

Ministry of Higher Education and Scientific research



Department of Pharmacy

Paitaxt Technical Institute

Subject: General pathology

Course Book – 2nd year student

Academic Year: 2018/2019

Lecturer in charge: Dr. Sahar Muhammad Zaki

Course Book

1. Course name	General pathology
2. Lecturer in charge	Dr. Sahar Muhammad Zaki
3. Department/ College	Pharmacy/ Paitaxt Institute
4. Contact	Saharabdulla66@yahoo.com
5. Time (in hours) per week	2 hours theoretical
6. Office hours	3 hours
7. Course code	
8. Teacher's academic profile	I'm graduated from Salahaddin Medical College in Hawler and then I worked as a medical doctor in different hospital of Kirkuk city and then worked as general physician in primary health centers and also I have a practice for one year in gynaecology and obstetric department and nine months in pediatric department then I became a director of Kirkuk sector in health directorate from 2004-2006, In 2006 I became a student of master in medical microbiology in medical college / Hawler University and my thesis was in immunity subject and I graduated in 2009 And then I became as manager of scientific researches in Kurdistan council for medical specialist and I was a lecturer in practical microbiology for board students for 2 years In 2012 I became as staff teaching of health Sciences in Medical Microbiology Department and I have many researches on immunological subject
9. Keywords	General pathology, pathogenesis, diseases
10. Course overview:	This course is intended to provide an important information's about General pathology and what is the pathogenesis and what are the main causes of diseases and how the diseases affect our body on the organs and cells and the course of the disease and what is the types of cell injury and the main important aspect is the effect of chemical agents and drugs on the body organs and we will describe cell adaptation and the techniques used in the diagnosis of the diseases.
11. Course objective:	<p>By the end of this course students should be able to:</p> <ul style="list-style-type: none"> • Define the keywords and phrases emphasized in the lectures, course materials, and glossary. • Describe our current understanding of the pathogenesis and the course and outcome of the diseases. • Describe and recognize the major cell and tissue alterations associated with these diseases and how they contribute to organ dysfunction or clinical signs and symptoms.

- Describe how pathological analysis is used to recognize, classify, grade and stage the major types of malignancy.
- Describe how pathological analysis contributes to disease surveillance and the evaluation of therapeutic interventions.

12. Student's obligation

Students are obligated to be prepared for each lecture by reading the relevant reading assignment before class. Students should study the materials and work problems after each lecture as they are meant to reinforce your understanding of the lecture material and the should participate in the lecture by discussion the topics and also to prepare some reports on some topics

13. Forms of teaching

PowerPoint presentation, lecture notes, and white board.

14. Assessment scheme

Two exams during the course period: 20%

Quiz tests and homework: 5%

Final Exam: 60%

15. Student learning outcome:

On successful completion of the course, students will be able:

1. To know the important information's about general pathology
2. To understanding of the diagnostic methods used in pathology
3. To establish the relation between chemical agents and pathological changes
4. To understanding the effect of drugs on the different organs of the body
5. To know the causes and types of neoplasia .

16. Course Reading List and References:

1. . Emanuel Rubin, and John L. Farber, Essential Pathology, Philadelphia, 1990
2. 2. William Boyd; Textbook of Pathology, structure and Function in disease, Philadelphia, 8th edition, 1987
3. 3. James E. Pointer; Alan B. Fletcher; Basic life support, California, 1986
4. 4. F.B. Walter and M.S Israel; General Pathology, Churchill Livingston Edinburgh and London, 4th edition, 1974 5. Macfarlane, Reid, callander, Illustrated Pathology, Churchill Livingstone, 5th edition, 2000.
5. 6. Cotran RS, Kumar V, Collins T.Robins pathologic basis of diseases. Philadelphia, J.B. Saunders Company. 6th edition 1999 7. Muir's Textbook of Pathology 15th edition

17. The Topics:

Lecturer's name

Introduction to pathology, terms, The core aspects of diseases in pathology, causes of disease, course of disease	Week1	Dr. Sahar Muhammad Zaki
Branches of pathology, Divisions of Histopathology	Week2	
Cellular Reactions to Injury	Week3	
Inflammation, acute inflammation	Week4	
Chronic inflammation	Week5	
Healing, definition: Processes of healing, Molecular control of	Week6	

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healing process		
Wound healing, factors and complications	Week7	
Hemodynamic Disorders, edema, Hyperemia& congestion, haemorrhage	Week8	
Shock, DIC	Week9	
THE FIRST EXAME	Week10	
Genetic Diseases , mutations, causes, types	Week11	
Immune disorders, hypersensitivity	Week12	
Autoimmune disorders	Week13	
Immunodeficiency, primary immunodeficiency	Week14	
Secondary immunodeficiency: causes, diagnosis,	Week15	
Rheumatoid atheritis	Week16	
Tuberculosis .	Week17	
Neoplasia	Week18	
Metabolic Diseases and environmental diseases	Week19	
THE SECOND EXAME	Week20	
20. Extra notes:		
21. Peer review Curriculum and course scheduling were peer reviewed.		