the operations of the OS and start dealing with the algorithms and how to manage some critical situations that may arise during the operations of the user programs, besides the scheduling and synchronization of the operation of the processor as well as the user programs, memory management also are considered here.				
Course Description	The subject consists of 9 chapters, starting with chapter one, the introduction and ending with chapter 9 the main memory management as follows: 1- Chapter 5 Threads 2- Chapter 6 CPU Scheduling 3- Chapter 7 Process Synchronization 4- Chapter 8 Deadlocks 5- Chapter 9 Memory Management				
Textbook	1- Applied Operating System Concepts, Peter Gatrin, 6'th Edition, 2005 2- An introduction to Operating System, Framingham, 1'st edition, 1983 3- Operating System Concept Silber Schatz Galvin, 5'th Edition, 1997				
References	1- Applied Operating system Concepts, Peter Gatrin, 6'th Edition, 2005 2- An introduction to Operating System, Framingham, 1'st edition, 1983 3- Operating System Concept Silber Schatz Galvin, 5'th Edition, 1997				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(20%)	(10%)	(5%)	5%	(60%)

General Notes	
---------------	--

Republic of Iraq
The Ministry Of Higher Education
& Scientific Research



University: University of Baghdad
College: College of Science for women
Department: Computer Dept
Stage: Fourth Stage/ First & Second Semesters
Lecturer name: Mokhtar M Hasan
Academic Status: Lecturer
Qualification: PhD in Computer Science
Place of work: College of Science for women/ Computer Dept.

Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
17	20/2/2016	Chapter 6: CPU Scheduling	Inheritance In Java	
18	27/2/2016	Chapter 6: CPU Scheduling	Access Modifiers in Inheritance	
19	3/3/2016	Chapter 6: CPU Scheduling	Methods and Constructors Inheritance	
20	10/3/2016	Chapter 6: CPU Scheduling	Thread Overview	
21	17/3/2016	Chapter 7: Process Synchronization	Defining Thread Class	
22	24/3/2016	Chapter 7: Process Synchronization	Building First Thread	
23	2/4/2016	Chapter 7: Process Synchronization	Program With Multithreaded	
24	9/4/2016	Chapter 7: Process Synchronization	Changing the Thread Priority	
25	16/4/2016	Chapter 7: Process Synchronization	Join, Sleep and Yield Methods	
26	23/4/2016	Chapter 8: Deadlock Handling	Static Variables and Functions in Threads	
27	30/4/2016	Chapter 8: Deadlock Handling	Synchronization programming	
28	6/5/2016	Chapter 8: Deadlock Handling	Synchronization	

			programming	
29	13/5/2016	exam		
30	20/5/2016	Chapter 9: Memory Management	Synchronization programming	
31	27/5/2016	Chapter 9: Memory Management	Synchronization programming	
32	4/6/2016	Exam		

Instructor Signature:

Dean Signature: