

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
chemistry
Lecturer name: Dr. Ekhlass M. Taha
Qualification: Ph.D in Biochemistry
Place of work: College of Science for
Women

Syllabus Form

Instructor Name	Dr. Ekhlass M. Taha				
E-mail	ekhlassch@yahoo.com ikhlasmb_chem@csu.uobaghdad.edu.iq				
Course Title	Biochemistry (second course)				
Course Coordinator					
Course Objectives	1-study the protein, structure and function. 2-Study the basic of DNA, RNA and the protein synthesis. 3-Study the Enzymes; classification and biological importance 4- study the basic of vitamins and hormones				
Course Description					
Textbook	Biochemistry (second edition) Pankaja naik ph. D (2007) Text book of biochemistry (fourth edition) S.P.Singh Ph.D., F.A.C.B.I Principles & applications of inorganic .organic & biological chemistry. Second edition (1997) Robert.L.Caret, Kathering J. Denniston and Joseph J.Topping				
References	Text book of biochemistry with clinical correlations (Seventh edition) (2010) Thomas M. Devlin Lippincott's Illustrated Reviews :Biochemistry 2 nd edi on (1994) . Pamela C .Champe, ph. .D . Rich A. Harvey , Ph.D.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(20%)	As(12%)	As(5%)	3%	As(60%)
General Notes	Type here general notes regarding the course				

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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				
Half – year break				
17	2016/2/22	Amino acids: properties and zwitter ionic	Biuret test	

18	2016/2/29	The peptides of physiological activity	Xanthoproteic test	
19	2016/3/7	Primary, secondary, tertiary, and quaternary structure	Ninhydrin test	
20	2016/3/14	Function and properties of Proteins	Millon's test	
21	2016/3/21	Purification method of proteins	Sakaguchi test	
22	2016/3/28	Determination of amino acid	Unstable sulphur alkali	
23	2016/4/4	Sequence of polypeptide chains	Precipitation of proteins	
24	2016/4/11	Structure and function of enzymes	Heavy metals	
25	2016/4/18	Classification of enzymes and classes	Acids	
26	2016/4/25	The enzyme kinetics and mechanism	Heat and salt sag	
27	2016/5/2	Enzyme action, allosteric, inhibition and activators	Salivary amylase by	
28	2016/5/9	Exam	Exam	
29	2016/5/16	DNA & RNA	Benedict's	
30	2016/5/23	vitamins	The effect of acidic and heat on amylase activity	
31	2016/5/30	Hormones	The effect of rennin on milk	

Instructor Signature:

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