



Jerash University
Faculty of pharmacy
Department of pharmaceutical science

Course Syllabus

Course Title: Patho-physiology	Course code: 1101432
Course Level: 3th year	Course prerequisite (s) and/or corequisite (s): 1101232 Physiology II
Lecture Time: 09:00-10:00	Credit hours: 2 hours

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Abdel Hadi Al Jafari	Ass. Prof.	Office (412) Faculty of Pharmacy, Phone (504)	11:00 – 13:00	abdelhadi.aljafari@jpu.edu.jo

Course module description:

1. Build knowledge on the abnormal organic disorders to previously obtained knowledge on physiology and pathology.
2. Understand the basic mechanism of organs disorders.

Course module objectives:

The aim of this course is to introduce the student to the basic mechanisms of diseases, organs affected by the diseases and their relationship with normal physiological and pathological findings which have been studied by students previously (physiology and pathology), and their disorders.

Course/ module components

Text book:

1. **Essentials of patho-physiology: Concepts of altered health state by Carol Mattson Porth. Lippincott Williams & Wilkins (Second edition) 2007). ISBN: 0-7817-7087-4.**

References:

Patho-physiology: concepts and applications for health care professionals by Thomas J Nowak & A Gordon Handford. McGraw Hill, third edition (2004). ISBN 0-07-027255-7.

1. **Basic patho-physiology: An introduction to mechanisms of diseases by Susan A Dilly, Caroline J Finlayson, Ahmet Dogan. Published by Arnold (third edition) 2003. ISBN: 0-340-81001-7**

Learning outcomes:

Understand the mechanisms of diseases in relation to different organs
 Communicate the mechanisms of the disease with the basic lines of treatments

Assessment instruments

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First examination	20 marks
Second examination	20 marks
Final examination: 50 marks	40 marks
Reports, research projects, Quizzes, Home works, Projects	20 marks
Total	100 marks

Course/module academic calendar

week	Basic and support material to be covered	Homework/reports and their due dates
(1)	Fundamentals of Pathphysiology	
(2)	Fundamentals of Pathphysiology	
(3)	Alterations in body defense	
(4)	Common example of Acute Inflammatory Conditions	
(5)	Immunological defense mechanism	
(6)		
First examination		
(7)	Cardiovascular system	
(8)	Cardiovascular system	
(9)	Cardiovascular system	
(10)	Lung Diseases	
(11)		
Second examination		
(12)	Alteration in distribution of body fluid	
(13)	Alteration in GI function	
(14)	Alteration in neuronal function, intra-cranial mass, effect & Meningitis	
(15)	Genetic disorders	
(16)	Final Exam Week	
Final Examination		

Expected workload:

On average students need to spend 2 hours of study and preparation for each 50-minute lecture/tutorial.

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant

college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Module references

Books

Students will be expected to give the same attention to these references as given to the Module textbook.

1. Clinical Applications of Pathophysiology: Assessment, Diagnostic Reasoning, and Management by Valentina L. Brashers Publisher: C.V. Mosby; 2nd edition (November 15, 2001) ISBN: 0323016235
2. Comprehensive Pharmacy Review by Leon Shargel, Paul, Ph.D. Souney, Alan H. Mutnick, Larry Swanson Publisher: Lippincott Williams & Wilkins; 5th edition (October 1, 2003) ISBN: 0781744865
3. Pathophysiology of Disease by Stephen J. McPhee, Vishwanath R. Lingappa, William F. Ganong Publisher: McGraw-Hill/Appleton & Lange; 4th edition (September 24, 2002) ISBN: 0071387641
4. Pathophysiology Made Incredibly Easy! by Springhouse, Michael Shaw Publisher: Lippincott Williams & Wilkins; 2nd edition (February 15, 2002) ISBN: 1582551685.

Journals

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Websites

www.freemedicaljournals.com

www.ahajournals.org

www.oxfordjournals.org