



كلية الصيدلة جامعة الزيتونة الأردنية
Faculty of Pharmacy
Al-Zaytoonah University of Jordan

" نحو تعليم صيدلاني متميز "
Toward Excellence in Pharmaceutical
Education

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Al-Zaytoonah University of Jordan
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Faculty of Pharmacy



"Tradition and Quality"

Detailed Course Description - Course Plan Development and Updating Procedures/ Pharmacy Department	QF02/0408-3.0E
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Faculty	Pharmacy	Department	Pharmacy
Course number	201234	Course title	Physiology lab
Number of credit hours	1 hour	Pre-requisite/co-requisite	Anatomy & histology lab + Physiology 2

Brief course description

The Human Physiology Laboratory introduces students to laboratory techniques in the study of physiology and provides demonstrations of processes learned in the Human Physiology 1 and 2 lecture sequence. Laboratory exercises cover a wide range of topics from classic experiments in muscle, nerve, and cardiac physiology to human exercise and ventilation studies.

	Course goals and learning outcomes
Goal 1	Approach and examine issues related to physiology from an evidence-based perspective
Learning outcomes	The student should be able to: 1.1 Explain physiological processes in detail and on an appropriate level 1.2 Identify the parts and functioning of the major organ systems, significant diseases and disorders, medical procedures and medical terminology. 1.3 Analyze experimental data to demonstrate physiological principles.
Goal 2	Demonstrate information literacy skills to access, evaluate, and use resources to stay current in the fields of physiology.
Learning outcomes	The student should be able to: 2.1 Relate concepts in physiology to careers in allied health 2.2 Enable students to develop their critical reasoning skills
Goal 3	Ability to observe phenomena and to record and analyze data
Learning outcomes	The student should be able to: 3.1 Construct graphs from data & obtain information from graphs 3.2 Manipulate equipment 3.3 Solve problems 3.4 Work effectively in a group
Textbook	1- Experiments in physiology 10 th edition, tharp G.D. and woodman D.A.(2011) pearson education,inc. 2- Human physiology:concepts and clinical applications,14 th edition, Stuart I. Fox. (2011) McGraw Hill.
Supplementary references	1.- 1-human physiology, 12 th Edition, Stuart I. Fox. (2011) McGraw Hill.



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Course timeline				
Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1 1 1	Blood physiology I: Erythrocyte function	19	
02	1 1 1	Blood physiology II: leukocytes, Hemostasis	20	
03	1 1 1	Regulation of blood glucose	12	
04	1 1 1	Reproductive physiology	9	
05	1 1 1	Renal physiology	3	
06	1 1 1	Sensory physiology I:Hearing	7	
07	1 1 1	Sensory physiology II: Vision	8	
08	1 1 1	Reflex Function	6	
09	1 1 1	Respiratory system function	18	
10	1 1 1	Human Cardiovascular system function Blood pressure measurement and Electrocardiogram	17	

Theoretical course evaluation methods and weight	First exam 25% Second exam 25% Final exam 50%	Practical (clinical) course evaluation methods	Semester students' work = 50% (Reports, research, quizzes, etc.) Final exam = 50%
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Approved by head of department		Date of approval	
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Extra information (to be updated every semester by corresponding faculty member)

Name of teacher	MSc. Mai Almajawlah	Office Number	417
Phone number (extension)	274	Email	may.almajawleh@zuj.edu.jo
Office hours	Sun (10-2) Mon (10-11) Tue (10-11) Wed(2-4) Thu(10-11)		