

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Republic of Iraq  
The Ministry Of Higher Education  
& Scientific Research



University: Baghdad  
College: Science for Women  
Department: Computer Science  
Stage: Third  
Lecturer name: Dr. Abbood K  
Jassim  
Qualification: lecture

## Syllabus Form

Instructor Name	Abbood Kirebut Jassim				
E-mail	<a href="mailto:Zmar5151@yahoo.com">Zmar5151@yahoo.com</a>				
Course Title	Software Engineering				
Course Coordinator					
Course Objectives	Enable students to understand, how Software Systems in various fields are build, the stages Software life cycle consist of, and the tool used in each stage of software engineering process.				
Course Description	It Consist of studying software engineering approaches used. The advantage and disadvantage of each approach , studying the stages involved in each approach , the purpose of each stage , the tools and procedures used in each stage.				
Textbook	1-Software Engineering by Ian Sommerville Edition. 2- Software Engineering (Complete Course Book) by Samarjeet Kaur, Sandhir Sharma, P.P. Singh.				
References	1-Software Engineering by Ian Sommerville Edition. 2- Software Engineering (Complete Course Book) by Samarjeet Kaur, Sandhir Sharma, P.P. Singh.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(25%)	As(15%)		-	As(60%)
General Notes					

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Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
17		<b>An Introduction to Software Systems and Software Engineering</b>		
18		<b>1-Software processes</b> <b>1.1-Software process models</b> <b>1.2-Process iteration</b> <b>1.3-Process activities</b>		
19		<b>1-Software processes</b> <b>1.4-The Rational Unified Process</b> <b>1.5-Computer-aided software engineering</b>		
20		<b>1-Project management</b> <b>1.1-Management activities</b> <b>1.2-Project planning</b>		
21		<b>1-Project management</b> <b>1.3-Project scheduling</b> <b>1.4-Risk management</b>		
22		<b>Configuration Management</b> <b>1.1-Configuration management planning</b> <b>1.2-Change management</b> <b>1.3-Version and release management</b>		
23		<b>1-Configuration Management</b> <b>1.4-System building</b> <b>1.5-CASE tools for configuration management</b>		
24		<b>Requirements engineering 1</b> <b>1-Software Requirements</b> <b>1.1-Functional and non-functional requirements</b> <b>1.2-User requirements</b>		
25		<b>Requirements engineering 1</b> <b>1-Software Requirements</b> <b>1.3-System requirements</b> <b>1.4-Interface specification</b> <b>1.5-The software requirements document</b>		
26		<b>Requirements engineering 2</b> <b>1-Requirements Engineering Processes</b> <b>1.1-Feasibility studies</b> <b>1.2-Requirements elicitation and analysis</b>		
27		<b>Requirements engineering 2</b> <b>1.3-Requirements validation</b> <b>1.4-Requirements management</b>		

28		<b>System Modelling</b> <b>1-System Models</b> <b>1.1-Context models</b> <b>1.2-Behavioural models</b>		
29		<b>System Modelling</b> <b>1.3-Data models</b> <b>1.4-Object models</b> <b>1.5-Structured methods</b>		
30		<b>Design</b> <b>1-Architectural Design</b> <b>1.1-Architectural design decision</b> <b>1.2-System organization</b>		
31		<b>Design</b> <b>1.3-Decomposition styles</b> <b>1.4-Control styles</b> <b>1.5-Reference architectures</b>		

**Instructor Signature:**

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