

## كيمياء حياتية نظري

Delivery Plan (Weekly Syllabus)	
Week	Material Covered
Week 1	Definition of the biochemistry , historical brief scope of the biochemistry . correlation
Week 2	Importance of the cell in the study of the biochemistry , Brief deception to the physical
Week 3	Water and reaction degree ( PH)
Week 4	Chemistry of the carbohydrates
Week 5	Amino acids
Week 6	Peptides
Week 7	Lipids ( fatty materials ) and fatty acids
Week 8	Nudeo acids
Week 9	Enzymes , vitamins , coenzymes
Week 10	Bioenergetic ( out lines )
Week 11	Bioenergetic ( out lines )
Week 12	Metabolism of carbohydrates ( brief )
Week 13	Metabolism of carbohydrates ( brief )
Week 14	Metabolism of carbohydrates ( brief )
Week 15	Metabolism of carbohydrates ( brief )

## كيمياء حياتية عملي

Delivery Plan (Weekly Lab. Syllabus)	
week	Material Covered
Week 1	PH , Buffer solution , indicators .
Week 2	Physical Biochemistry colloids , imbibitions , viscosity . adsorption .
Week 3	Reduction of the Benedict solutions Bar focds solution .
Week 4	Reduction of the, mono sacehordes formations of the ozazon fchilink test .
Week 5	Effect of the bases and acids on sacchorides
Week 6	Physical properties of different types of sacchorides
Week 7	Physical properties of fatty material

<b>Week 8</b>	Fat constant's acid number saponification number .
<b>Week 9</b>	iodine No. polenski No. , Acdy no .
<b>Week 10</b>	Testes on the oils .
<b>Week 11</b>	Millons test , sakoguchs test Aldenyde test .
<b>Week 12</b>	Chemical analysis of the material prsteis solubility .
<b>Week 13</b>	Biuret test .
<b>Week 14</b>	Sengers test .
<b>Week 15</b>	Nudeo acids , metabolism of protam , and others .
<b>Week 16</b>	Exam