

Republic of Iraq

بسم الله الرحمن الرحيم

University: Diyala

College: Science

Department: Computer Sc.

Stage: Third

Lecturer name: Dr. Ziyad Tariq M.

Qualification: Professor

Place of Work: Diyala

university College: Science college

The Ministry of Higher Education &
Scientific Research



Flow up of implementation cell pass play

Course Instructor	Professor Dr. Ziyad Tariq Mustafa				
E-mail	Ziyad1964tariq@yahoo.com				
Title	Knowledge Representation				
Course Coordinator					
Course Objective	The course aims to teach students techniques of representing knowledge				
Course Description	Knowledge Representation, Planning Systems, Understanding, Blackboard Systems, Natural Language Processing(NLP)				
Textbook	George F. Luger "Artificial Intelligence-Structures and strategies for Complex problem Solving " , Sixth Edition ,2009 , Pearson Education /PHI.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(30%)	As(10%)	As(10%)	-	As (50%)
General Notes					

Republic of Iraq

بسم الله الرحمن الرحيم

University: Diyala

College: Science

Department: Computer Sc.

Stage: Third

Lecturer name: Dr. Ziyad Tariq M.

Qualification: Professor

Place of Work: Diyala

university College: Science college

The Ministry of Higher Education &
Scientific Research



Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	28/1/2015	Combining Forward and Backward Strategy		
2	4/2/2015	Knowledge Representation (Production Rules Systems)		
3	11/2/2015	Logic Representation (Propositional Logic & Predicate Logic)		
4	18/2/2015	Resolution		
5	25/2/2015	Clause Form (Conversion of Clause Form Algorithm)		
6	3/3/2015	The Unification Algorithm		
7	10/3/2015	Resolution in Propositional Logic		
8	17/3/2015	Resolution in Predicate Logic		
9	24/3/2015	Semantic Nets		
10	31/3/2015	Conceptual Graph		
11	7/4/2015	Planning, Understanding, Blackboard Systems		
12	14/4/2015	Natural Language Processing (NLP)		
13	28/4/2015	Grammars and Parsers		
14	5/5/2015	<i>Ontologies and ontology engineering</i>		
15	12/5/2015	<i>Conceptual Modeling Common sense and scientific representation.</i>		

Instructor Signature:

Dean Signature: