

Republic of Iraq

بسم الله الرحمن الرحيم

University: Diyala

College: Science

Department: Computer Sc.

Stage: Second

Lecturer name: Naji Mutar

Qualification: Ass.Prof.

Place of Work: Diyala

university College: Science college

The Ministry of Higher Education &
Scientific Research



Flow up of implementation cell pass play

Course Instructor	Ass. Prof Naji Mutar				
E-mail	Naji_alsahab@yahoo.com				
Title	Linear Algebra				
Course Coordinator					
Course Objective	This course teaches students techniques of linear algebra				
Course Description					
Textbook	Kolman I. "Linear algebra and some application", 3 rd edition, John Weily and Sons Inc. 1989.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(40%)		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	<i>System of linear equations</i>		
2	4/2/2015	<i>matrix operations</i>		
3	11/2/2015	<i>determinant</i>		
4	18/2/2015	<i>transpose, and inverse of matrix</i>		
5	25/2/2015	<i>Cofactor expansion</i>		
6	3/3/2015	<i>vector space and sub-space</i>		
7	10/3/2015	<i>linear combination</i>		
8	17/3/2015	<i>Span Bases</i>		
9	24/3/2015	<i>row and column space</i>		
10	31/3/2015	<i>rank and nullity, linear transform</i>		
11	7/4/2015	<i>kernel and range of the linear transform</i>		
12	14/4/2015	<i>matrix of linear transform</i>		
13	28/4/2015	<i>eigenvector and eigenvalues</i>		
14	5/5/2015	<i>diagonalization</i>		
15	12/5/2015	<i>diagonalization of symmetric matrices</i>		

Instructor Signature:

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