

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/ First 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 Intelligence				
Course Coordinator	111CS304				
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	27-9-2015	An Introduction To AI	Introduction to prolog	
2	4-10-2015	AI application in various area	Defining Relationships	
3	11-10-2015	Search Space	Relationships Example	
4	18-10-2015	Search Space Strategies	Relationships Example	
5	25-10-2015	Introduction To Search Space Algorithms	Arithmetic operator	
6	1-11-2015	Depth first Search Algorithm	Logic operator	
7	8-11-2015	Breadth first Search Algorithm	Arithmetic and Logic operator Examples	
8	15-11-2015	Hill Climbing and Best First Search Algorithm	Compound objects with Example	
9	22-11-2015	First exam		
10	29-11-2015	Best first Search Algorithm with Cost (A*)	Cut Predicate (!)	
11	6-12-2015	Introduction To Knowledge Representation	Cut Predicate Example	
12	13-12-2015	Logic Representation	Cut Predicates (!)	
13	20-12-2015	Propositional Logic	Fail Predicates	
14	27-12-2015	Predicate Logic	Fail Predicate Example	
15	3-1-2016	Second exam		
16				
<b>Half – year break</b>				

