

University of Al-Anbar

College of Pharmacy

Department of Clinical Laboratory Sciences

Title of the course: ***Human Biology*** Course number: **111**

Level: 1st Class, 1st Semester

Credit hours: **Theory 3 hours Laboratory 1**

Tutors:

Reference text: ***Johnks and Inglis (eds.), Text Book of Human Biology, (Latest edition).***

Objectives: 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.

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.

No	Lecture title	hours
1.	Introduction and basic principles of human biology.	2
2.	Cell: Structure, properties and classification.	2
3.	Tissues: Structures; properties; classification and function.	4
4.	Nutrition.	3
5.	Digestive System (Mouth, Esophagus, Stomach)	2
6.	Digest System (intestine).	3
7.	Circulatory System; Blood.	4
8.	Inflammation.	2
9.	Immunity and the blood.	2
10.	Immunity to disease.	2
11.	Excretory System.	2
12.	Human Chromosomes.	2
13.	Chromosomes Variations.	2
14.	Human genetics.	3
15.	Semi-Lethal genes.	2
16.	Reproduction system, male and female.	3
17.	Skin.	2
18.	Respiration.	3