

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	Evolutionary Computing				
Course Coordinator					
Course Objective	The course aims to teach students evolutionary ideas in computer science field				
Course Description					
Textbook	Practical Genetic Algorithms, Randy L. Haupt, 2004).				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(30%)	As(10%)	As(10%)	-	As (50%)
General Notes					

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Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
1	28/1/2015	Evolutionary Computation Introduction		
2	4/2/2015	Biological Evolutionary theory		
3	11/2/2015	Genetic Algorithms Types		
4	18/2/2015	Seeding the population and Encoding		
5	25/2/2015	Selection		
6	3/3/2015	Selection Types		
7	10/3/2015	Statistical techniques		
8	17/3/2015	Crossover		
9	24/3/2015	Crossover Types		
10	31/3/2015	Mutation		
11	7/4/2015	Mutation Types		
12	14/4/2015	Complete Example		
13	28/4/2015	Recommendations on Genetic probabilities		
14	5/5/2015	Solving problems using GAs		
15	12/5/2015	Traveling salesman problem using GA		
16	26/5/2015	8 Queen problem using GA		

Instructor Signature:

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