



Course Weekly Outline

Course Name: Numerical Analysis

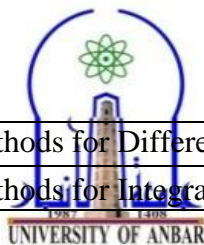
Course Instructor						
E-mail	taiseer.a.yaseen.uoanbar.edu.iq					
Title						
Course Coordinator						
Course Objective						
Course Description	Numerical Analysis for 2 nd Stage					
Textbook	Richard L. Burden and etc." Numerical Analysis ", 9 th edition, 2014					
References						
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam	
	25%	15%	5%	5%	50%	
General Notes	-					



Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Direct methods for solving linear system of equation		
2		Simple Gaussian elimination method, gauss elimination method with partial pivoting,		
3		determinant evaluation, gauss Jordan method,		
4		L U decompositions Doolittle's LU decomposition, Doolittle's method with row interchange		
5		Finding Matrix Inverse		
6		Iterative methods for solving linear systems of equations		
7		Jacobin iteration, gauss – seidel method,		
8		Successive over relaxation method (sort method)		
9		Mid-term Exam		
10		Newton-Raphson Method		
11		Runge-kutta Method		
12				

Republic of Iraq
The Ministry of Higher Education



University: Anbar
College:
Department: Computer network system
Stage: 2nd

13	Scientific Research	Numerical Analysis Methods for Differential Equation	Instructor name	
14		Numerical Analysis Methods for Integral Equation	Academic status:	
15		Final Exam	Qualification:	
			Place of work:	University of Anbar

Instructor Signature:

Dean Signature: