

منهج فرع الكيمياء الحياتية للمرحلة الثانية ٢٠١٦-٢٠١٧

1-Muskeloskeletal Module:

List of Lectures:

	Lectures:	Lecturer
1	PTH & Calcitonin	Dr. Hashim
2	Bone metabolism	Dr. Hashim

List of Seminars:

	Seminars:	Lecturer
1	Causes of osteoporosis	Dr. lewai

Lists of Practical Topics (2 hours/session):

	Labs	Lecturer
1	Estimation of Calcium and phosphorous	Lecturer Huda

2- Nutrition Module:

List of Lectures:

	Lectures	Lecturer
1	Minerals.	Dr. Hashim
2	Trace elements.	Dr. Hashim
3	Lipid soluble Vitamins I (A and E).	Dr. Yasser
4	Lipid soluble Vitamins II (D and K).	Dr. Yasser
5	Water soluble Vitamins I (B complex).	Dr. Yasser
6	Water soluble Vitamins II (Vitamin C and folate).	Dr. Yasser
7	Digestion & absorption of CHO	Dr. Thaer
8	Metabolism of CHO I	Dr. Thaer
9	Metabolism of CHO II	Dr. Thaer
10	Metabolism of CHO III	Dr. Thaer
11	Digestion and Absorption of proteins	Dr. Hashim
12	Proteins and Amino acids metabolism.	Dr. Hashim
13	Metabolic Defects in amino acids metabolism.	Dr. Hashim
14	Digestion and Absorption of Lipids	Dr. Yasser
15	Lipids metabolism (β - Oxidation).	Dr. Yasser
16	Fatty acids synthesis.	Dr. Yasser
17	Ketogenesis.	Dr. Yasser
18	Cholesterol synthesis.	Dr. Yasser
19	Lipoproteins metabolism.	Dr. Yasser

List of Seminars:

	Seminars	Lecturer
1	Ketoacidosis.	Dr. Yasser

List of Tutorial (1 hour/session):

	Tutorials	Lecturer
1	HMP shunt	Dr. Thaer
2	Lactic acidosis	Dr. Raghad

Lists of Practical Topics (2 hours/session):

No.	Labs	Lecturer
1	Estimation of blood glucose	Lec.Huda
2	Estimation of S. HDL Cholesterol.	Lec.Huda

3-Cardiovascular module:

List of Lectures:

	Lectures	Lecturer
1	Lipid profile	Dr. Yasser Abbas
2	Cardiac enzymes	Dr. Lewai S Abdulaziz

Lists of Practical Topics (2 hours/session):

No.	Labs	Lecturer
1	Serum Troponin	Dr. Tahrir

4- Digestive Module:

List of Lectures:

	Lectures	Lecturer
1	biochemical functions of the liver	Dr. Ikhlas
2	Bilirubin metabolism	Dr. Ikhlas
3	Exocrine pancreatic function & tests	Dr. Ikhlas
4	Bile acid synthesis & enterohepatic circulation	Dr. Ragad

List of Seminars:

	Seminars	Lecturer
1	Liver function tests & Investigations strategy for liver disease.	Dr. Tahrir
2	Jaundice	Dr. Ikhlas

Lists of Practical Topics (2 hours/session):

No.	Labs	Lecturer	Hall NO.
1	S. Aminotransferase	Dr. Tahrir	Biochem. Lab
2	S. Bilirubin	Lec. Huda	Biochem. Lab

5-Respiratory Module:

List of Lectures:

	Lectures	Lecturer
1	Role of lung in acid-base balance.	Dr. Ikhlas
2	Buffers system.	Dr.Ragad

6-Haemopirotic Module:

List of Lectures:

	Lectures	Lecturer
1	Metabolism of hemoglobin	Dr. Ragad
2	Hemoglobinopathy	Dr. Yassir
3	G6PD deficiency	Dr. Lewai
4	Sickle cell anemia, thalassemia	Dr. Yassir

List of Seminars:

No.	Seminars	Lecturer
1	Biochemical tests in Multiple myeloma.	Dr. Ikhlas
2	Gamma globulinopathy	Dr. Tahir

List of Tutorial (1 hour/session):

	Tutorials	Lecturer
1	Porphyria	Dr. Ragad