

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
Stage: 4th class
Lecturer name: Assist. Prof.Dr. Fayhaa Muqdad Kahleel
Qualification: Ph.D in Biochemistry
Place of work College of Science for

Syllabus Form

Instructor Name	Assist prof. Dr. Fayhaa Muqdad Kahleel				
E-mail	Fyaha_magdad@yahoo.com				
Course Title	Clinical Biochemistry				
Course Coordinator					
Course Objectives	Teaching Organ function tests and relationship with diseases.				
Course Description	A large number of biochemical test are carried out in the investigation of diseases. Many of them are well associated with the impairment of the function of particular organ.				
Textbook	-*Textbook of Biochemistry(7/edition)2010 -*Biochemistry(2 nd /edition)2007				
References	Thomas M.Devlin Pankaja Naik				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(30%)	As()	As(5%)	5%	As(60%)
General Notes	Type here general notes regarding the course				

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University: University of Baghdad

College: College of Science for Women

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Stage: 3rd class

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Fayhaa Muqdad Kahleel

Qualification: Ph.D in Biochemistry

Place of work: College of Science for Women

Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
1				
2				
3				
4				
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7				
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13				
14				
15				
16				
Half – year break				
17	24/2/2015	Clinical Laboratory Testing – Basic Clinical Chemistry		
18	2/3/2015	Cardiovascular System Blood, Functions of Blood Diagnostic Blood Tests		
19	9/3/2015	Hematopoiesis, Hemoglobin Breakdown, Blood Grouping, Agglutination Reaction.		
20	16/3/2015	Polymerase Chain Reaction (PCR)		
21	23/3/2015	Cardiac Biomarkers: Definitions, Use and Utility CK-MB, Troponin, LDH, Myoglobin		
22	30/3/2015	Immunoassay of biomarkers. <i>polyclonal antibodies monoclonal antibodies</i>		
23	6/4/2015	Enzyme Linked Immunosorbent Assay{		

		<p>ELISA)</p> <p>1- Competitive ELISA</p> <p>2- Sandwich ELISA (also called direct ELISA)</p> <p>3- Indirect ELISA</p>		
24	13/4/2015	Exam		
25	20/4/2015	<p>Organ function tests: Liver function tests, liver functions, classification of liver function tests: tests based on excretory function. Tests based on the detoxification function</p>		
26	27/4/2015	<p>Tests based on synthetic function, Tests based on metabolic function of liver</p>		
27	4/5/2015	<p>Renal function tests: function of the kidney, assessment of renal function. Component parts of the functional unit</p>		
28	11/5/2015	<p>Nephron of the kidney(Glomerulus, Tubule). Tests of glomerular function.(Clearance tests) Tests for tubular function Examination</p>		
29	18/5/2015	<p>Coronary heart disease (CHD), Cardiac markers and lipid profile.</p>		
30	25/5/2015	<i>Fluid, Electrolyte & Acid-Base Balance</i>		
31	26/5/2015	Exam		

Instructor Signature:

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