

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Republic of Iraq
The Ministry Of Higher
Education
& Scientific Research



University: Baghdad
College: science for woman
Department: Chemistry
Stage: fourth
Lecturer name: Dr. Perry Habib Saifullah
Qualification: Professor Assistance
Place of work: College science for
woman

Syllabus Form

Instructor Name	Dr. Perry Habib Saifullah				
E-mail	perryhabibaa@yahoo.com				
Course Title	Biochemistry				
Course Coordinator					
Course Objectives	Metabolism of Nitrogen compounds				
Course Description	<p>-Metabolism is a linked series of chemical reactions within living organisms. These enzyme-catalysed reactions allow the cells to break down fuel molecules to produce energy (catabolism). The energy is then used to build up cell's components (anabolism).</p> <p>-The course describes the types of chemical reactions, the role of enzymes and cofactors and their organisation into metabolic pathways.</p> <p>-The course explains the transformation of foodstuffs into simple oxidized products and energy using basic concept of thermodynamics and bioenergetics.</p> <p>- The course gives several examples of the variability of metabolism between different organs or organisms and the regulatory role of hormones.</p>				
Textbook	Lippincott's Illustrated Reviews: Biochemistry Fifth Edition Richard A. Harvey, PhD, Denise R. Ferrier, PhD, 2011				
References	Harper's Illustrated Biochemistry (29th Edition) 2011				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (20%)	As (14%)	As (6%)	-----	As (60%)

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Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
Half – year break				
17	21/2/2016	Proteins: functions, nutrition facts, OVERALL NITROGEN METABOLISM		
18	28/2/2016	DIGESTION OF DIETARY PROTEINS		
19	6/3/2016	REMOVAL OF NITROGEN FROM AMINO ACIDS		
20	13/3/2016	UREA CYCLE: clinical conditions related		
21	20/3/2016	METABOLISM OF AMMONIA: clinical conditions related		
22	27/3/2016	Amino Acid Degradation and Synthesis: GLUCOGENIC AND KETOGENIC AMINO ACIDS		
23	3/4/2016	CATABOLISM OF THE CARBON SKELETONS OF AMINO ACIDS		
24	10/4/2016	CATABOLISM OF THE CARBON SKELETONS OF AMINO ACIDS: Amino acid metabolism related diseases		
25	17/4/2016	First Exam		
26	24/4/2016	Nucleotide Metabolism		
27	8/5/2016	Nucleotide Metabolism		
28	15/5/2015	Second exam		

Instructor Signature: Perry Habib Saifullah

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