

Course Description Form

1. Course Name:	
Human Biology (Theoretical+ Practical)	
2. Course Code:	
Phcls23 113--	
3. Semester / Year:	
1 st Semester/1 st year	
4. Description Preparation Date:	
1/9/2023	
5. Available Attendance Forms: Excel sheet	
Students' signature on attendance sheet	
6. Number of Credit Hours (Total) / Number of Units (Total)	
2 hours Theory + 2 hours Practical/ 3 unites	
7. Course administrator's name	
Theoretical	
Name: Assis. Prof. Dr. Farah Hazem Omer Email: farahomer@uomosul.edu.iq Name: Assistant Prof. Dr. Maruah Hashem Dawood Email: maruadaood@uomosul.edu.iq Name: Assis. Prof. Dr. Mohammed Abdullah Ajeel Email: mohammed91@uomosul.edu.iq	
Practical	
Name: Assis. Prof. Dr. Farah Hazem Omer Email: farahomer@uomosul.edu.iq Name: Assis. Prof. Dr. Maruah Hashem Dawood Email: maruadaood@uomosul.edu.iq Name: Assis. Lec. Atyaf Talal Mahmood Email: alchalabi@uomosul.edu.iq Name: Assis. Lec. Islam Khalid Kamal Email: islam.khalid@uomosul.edu.iq Name: Assis. Lec. Sabah Subhi Ismael Email: barani@uomosul.edu.iq	
8. Course Objectives	
Course Objectives To make the student familiar with the fundamentals of the human body biology.	<ul style="list-style-type: none"> Study the human body considering cell biology, genetics and basic histological structure. . At the end of the course the student should be familiar with the fundamentals of the human body biology.
9. Teaching and Learning Strategies	
Strategy	Lecturing Seminars Homework Quiz Practical laboratory demonstrations, microscopic slides and Lab book catalogue
10. Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2+2	Importance and History of cell biology	Introduction to Human Biology The microscope	Theoretical lectures & practical	Paper-based exams
2	2+2	About The cell	General features of the cells	Theoretical lectures & practical	Paper-based exams
3	2+2	About Structure and function of Nucleus	Structure and function cells	Theoretical lectures & practical	Paper-based exams
4	2+2	About The Endomembrane System (Cell Organelles) Endoplasmic reticulum, Golgi apparatus, Mitochondria, Ribosome	Structure and function cells	Theoretical lectures & practical	Paper-based exams
5	2+2	About the cytoskeleton and Cell Movement Related Parts: Microfilaments, Centrioles, cilia, Cilia and Flagella	The Cytoskeleton	Theoretical lectures & practical	Paper-based exams
6	2+2	About different types of epithelial tissues	Epithelial tissues	Theoretical lectures & practical	Paper-based exams
7	2+2	About different types of Connective tissues	Connective tissue	Theoretical lectures & practical	Paper-based exams
8	Mid-term Exam				
9	2+2	About The methods of passing large and small molecules through cell membranes.	Transport between cells and their surroundings	Theoretical lectures & practical	Paper-based exams
10	2+2	About the structure and function of Bone and cartilage	Bone and cartilage. Excretory system	Theoretical lectures & practical	Paper-based exams
11	2+2	About the structure and function of nervous system and skin	Central nervous system, skin, Respiratory system	Theoretical lectures & practical	Paper-based exams

12	2+2	About Chromosomes and semi lethal genes.	Human genes and Chromosomes	Theoretical lectures & practical	Paper-based exams
13	2+2	About the Macronutrients, Micronutrients, vitamins, and minerals	Nutrition	Theoretical lectures & practical	Paper-based exams
14	2+2	About the innate immunity and acquired immunity	Immunity and the blood, Inflammation.	Theoretical lectures & practical	Paper-based exams

11. Course Evaluation

- 20 M Theoretical assessment; (paper-based mid-term exam + quiz + attendance)
- 20 M practical assessment (attendance + quiz + practice)
- 60 M paper-based theoretical final exam

100 M total

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Text Book of human Biology, 5thed. 2005 By: Johnks and Inglis
Main references (sources)	Human Biology By:Michael Windelspeck 14 th Edition Human Molecular Genetics ByTom Strachan 5 th Edition
Recommended books and references (scientific journals, reports...)	Journal of Cell Biology(JCB)
Electronic References, Websites	د.فرح حازم عمر - YouTube