

Republic of Iraq

بسم الله الرحمن الرحيم

University: Diyala

College: Science

Department: Computer Sc.

Stage: Fourth

Lecturer name: Dr. Ziyad T.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	Prof. Dr. Ziyad Tariq Mustafa Al-Ta'i				
E-mail	Ziyad1964tariq@yahoo.com				
Title	Machine Learning				
Course Coordinator					
Course Objective	The course aims to teach students machine learning in computer science field				
Course Description	Machine Learning, Neural Networks,				
Textbook	(Machine Learning, Tom Mitchell, McGraw Hill Press, 1997). (Fundamentals of Neural Networks: Architecture, Algorithms, and Applications, LaureneFausett, 2002).				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(30%)	As(20%)		-	As (50%)
General Notes					

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Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
1	1/10/2014	Machine Learning Introduction and Models		
2	8/10/2014	Find S Algorithm		
3	15/10/2014	Candidate Elimination Algorithm		
4	22/10/2014	Decision Tree Algorithm and Example		
5	29/10/2014	Biology of Neuron		
6	5/11/2014	Mac clutch Pitts model.		
7	12/11/2014	Activation Function Types		
8	19/11/2014	Feed Forward Neural Network.		
9	26/11/2014	Feed back Neural Network.		
10	3/12/2014	Multiple Layers of Neurons		
11	10/12/2014	Learning and Adaption		
12	17/12/2014	Hebbian Learning Rule		
13	24/12/2014	Perceptron Learning rule		
14	31/12/2014	Delta Learning Rule		
15	7/1/2015	Widrow Hoff Learning Rule		

Instructor Signature:

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