



مركز الاعتماد
وَضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Introduction to Histology for medical students

1	Course title	Introduction to Histology
2	Course number	0502111
3	Credit hours (theory, practical)	2 (1 theory , 1 practical)
	Contact hours (theory, practical)	Theory : 1 Practical : 1
4	Prerequisites	Biology
5	Program title	Doctor of Medicine
6	Program code	05
7	Awarding institution	The University Of Jordan
8	Faculty	School of Medicine
9	Department	Anatomy and Histology
10	Level of course	first year
11	Year of study and semester (s)	2016/2017 second semester
12	Final Qualification	Doctor of Medicine
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	1/9/2016

16. Course Coordinator:

Dr. Heba Kalbouneh
 School of Medicine
 Ground floor
 Office number 4
 Tel: 065355000/23480
 Email: heba.kalbouneh@ju.edu.jo , heba.kalbouneh@gmail.com

17. Other instructors:

Mrs. Ihsan Al-Omari (BSc, MSc)

18. Course Description:

Lecture topics and laboratory experiences incorporate the basic topics in microscopic anatomy of the human body. The course deals mainly with basic tissues (epithelium, connective tissue (including: adipose tissue, bone and cartilage), muscles and nerves). In the lectures (1hour/week), the normal microscopic and submicroscopic structure of cells and tissues of the body are described. In Laboratory sessions (2hour/week), you will examine and analyze the materials being studied using both light and electron microscopy micrographs. Students should be able to differentiate the various histological structures from each other. Functional correlations often with some elements of clinical significance are presented throughout the course.

19. Course aims and outcomes**Aims:**

The knowledge that you will derive from this course will extend what you learn in Gross Anatomy. In addition, your study of cells, tissues and organs will correlate with information on their function that you receive in this and other courses. This course will also provide basic knowledge concerning the structure and function of normal cells, tissues and organs, which is a prerequisite for the study of their pathology.

B- Intended Learning Outcomes (ILOs):

Upon successful completion of this course students will be able to ...

1-Describe the detailed structure of the cell organelles under electron microscope and label normal cell structure

2- describe normal cell function

3- identify the organization of normal cells into tissues

4- recognize and differentiate the type of tissue under light microscope of H&E stained slides

5- identify the differential characteristics of cells, tissues, and organs

6- recognize the variations in structure that fall within the normal range

7- explain the relationships of structure and function

8- learn to compare normal with abnormal tissues at the light microscopic level

9- describe the histology of tissue using appropriate medical terminology

10- demonstrate critical thinking skills to describe possible pathologic outcomes of dysfunctional cells and tissues

11- develop communication skills by effective interaction with peers and academic staff

20. Topic Outline and Schedule:

week	Content	Lecturer	outcomes	evaluation	References
1	Microtechniques and microscopy	د. هبة كايونه	<ul style="list-style-type: none"> List Types of Microscopes and their application in medical research. 	<ul style="list-style-type: none"> Continues assessment during lectures Midterm exam (40 marks) Final exam (60 marks: 40 marks Theoretical exam + 20 marks Practical exam) 	<ul style="list-style-type: none"> Basic Histology by Junquiera colour Textbook of Histology By Leslie P. Gartner James L. Hiatt
2	Cytoplasam and nucleus		<ul style="list-style-type: none"> Identify microscopy and Cell Architecture. 		
3	Epithelial tissue and glands		<ul style="list-style-type: none"> Discuss general characters an types of epithelium. Describe the glandular epithelium and its types. 		
4					
5	Connective tissue		<ul style="list-style-type: none"> Discuss general characteristics of C.T. proper. 		
6					
7	Adipose tissue		<ul style="list-style-type: none"> Describe the general characteristics of adipose tissue, its different types and functions. 		
8	Cartilage		<ul style="list-style-type: none"> Identify Histological features of cartilage listing different cartilage cells. 		
9	Bone		<ul style="list-style-type: none"> Discuss the histological features of bone, bone cells and matrix. 		
10					
11	Muscular tissue		<ul style="list-style-type: none"> Identify the three types of muscle tissue under the microscope 		
12					
13	Nervous tissue		<ul style="list-style-type: none"> Identify the types of nerve cells Discuss the organization of 		
14					

15	Integumentary system		nerve fibers.		
			<ul style="list-style-type: none"> Recognize the histological structure and function of the skin and nails. 		

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

Powerpoint presentations

Using animations to illustrate basic histological principles, integrate histological structure with physiological function, and assist students to create mental pictures as they learn.

Histology exercises and quizzes that consist of multiple-choice questions will be available for each module of study.

An online chat session will be available at the end of each course to address questions related to the lectures and laboratory sessions.

Web based resources: <http://www.histologyguide.org/index.html>

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Assessment 1: Midterm Exam 40%

Assessment 2: Final Exam 60% (30% theory, 30% practical)

23. Course Policies:

Attendance policies:

Students are expected to attend all class sessions as listed on the course

calendar. Students are not **allowed** to be **absent** for more than **15%** of the credit hours of the course. All students are required to wear a lab coat during the laboratory session.

B- Absences from exams and handing in assignments on time:

Make-up appeals are considered only for students who provide documentation of a compelling reason for missing the exam.

C- Health and safety procedures:

college Members and students must at all times, conform to Health and Safety rules and procedures.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this class and also integrity in your behavior in and out of the classroom. Students violate this policy would be subjected to disciplinary action according to University of Jordan disciplinary policies

E- Grading policy:

Grade-point average according to grading policy at University of Jordan

F- Available university services that support achievement in the course:

Internet database at the University of Jordan
The University of Jordan library

24. Required equipment:

Electronic computer laboratory

25. References:

Required book (s), assigned reading and audio-visuals:

Junqueira's Basic Histology, Text and Atlas, 14th edition, By Anthony L. Mescher

Recommended books, materials, and media:

Color Textbook of Histology, 4th edition, by [Leslie P. Gartner and James L. Hiatt](#).

Web based resources: <http://www.histologyguide.org/index.html>

26. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: --

----- Head of curriculum committee/Department: -----

Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality
Assurance
Course File