

Course title	General Histology
Course number	0502111
Credit hours (theory, practical)	2 (1 theory, 1 practical)
Faculty	School of Medicine
Department	Anatomy and Histology
Level of course	1st year medical students/Prep Year
Year of study and semester (s)	2018/2019 second semester
Other department (s) involved in teaching the course	None
Language of Instruction	English

Course Coordinator:

Dr. Hanan Jafar

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Course Description:

Lecture topics and laboratory experiences incorporate the basic topics in microscopic anatomy of the human body. The course deals 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. Sets of specimens for each module are available to be examined under the compound microscope. 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.

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.

Intended Learning Outcomes (ILOs):

Upon successful completion of this course, students will be able to:

1. learn basic light microscope setup and use
2. describe the detailed structure of the cell organelles under electron microscope and label normal cell structure
3. describe normal cell function
4. identify the organization of normal cells into tissues
5. recognize and differentiate the type of tissue under light microscope of H&E stained slides
6. identify the differential characteristics of cells, tissues, and organs
7. recognize the variations in structure that fall within the normal range
8. explain the relationships of structure and function
9. learn to compare normal with abnormal tissues at the light microscopic level
10. describe the histology of tissue using appropriate medical terminology
11. demonstrate critical thinking skills to describe possible pathologic outcomes of dysfunctional cells and tissues
12. develop communication skills by effective interaction with peers and academic staff
13. deal with colleagues in an honorable and professional manner

Topic Outline and Schedule:

Week No.	Theory	Practical session 1	Practical session 2
1	Introduction to histology	-----	-----
2	Cell overview	Microscopes and Microtechniques	Microscopes
3	Epithelium 1	Cell overview	Microtechniques 1
4	Epithelium 2	Epithelium 1	Microtechniques 2
5	Epithelium (Glands)	Epithelium 2	Epithelium 1
6	Connective tissue 1	Connective tissue 1	Epithelium 2
7	Connective tissue 2	Connective tissue 2	Connective tissue
8	<i>Midterm exam</i>		
9	Cartilage	Cartilage	-----
10	Bone 1	Bone 1	Cartilage

11	Bone 2	Bone 2	Bone 1
12	Muscular tissue 1	Muscular tissue 1	Bone 2
13	Muscular tissue 2	Muscular tissue 2	Muscular tissue 1
14	Nervous tissue 1	Nervous tissue 1	Muscular tissue 2

Course Policies:

A- Attendance policies:

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

References

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

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

B- 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>