

Academic Program Description Form

Course description

This course description provides a summary of the most important course characteristics and the learning outcomes that the student is expected to achieve, demonstrating whether he or she has made the most of the learning opportunities available, and must be linked to the program description.

1. Educational Institution	Al-Zahrawi University College - Ministry of Higher Education and Scientific Research
2. University Department / Center	Department of Pharmacy -
3. Course Name / Code	Human biology
4. Programs in which it is included	Bachelor of Pharmaceutical Sciences
5. Available Forms of Attendance	Semester/First stage
6. Semester / Year	second semester /First stage
7. Total Number of Study Hours	3 h theory/2h practical
8. Date of preparing this description	16/10/2024
9. Course Objectives:	
1. This specification defines the basic concepts in anthropology and links them to identifying humans and their diseases, as it specifies the structure and function of target cells, whitening processes, cell reproduction, and human inheritance.	
2. A comprehensive study of the body's various systems (system, spasm, labia, reproductive, inflammatory, secretory) and the diseases that may affect these systems.	
1. Learning Outcomes, Teaching and Learning Methods, and Evaluation	

A. Knowledge and Understanding

1- Understand the mechanism of action of drugs on the endocrine system and their use in correcting abnormalities in endocrine functions

2- Identify the side effects of drugs

3- Understand the mechanism of action of drugs on the endocrine system and their use in correcting abnormalities in endocrine functions. In addition, the course will cover drugs used in the treatment of tumors, bone disorders, obesity, and erectile dysfunction. Inflammatory agents and anti-inflammatory drugs will also be covered during this course.

B. Subject-Specific Skills

1-Ability to use laboratory equipment such as a microscope and learn about cell structure

2- Dealing with laboratory animals

3- Using different methods to identify the organs of the human body

Teaching and Learning Methods

Adopting small groups in the practical aspect, while the theoretical aspect is through presenting the problem and discussing to find appropriate solutions

C. Evaluation Methods

Daily written and oral exams, as well as mid-semester and semester written exams. As for practical exams, they are done through conducting laboratory skills exams.

D. Thinking Skills

١ - Accuracy in laboratory work

٢- Honesty at work

٣- Respect for the teaching staff

٤- Good interaction between the students themselves

Teaching and Learning Methods

Using the smart board and displaying pictures and videos that bring the scientific idea closer to the students, as well as presenting a specific problem to the students and finding appropriate solutions for that through discussion with the students.

Evaluation Methods

Oral exams, which show the student's understanding of the scientific material

e. General and Transferable Skills

1- Increasing scientific competence by learning about everything new in pharmaceutical science

2- Relying on modern sources to improve the scientific level

3-Learn about laboratory equipment and dealing with laboratory animals

11. Course Structure					
Weeks	Hours	Required Learning Outcomes	Unit Name / Course or Topic	Learning Methods	Evaluation Method
1	3	Introduction and basic principles of human biology.	- Introduction and basic principles of human biology. - Branches of biology	The use of references and use the smart board	Monthly written examinations and oral examinations
2	4	Cell: Structure, properties and classification.	Cell: Structure, properties and classification. Cell organelles	The use of References and use the smart board	Monthly written examinations and oral examinations
3	3	Tissues: Structures; properties; classification and function.	Tissues: Structures; properties; classification and function. - connective - Epithelial - Muscle - Nervous	The use of references and use the smart board	Monthly written examinations and oral examinations
4	3	Nutrition.	Nutrition. - Fat - Protein - Carbohydrates - Vitamin - Minerals	The use of references and use the smart board	Monthly written examinations and oral examinations
5	3	Digestive System (	Digestive System (Mouth, Esophagus, Stomach)	The use of references and use the smart board	Monthly written examinations and oral examinations
6	3	Digest System (intestine).	Digest System (intestine).	The use of references and use the smart board	Monthly written examinations and oral examinations
7	2	Circulatory System; Blood.	Circulatory System; Blood. - Systemic circulation	The use of references and use the smart board	Monthly written examinations and oral examinations

			- Pulmonary circulation - Blood components(plasma , red blood cells, white blood cells, and platelets)		
8	2	Inflammation.	Inflammation. - Types of inflammation - Inflammatory mediators	The use of references and use the smart board	Monthly written examinations and oral examinations
9	2	Immunity and the blood.	Immunity and the blood. - Human immunity - Cellular immunity	The use of references and use the smart board	Monthly written examinations and oral examinations
10	5	Immunity to disease.	Immunity to disease. - Active immunization - Passiveimmunization	The use of references and use the smart board	Monthly written examinations and oral examinations

12. Infrastructure	
Required Readings:	
	Human Biology by Willy Cushwa
Special Requirements (Workshops, Journals, Software, Websites):	Electronic Websites: ResearchGate
Social Services (Guest Lectures, Professional Training, Field Studies, Others)	Organizing workshops and courses for graduates:

13. Admission:	
Prerequisites	Admission according to the central plan
Minimum Number of Students	/
Maximum Number of Students	Admission exceeds the capacity plan

Name of the Instructor:
Dr. Lafta Fayez Kadhim