



Module Description

University of ALKafeel / College of Pharmacy. Academic Year (2020-2021)

Stage:	first
Specialization:	Pharmacy
Name of the Course in Arabic	علم احياء الانسان
Name of the Course in English	Human biology
Goals:	At the end of the course the student should be able to describe the human body composition, body systems structure and function, and human genetics such as the Mendelian inheritance, division of chromosomes, and terms such as allele, locus, homo and heterozygous.
Description	Study the human body composition, types of cell structures, types of tissues, bone, skeleton, joints and muscle as well as the nutrition. Human biology also explains in details the different body systems and human genetics.
Number of Theoretical lectures	2
Number of Practical lectures	2
Credits	3
Name of Instructor in Arabic	م.م. محمد كريم جبار م.م. نور حسون كاظم م.م. نور مهدي حسناوي
Name of Instructor in English	Mohammed kareem jabbar Noor hassoon kadhim Noor Mahdi Hasnawi
Title	مدرس مساعد مدرس مساعد مدرس مساعد
Academic email:	Mohammedkareem@alkafeel.edu.iq noor@alkafeel.edu.iq noor.mahdi@alkafeel.edu.iq
Phone number (WhatsApp)	07806396004 م.م. محمد كريم 07808244693 م.م. نور حسون 07830605059 م.م. نور مهدي

Curriculum / Theoretical:

Week	Syllabus
1	Introduction and basic principles of human biology.
2	Cell: Structure, properties and classification.
3	Tissues: Structures; properties; classification and function.
4	Nutrition.
5	Digestive System (Mouth, Esophagus, Stomach)
6	Digest System (intestine).
7	Circulatory System; Blood.
8	Inflammation.
9	Immunity and the blood. Immunity to disease
10	Excretory System.
11	Human Chromosomes. Chromosomes Variations.
12	Human genetics Semi-Lethal genes.
13	Reproduction system, male and female.
14	Skin.
15	Respiration.
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Curriculum / Practical:

Week	Syllabus
1	The light microscope.
2	The cells: Examination of cells using light microscope.
3	The tissues: Epithelial tissues (simple epithelial tissue).
4	The tissues: Epithelial tissue (simple epithelial tissue).
5	Connective tissue.
6	Muscular tissue: Differentiation between different types of muscles.
7	Nervous tissue.
8	Bone and cartilage.
9	Digestive system (Digestion).
10	Digestive system: Small and large intestine.
11	Blood and blood cells.
12	Cell Division (Mitosis).
13	Cell Division (Meiosis).
14	The Chromosomes: Shape and helical structure.
15	Excretory system.

References :

Main References :

- [1] Johnks and Lnglis (eds.),
- [2] Text Book of Human Biology, (Latest edition).
- [3] Molecular genetics

Secondary References:

- [1] human biology
- [2] guyton
- [3]