



Course specification
2017- 2018
Faculty of Pharmacy
Mansoura University



Fifth level

Course specification of Pathology

University: Mansoura
Faculty : Medicine
Department : Pathology
Course title: General pathology

Program on which the course is given	B. Pharm
Academic Level	fifth Level, second semester
Date of course specification approval	March, 2018

1- Basic Information : Course data :

Course title:	General pathology	Code: MP514	
Specialization:	Medical		
Prerequisite:			
Teaching Hours:	Lecture: 1	Practical: 1	
Number of units: (credit hours)	2		

2- Course Aims:

On completion of the course, the student will be able to recognize different diseases regard pathologic terminology, pathogenesis, diagnosis bases on morphologic changes.

Intended learning outcomes (ILO_s):

a- Knowledge and understanding

a1	Define different pathologic terms (etiology, pathogenesis, gross picture, microscopic, prognosis, complication, biopsy & autopsy).
a2	Recognize & define different forms of cellular and tissue response to stress.
a3	Define inflammation and its pathogenesis and classification with comparison between them.
a4	Define repair & identify its types. Enumerate complication and factors affecting repair.
a5	Define & identify different circulatory diseases.
a6	Define & identify different infectious diseases (tuberculosis, leprosy and bilharziasis).
a7	Identify and classify neoplastic conditions. Compare between benign and malignant tumors. Illustrate steps of carcinogenesis.



b- Intellectual skills

b1	To be able to describe the pathological lesion by naked eye or by the microscope.
b2	Identification and differentiation between different pathological lesions.

c- Professional and practical skills

c1	to be able to describe and identify the pathological lesion by the naked eye
c2	to be able to differentiate lesions from each other and in different organs by naked eye

d- General and transferable skills

d1	Work effectively in team
d2	Communicate effectively in a scientific language.

3- Contents:-

Week No	Topics	No. of hours	Lecture (hr.)	Practical
1.	Introduction to pathology	1	1 hr	
2.	Adaptation, reversible and irreversible cell injury	1	1	
3.	Intra and extracellular accumulation of different substances	1	1	
4.	Classification and pathogenesis of acute inflammation	1	1	
5.	Chronic inflammation	1	1	
6	Pathology of repair	1	1	
7	Week 7 Med-term			
8	Pathology of different circulatory diseases	1	1	
9	Thrombosis and embolism	1	1	
10	Pathology of infectious diseases	1	1	
11	Introduction and classification of neoplasia	1	1	
12	Spread and staging of malignant tumors	1	1	
13	Carcinogenesis	1	1	
14	Revision and open discussion			
15	Week 15 Final written & oral			



**Course specification
2017- 2018
Faculty of Pharmacy
Mansoura University**



	Practical topics			
1	Introduction to pathology	2		1
2	Adaptation and Necrosis	2		1
3	Intra and extracellular accumulation of different substances	2		1
4	Acute inflammatory diseases	2		1
5	Chronic inflammatory diseases	2		1
6	Complication of repair and scar	2		1
7	Mid Term			
8	Infraction, hemorrhage and gangrene.	2		1
9	Thrombosis	2		1
10	Tuberculosis and bilharziasis.	2		1
11	Benign and malignant tumors	2		1
12	Activity/ Revision/ Open discussion	2		1

4- Teaching and learning Methods:

5.1	Lectures using white board and data show.
5.2	Practical session
5.3	Case study

5- Student Assessment:

a- Assessment methods:

1-Written exam	To assess understanding, intellectual, professional
2-Practical exam	To assess professional and practical skills
3-Oral	To assess Knowledge, understanding, intellectual skills, general skills and confidence

b- Assessment schedule

Assessment 1	Practical	13th week
Assessment 3	Mid-term	7th week
Assessment 3	Oral	15th week
Assessment 45	Written	15th week

c- Weighting of assessments

1	Mid-term examination	10 %
----------	-----------------------------	-------------



**Course specification
2017- 2018
Faculty of Pharmacy
Mansoura University**



2	Final-term examination	50 %
3	Oral examination	15 %
4	Practical examination & Semester work	25 %
Total		100%

6 - List of References

N0.	Reference	type
1	Pathological basis of diseases (Robbins and Cotran pathology)	Book
2	Lectures notes prepared by staff members	Course notes

7- Matrix of knowledge and skills of the course

No	Course contents	Study Week	ILOS			
			Knowledge & understanding	Intellectual skills	Professional and practical skills	General & transferable skills
1.	Introduction to pathology	1	a1			d2
2.	Adaptation, reversible and irreversible cell injury	1	a2			d2
3.	Intra and extracellular accumulation of different substances	1	a2			d2
4.	Classification and pathogenesis of acute inflammation	1	a3	b1	c1	
5.	Chronic inflammation	1	a3	b2	c2	d2
6.	Pathology of repair	1	a4	b1, b2	c2	d1,d2
7.	Pathology of different circulatory diseases	1	a5	b1, b2	c2	d1,d2
8.	Thrombosis and embolism	1	a5	b1, b2	c2	d1,d2
9	Pathology of infectious diseases	1	a6	b1, b2	c2	d1,d2
10	Introduction and classification of neoplasia	1	a7	b1, b2	c2	d1,d2
11	Spread and staging of malignant tumors	1	a7	b1, b2	c2	d1,d2
12	Carcinogenesis	1	a7		c2	d1,d2



**Course specification
2017- 2018
Faculty of Pharmacy
Mansoura University**



course Coordinator :	Dr. Azza Abdel-Aziz Ali
	Dr. Dina Abd allah Elnady
Head of department	Khaled Zalata