

بسم الله الرحمن الرحيم

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: Fourth stage
Lecturer name: Bushra faris
Qualification:
Place of work

Syllabus Form

Course Instructor	Bushra faris al thamer				
E-mail	Bushra.faris @yahoo.com				
Title	Metabolism pathways 1				
Course Coordinator					
Course Objective	Carbohydrate metabolism ,lipid metabolism ,electron transport chain ,				
Course Description	This course provides an overview about metabolism of compounds in the body (carbohydrates and lipids) also give an idea about energy generation .				
Textbook	Principle of biochemistry by Lehninger 200 Biochemistry by Segal 2010				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(30)	As(15%)	As(5%)	-	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	7/10/2015	Glycolysis and the catabolism of hexoses	The blood	
2	14/10/2015	Regulation of carbohydrate catabolism .	Collection and handling of blood	
3	21/10/2015	The pentose phosphate pathway	Function of blood clotting process , hemolysis .	
4	28/10/2015	The citric acid cycle.	Blood glucose	
5	4/11/2015	Regulation of TCA cycle	Lipid profile tests(cholesterol)	
6	11/11/2015	Glyconeogenesis and glycogen metabolism .	Exam	
7	18 / 11/ 2015	Exam	Triglycerides	
8	25 /11 /2015	Digestion ,mobilization and mobilization of fatty acids.	Low density lipoprotein (LDL)	
9	2/12 /2015	B-oxidation of fatty acids	Liver function tests (GOT)	
10	9/12/2015	Oxidation of odd fatty acids and un saturated fatty acids	GPT enzyme	
11	16 /12 /2015	Ketone bodies	ALP enzyme	
12	23 /12 /2015	Fatty acid synthesis	Exam	
13	30 /12 2015	Oxidative phosphorylation and ATP synthesis	Total protien	
14	13 /1 /2016	Regulation of fatty acid metabolism	Standard curve	
15	20 /1 /2016	Exam	Unknown	
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Half – year break				
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INSTRUCTOR Signature:

Dean Signature:

Prof . Bushra faris al thamer

Prof. Dr. Ahlam Mohammad Farhan