

Baghdad University
College of Dentistry
Department: Basic science
Course title. Bio chemistry
Stage:2nd .year



Course Coordinator: Dr.Eaman AL-Rubae
Academic status: Assist. prof
Qualifications: PH.D of Biochemistry

Course syllabus

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	2+5\10	Enzyme.Definition+terminology	Blood collection	
2	11+12\10	Enz.classification	spectrophotometer	
3	18+19\10	Enz..in clinical diagnosis,inhibition	Stander curve	
4	25+26\10	Kinetic properties of enz	S.protein	
5	1+2\11	Model of enz.enziregulation	B.gulucose	
6	8+9\11	Effect of pH and temp on enzyme activity	s.lipids	
7	15+16\11	Gpt and Got,LDH,isoenzymes	Kidney function test	
8	22+23\11	Vitamins definition and vit A	B.urea	
9	29+30\11	VitD+E,VITK+C	S.creatinine	
10	6+7\12	VITB1+B2+niacin,VITB6+pant+biotin	General urine analysis	
11	13+14\12	Folicacid+VitB12 and growth factor	S.uric acid	
12	20+21\12	Detoxification	.liver fuction test and s.bilirubin	
13	27+28\12	Over view of metabolism		
14	3+4\1	The citric acid cycle		
15	10+11\1	Glycolysis +electron transport system		
Half-year Break				
17		Metabolism of glycogen+Gluconeogenesis	S.GOT&S.GPT	
18		Metabolism of important suger	S .alikaline phosphatase	
19		Oxidative phosphxylation and glucose-6-Dehydrodrogenase deficiency	S.amylase	
20		Protein and A.As metabolism	S.LDH	
21		Urea formation(urea cycle)	S.Ca	
22		Metabolisim of (gly+ala+Asp+glu+pro+lys)	S.Phosphorous	
23		Metabolism of(cyc+met+arg+orn+his)	S.Na.and K	
24		Metabolismof branched chain A.As	CSF	
25		Decarboxylation reaction+metabolic defect		
26		Lipid classes+metabolism+tg synthesis		
27		F.Aegradation+F.Abiosynthesis		
28		Regulation of f.a +cholesterol metabolism		
29		Digestion and absorption+hcl formation		
30		Bile+digestion and absorption of CHO+lip+prtion		

Coordinator Signature:

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