

Republic of Iraq
The Ministry Of Higher
Education
& Scientific Research

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



University: University of Baghdad
College: College of Science for
Women
Department: Department of
chemistry
Stage: 3rd
Lecturer name:
Qualification: Msc in physical
chemistry
Place of work: College of Science
for Women

Syllabus Form

Course Instructor	Nafeesa Jabbar Kazem				
E-mail	Zena200038@yahoo.com				
Title	Electro chemistry (Phys.Chem-(II))				
Course Coordinator					
Course Objective	A study of Electrochemistry ionic and Electrochemistry Electrodes				
Course Description	Theory of Electrochemistry and application, Electrochemistry Electrodes and application				
Textbook	W.J. Moore "Physical Chemistry" fifth Edition, Longman, 1972.				
Reference	<ol style="list-style-type: none"> 1. D. W. Atkins "Physical Chemistry" sixth edition, oxford, (1998). 2. Mark. L. A. D. D., "Introduction to Physical Chemistry" 3rd ed., Cambridge un press, (1998). 3. A. Daniel "Physical Chemistry" 5th ed. 				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (20%)	As (15%)	As (5%)	-----	As (60%)
General Notes					

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University: University of Baghdad
College: College of Science for Women

Department: Department of chemistry

Lecturer name: Dr. Ahlam Mohammed Farhan & Dr. Souad Abd Mousa

Qualification: PhD in physical chemistry & PhD in physical chemistry

Place of work: College of Science for Women

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				
17	2016/2/23	Faraday's Laws	Ohms Law Application	

18	2016/3/1	Application (konometer)	Cupper Coulometer	
19	2016/3/8	Theory of Conductivity	Determine the molar conductance of weak electrolyte	
20	2016/3/15	Conductivity Measurements	Determine the molar Conductance of strong electrolyte	
21	2016/3/22	Application of cond.	Determine degree and constant of hydrolysis of Aniline hydrochloride	
22	2016/3/29	Mobiles of ion	Acid- Base titration	
23	2016/4/5	Exam1		
24	2016/4/12	Transport numbers	Dissociation potential	
25	2016/4/19	Measurement of transport		
26	2016/4/26	Activity coefficient		
27	2016/5/3	Electro motive force		
28	2016/5/10	Electrical potential		
29	2016/5/17	Types of cell		
30	2016/5/24	Calculation and Application of emf	Titration of two acids weak and strong with strong base	
31	2016/5/31	Exam2		

INSTRUCTOR Signature:

Dean Signature: