

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Republic of Iraq

The Ministry Of Higher Education  
& Scientific Research



University: University of Baghdad  
College: College of Science for Women  
Department: Computer Deptt.  
Stage: Third Stage/ Second Semester  
Lecturer name: Noor A. Ibraheem  
Qualification: PhD in Computer  
Science  
Place of work: College of Science for  
women/ Computer Dept.

## Syllabus Form

Instructor Name	Noor Adnan Ibraheem				
E-mail	naibraheem@gmail.com				
Course Title	Artificial Intelligence2				
Course Coordinator	111CS310				
Course Objectives	Enable the Students to Understand the AI and its Different Fields and its Importance in Computer Science Problem Solver.				
Course Description	It consists of the following parts: Search Space, Knowledge Representation Techniques in a Computer View.				
Textbook	<ol style="list-style-type: none"><li>1. Artificial Intelligence Structures and Strategies for Complex Problems Solving, Georg F. Luger, 4<sup>th</sup> Edition, Addison Wesley, 2001</li><li>2. Genetic Algorithms in Search and Optimization and Machine Learning, David E. Goldberg, Addison Wesley, 1989</li><li>3. Selected Topics about AI</li></ol>				
References	<ol style="list-style-type: none"><li>4. Artificial Intelligence Structures and Strategies for Complex Problems Solving, Georg F. Luger, 4<sup>th</sup> Edition, Addison Wesley, 2001</li><li>5. Genetic Algorithms in Search and Optimization and Machine Learning, David E. Goldberg, Addison Wesley, 1989</li><li>6. Selected Topics about AI</li></ol>				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(25%)	(10%)	(5%)	-	(60%)
General Notes					



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## Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
1	22-2-2016	Unification	Recursion	
2	29-2-2016	Unification Algorithm (Most General Unifier)	Recursion Example	
3	7-3-2016	Skolemization	Recursion Example	
4	14-3-2016	Clause Normal Form	Defining List in Prolog	
5	21-3-2016	Inference Rules	List Example	
6	28-3-2016	Modus Ponens And Tollens	List Example	
7	4-4-2016	Resolution	String Manipulation	
8	11-4-2016	Resolution In Propositional Logic	String Example - string and List Example	
9	18-4-2016	First exam		
10	25-4-2016	Resolution In Predicates Logic - And / Or Graph	Introduction to Data Base in Prolog	
11	2-5-2016	Production system	Prolog Data Base Example	
12	9-5-2016	Semantic Net	Prolog Data Base Example	
13	16-5-2016	Frames	Project	
14	23-5-2016	Script - planning	Project	
15	30-5-2016	Final exam		
16				
<b>Half – year break</b>				

