

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/ First 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	<a href="mailto:mokhtarmhasan@yahoo.com">mokhtarmhasan@yahoo.com</a> , <a href="mailto:mokhtarmh@cs.w.uobaghdad.edu.iq">mokhtarmh@cs.w.uobaghdad.edu.iq</a>				
Course Title	Operating Systems				
Course Coordinator	111CS405				
Course Objectives	To understand the basic components of the operating System starting from first platform ending to modern OS going through all the changes that have been done to get what is available nowadays, also to go through different OS algorithms that is used to manage the system in (H/W and S/W) and how can overcome some malfunction errors and turbulences that may occur during its operation, besides knowing the structure of the memory and how organized by it.				
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 1 Introduction 2- Chapter 2 Computer-System Structures 3- Chapter 3 Operating-System Structures 4- Chapter 4 Processes				
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	Topes Covered	Lab. Experiment Assignments	Notes
1	23/9/2015	OS Definition and Generations	Java Overview	
2	30/9/2015	Chapter1: OS overview	Create Application in Java	
3	7/10/2015	Chapter1: OS overview	Read and Write in Java	
4	14/10/2015	Chapter2 : Computer System Operation	Debug first Application	
5	21/10/2015	Chapter2 : Computer System Operation	Access Modifiers in Java	
6	28/10/2015	Chapter2 : Computer System Operation	Access Modifiers in Java	
7	4/11/2015	Chapter 3: OS Structure	Adding/Removing Classes to a Package	
8	11/11/2015	Chapter 3: OS Structure	Defining Methods	
9	18/11/2015	Chapter 3: OS Structure	Building Constructors	
10	25/11/2015	Chapter 3: OS Structure	Overloading Methods	
11	2/12/2015	Chapter 4: Process Management	Overriding Methods	
12	9/12/2015	Chapter 4: Process Management	Overriding Constructors	
13	16/12/2015	Chapter 4: Process Management	Linking the Shared Classes in Different Packages	

14	23/12/2015	Chapter 5: Thread Management	String Class Operations	
15	30/12/2015	Chapter 5: Thread Management	Integer Class Operations	
16	6/11/2016	Exam		

**Instructor Signature:**

**Dean Signature:**