

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Republic of Iraq  
The Ministry Of Higher  
Education  
& Scientific Research



University: University of Baghdad  
College: College of Science for  
Women  
Department: Department of  
mathematic  
Stage: 2<sup>nd</sup> year  
Lecturer name: AWATIF ALI  
Qualification: PhD in mathematic  
Place of work: College of Science for  
Women

## Syllabus Form

Instructor Name	AWATIF ALI				
E-mail	<a href="mailto:Awatif_1955@yahoo.com">Awatif_1955@yahoo.com</a>				
Course Title	Methods of solving different equations				
Course Coordinator					
Course Objectives	Find solution for every equation by used all method				
Course Description	Elementary differential equations by W.E. Boyce 2001.				
Textbook	Methods of solution of differential eq. by K.				
References					
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(35%)	As(15%)	As(10%)	-	As(40%)
General Notes	Type here general notes regarding the course				

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Place of work

### Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
<b>Half – year break</b>				
17	18/2/2016	Equation of first order		
18	25/2/2016	Exact differential eq.		
19	3/3/2016	Linear first order		

20	10/3/2016	Second order eq.		
21	17/3/2016	Equation of two degree		
22	24/3/2016	Application		
23	31/3/2016	Chemical application		
24	7/4/2016	Exam		
25	14/4/2016	Def. of matrices		
26		Determinand, addition of matrices & subtraction		
27	21/4/2016	Multiplication of matrices		
28		The inverse of matrices		
29	28/4/2016	Used matrices for solve the equation by some way		
30	5/5/2016	And application		
31	12/5/2016	Exam		

**Instructor Signature:**

**Dean Signature:**