

**Human Biology  
(Theory) 2021-2022**

Course Title	Human Biology		
Course Code		No. of Credits	3
Department	Medical Laboratory Analysis (MLA)	College	Health Science
Pre-requisites Course Code		Co-requisites Course Code	
Course Coordinator(s)	Dr. Kamal M. Saeed	Office NO.	
Email	<a href="mailto:Kamal.zangana@sulicihan.edu.krd">Kamal.zangana@sulicihan.edu.krd</a>	IP No.	
Other Course Teacher(s)/Tutor(s)			
Class Hours			
Contact Hours	Per your request		
Course Type	Departmental course		
Offer in Academic Year			

**COURSE DESCRIPTION**

Basic human biology is emphasized, and students get a comprehension of the human body in health and disease. Assists kids in dealing with specific health issues. Environmental issues such as the link between sunshine and skin cancer and the ecological implications of biotechnology are discussed. There is no need for dissection. This one-semester course does not meet the prerequisites for advanced biology classes.

**COURSE OBJECTIVE:**

Discuss biology; define the qualities that distinguish living organisms from non-living organisms; and list and briefly describe the characteristics that humans share with other organisms as well as those that are unique to humans. Explain how science is both a human endeavor and a means for identifying truth. Discuss the importance of science in today's society. Introduce the concept of bioethics to the use of humans and animals in scientific research.

This course covers the anatomy and physiology of the human body at an introductory level. It's a general science course for anyone interested in learning about the human body's structure and function, as well as the

vocabulary used to describe and characterize it. It's a wonderful course for health-care consumers to help them comprehend how their own bodies work, as well as diagnoses and treatment options provided by their family physician. The training is intended for dental assistants and medical laboratory technicians.

## COURSE LEARNING OUTCOMES

*On successful completion of this semester the learner will be able to:*

1-	Name the key systems of the human body and describe their general operation and role in maintaining homeostasis, demonstrating a comprehension of the cell as the basic unit of structure and function in the body.
2-	Demonstrate an awareness of the body's energy requirements and how they relate to dietary needs.
3-	Recognize the physiological components of diseases such as cancer, diabetes, heart disease, and stroke.
4-	Integrate healthy living standards and comprehend why they were formed, as well as link individual health concerns to specific system physiology.
5-	Interpret the results of the laboratory in line with the protocol.
6-	Name the key systems of the human body and describe their general operation and role in maintaining homeostasis, demonstrating a comprehension of the cell as the basic unit of structure and function in the body.

## COURSE TEACHING AND LEARNING ACTIVITIES

1. Class Materials (syllabus and handouts) will be available to the students prior to the lecture time.
2. Any other information relevant to the class will be announced to the students via Google classroom.
3. Electronic tools can make classes more efficient.
4. PowerPoint is regularly used to deliver lectures in classroom.
5. Incorporating visual image or brief video into PowerPoint slideshows to make the lectures more interesting.

## COURSE ASSESSMENT TOOLS

Assessment Method	DESCRIPTION	Assessment Weight
Quizzes	Students will take 3 <b>schedule</b> quizzes over the course and the highest <b>2 quiz</b> marks will be counted toward the final grade. Any change in the schedule will be communicated in class as well as via email.	2%
Presentations	Together with two or three partners, you will be asked to give 10-15 minute presentation in class on a selected topic of microbiology. I will encourage students to involve in active learning strategy i.e. students will start to join	

	the teacher to explain the required lecture. You will need to answer questions concerning your presentation and submit questions about presentations given by other students.	<b>1%</b>
<b>Test</b>	During the course schedule, students will take two <b>tests</b> before midterm and final examination. The format for the exams will include multiple-choice questions, matching, fill-in-the-blank and short answers.	<b>2%</b>
<b>Midterm Exam</b>	A midterm exam is an exam given near the middle of an academic grading term, or near the middle of any given semester. The exam is supervised by a committee of faculty members.	<b>25%</b>
<b>Final Exam</b>	Final examination will be held at the end of a course of study. The format for the exams will include multiple-choice questions, matching, fill-in-the-blank and short answers. Exams will focus on materials that were discussed in the weeks immediately preceding the exam.	<b>30%</b>

**ESSENTIAL READINGS: (Journals, textbooks, website addresses etc.)**

Starr and McMillan; Human Biology; Brooks Cole Thompson Learning; Latest edition Starr and McMillan; Laboratory Manual for Human Biology: Brooks Cole; Latest edition

**GUIDELINES FOR SUCCESS**

1. Come prepared for class (bring all materials to class each day).
2. Pay attention and resist distractions.
3. Be on time.
4. Have a good Attitude.
5. No eating or drinking in class (especially during labs).
6. Be in class every day.
7. Form relationships with others in the class.
8. Be open and honest with the instructor about difficulties you may be having.
9. Be consistent in your daily work and effort.
10. Work both independently and in groups of your peers, who can help you understand the course material.

**Course Schedule (2021-2022)**

Week	Lec	TOPICS	Assessments
W1	1	Introduction-A Human Perspective	
W2	2	The properties and chemistry of Life	
W3	3	Human cells and tissues	
W4	4	The Integumentary System	
W5	5	The skeletal System and muscular System	<b>Quiz 1</b>
W6	6	Digestive systems	
W7	7	Blood and Cardiovascular System	

<b>W8</b>	<b>8</b>	Lymphatic system and Endocrine	
<b>W9</b>	<b>9</b>	Respiratory system	<b>Quiz 2</b>
<b>W10</b>	<b>10</b>	Urinary systems	
<b>W11</b>	<b>11</b>	The human cycle	
<b>W12</b>	<b>12</b>	The nervous system and senses	<b>Quiz 3</b>
<b>W13</b>	<b>13</b>	Reproductive System	
<b>W14</b>	<b>14</b>	Revision	