



Course Syllabus

<u>Course title:</u>	Pathology	<u>Course No:</u>	1201216
<u>Course level:</u>	second year	<u>Course prerequisite (s) and/or co-requisite (s):</u>	1201208
<u>Lecture time:</u>	20:00-21:00	<u>Credit hours:</u>	1 hour

Academic Staff Specifics

<u>Name</u>	<u>Rank</u>	<u>Office Number and location</u>	<u>Office hours</u>	<u>E.mail address</u>
Dr.shadi alkhob	Assistant Professor	0799964616	12:00-13:00	s.alkhob@jpu.edu.jo

Course Description

This course aims to introduce students to the basic concepts of pathology and disorders of the body. It covers a wide variety of diseases and conditions, including but not limited to: acute and chronic cellular injury, neoplasia, and vascular and bone diseases.

Course Objectives

Define the keywords and phrases emphasized in the lectures, course materials, and glossary. Describe our current understanding of the pathogenesis and epidemiology of the common or important diseases discussed in lecture. 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 and Describe how pathological analysis contributes to disease surveillance and the evaluation of therapeutic interventions.



Learning Outcome

Knowledge and understanding, by the end of this course, students should be able to:

1. Cell injury (degeneration & necrosis) causes of cell injury , Mention the differences between reversible and irreversible cell injury. Define necrosis and enumerate its types , List the situations in which apoptosis occurs. Differentiate apoptosis from necrosis
2. Inflammation : Define inflammation and know its purpose , different types of injurious agents of inflammation. Describe the general and local signs of acute inflammation , Define chronic inflammation , Describe the phases of healing
3. Bone and joints : Describe the sequence of gross and microscopic changes in the natural healing process of bone fracture, Describe the pathological differences between osteoporosis and Osteomalacia and complications , List the inflammatory conditions affecting joints .
4. peripheral and CNS : Describe CNS . List their types, causes and effects , Describe the etiology and pathological findings of multiple sclerosis , Describe the pathology of brain abscess
5. Endocrine : List the types of pituitary adenomas and describe the morphology Classify thyroiditis and describe the pathogenesis , complications and morphology of Hashimoto's thyroiditis in particular.
6. Respiratory system : Describe the etiology, pathogenesis and complications of inflammatory and allergic conditions affecting the nose and paranasal sinuses , Describe the pathology of pharyngitis, tonsillitis, and rhinoscleroma and list their complications, Classify pulmonary edema and describe its pathogenesis.
7. bacterial infection: Define toxemia, bacteremia, septicemia and pyemia , Mention the steps in the pathogenesis of pyemia.

Cognitive skills (thinking and analysis):

Interactive learning by participating the student into the lectures content.

Communication skills (personal and academic):

Review concept at office hours

Practical and subject specific skills (Transferable Skills):.

Doing homework and simple reports.



Course Outline and Time schedule

Week	Course Outline
First week	Cell Injury Cell Death
2 nd week	Process Of Inflammation& Acute And Chronic Inflammation
3 rd week	Tissue Repair And Healing & Complications Of Wound Healing
4 th week	Bone And Joint Disorders
5 th week	Peripheral Nerves And Skeletal Muscles Pathology
6 th week	The Central Nervous System Pathology
7 th week	Cardiovascular & Respiratory System Pathology
8 th week	Skin Pathology
9 th week	Hematology Pathology
10 th week	Endocrine Pathology
11 th week	Genetic Pathology
12 th week	Bacterial Infections Terms
13 th week	Pathogenesis Of Tuberculosis
14 th week	Fungal Infections & Parasitic Diseases



Presentation methods and techniques

Methods of teaching varied according to the type of text, student and situation. The following techniques are usually used:

- ❖ Lectures
- ❖ Cooperative learning.
- ❖ Discussion.
- ❖ Learning by activities.
- ❖ Connecting students with different sources of information

Sources of information and Instructional Aids

- ❖ Computer ... power point ...etc.
- ❖ Transparencies
- ❖ Distance learning
- ❖ Library sources

Assessment Strategy and its tools

The assigned syllabus is assessed and evaluated through: feedback and the skills that are acquired by the students

The tools:

- 1- Diagnostic tests to identify the students level and areas of weakness
- 2- Formal (stage) evaluation
 - a) Mid-term exam
 - b) Class Participation
 - c) Activity file



exam

d)

Final



Tool & Evaluation

The following table clarifies the organization of the assessment schedule:

Test	Grade
Mid-term Exam	25
Activities & Participation	25
Final Exam	50
Total	100

Activities and Instructional Assignment

Practical assignments to achieve the syllabus objectives.

Regulations to maintain the teaching-Learning Process in the Lecture:

- 1- Regular attendance online live lectures.
- 2- Respect of commencement and ending of the lecture time.
- 3- Positive relationship between student and teacher.
- 4- Commitment to present assignments on time.
- 5- High commitment during the lecture to avoid any kind of disturbance and distortion.
- 6- High sense of trust and sincerity when referring to any piece of information and to mention the source.
- 7- The student who absents himself should submit an accepted excuse.
- 8- University relevant regulations should be applied in case the student's behavior is not accepted.
- 9- Allowed Absence percentages is (not exceed 15 %.).

References

- ❖ Textbook Of Pathology Harsh Mohan Pathology 6th Edition 2010