The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	**Histology**
2	Course number	**0334432**
3	**Credit hours (theory, practical)**	**3(2 theory, 3 practical)**
	Contact hours (theory, practical)	**2 theory, 3 practical / week**
4	Prerequisites/corequisites	**General Biology 2 (0304102)**
5	Program title	**Biological**
6	Program code	
7	Awarding institution	
8	Faculty	**Science**
9	Department	**Department of Biological Sciences**
10	Level of course	**400**
11	Year of study and semester (s)	**Summer 2019-2020**
12	Final Qualification	**BSc**
13	Other department (s) involved in teaching the course	
14	Language of Instruction	**English**
15	Date of production/revision	**21.6.2020**

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.
Office numbers :Biology Building 311
office hours: will be decided later
phone numbers: 0776831802
email: zshraideh@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

18. Course Description:

As stated in the approved study plan.

The goals of this course are to:
1 - learn appearance of cells and tissues as viewed in micro slide and to relate these to functions of

organ systems of the vertebrate (human) body
2 - learn nomenclature of cell and tissue structures identified in the lab and
3 - learn to recognize the differences between normal and abnormal tissues associated with specific pathology.

19. Course aims and outcomes:

A- Aims:
This Course aims to introduce undergraduate student to basic concepts of Human Histology, in addition to acquainting them with histological implications in medicine. The theoretical part of course will cover the epithelial, connective muscular and nervous tissues, and the histology of various systems with emphasis on their structure and function. The practical part of this course aims to allow students identify components of different tissues with concentration on how structures are adapted to perform the specific function.

B- Intended Learning Outcomes (ILOs): During learning of this course, students are expected to ……

1. Learn basic concepts of human histology
2. Be acquainted with histological implications in medicine
3. Recognize the histology of different tissues of the human body
4. Understand the structure and function relationship in all human tissues
5. To know the components of different tissues
6. Compare between tissues of control(healthy) and patient persons

C- Student outcomes(SO): Upon successful completion of this course students will be able to …

1. Understand basic concepts of human histology
2. Practice histological implications in medicine
3. Recognize the histology of epithelial, connective muscular and nervous tissues, and the histology of various systems with emphasis on their structure and function.
4. Identify components of different tissues with concentration on how structures are adapted to perform the specific function.

20. Course Outline:

Lecture	Chapter	Lecture Topic	Lap Topic
1-2	1	Histology and its Methods of study Epithelial Tissue: Forms &Characteristics	Preparation of Tissues for Microscopic Examination. Use and Care of the Microscope
3-4	4	Epithelial Tissue (cont'd) Specialization of cell Surface Origin &Function of Epithelial Tissue Epithelial Tissue Types &General Biology of Epithelial Tissue	Epithelial Tissues
5-6	5,6	Connective Tissue: Characteristics Cells of connective Tissue, Origin, function Fibers, Ground Substance and Types of Connective Tissue, Histophysiology	Connective Tissue
7-8	7,8	Cartilage: Characteristics,Origin &Functions Types Perichondrium, Histophysiology & Intervertebral Disks Bone: Characteristics ,Origin&Functions Bone Cells, Matrix,	Cartilage & Bone

		Periosteum and Endosteum, Types of Bone, Histogenesis, Bone Growth and Remodeling. FIRST HOUR EXAM	

Lecture	Chapter	Lecture Topic	Lap Topic
9-10	10	Muscle Tissue: Characteristics Functions, Types, Regeneration. Histophysiology.	Muscle Tissue
11-14	9	Nerve Tissue and the Nervous Systems: Characteristcs, Origin, Function, Glial Cells, Meninges, Neuroglia,Spinal cord, Cerebellum and Cerebrum, Ganglia	Nervous Tissue
15-17	11 & 12	The Circulatory System Characteristics and Types of Vessels Components: General Specific Structures. Heart and blood SECOND HOUR EXAM	Heart, blood vessels
18-19	11 & 14	Lymphatic Vascular System: Characteristics The Lymphoid System:General Features &Function, Types: Lymph nodes Thymus, Spleen & Tonsils	Lymphoid Organs
20-21	15	Digestive Tract I : General and Specific Structures of the digestive Tract. The Oral Cavity Esophagus, Stomach, Small Intestine, Large Intestine, Anus.	Digestive Tract
22-23	16	Organs Associated With the Digestive Tract: Salivary Glands, Pancreas, Liver, Gall bladder.	Organs Associated with the Digestive Tract
24-27	17	The Respiratory System. Nasal Cavity, Paranal Sinuses Nasopharyx, Larynx, Trachea Bronchial Tree, Pulmonary	The Respiratory System

		Pleura.	
28-30	19	The Urinary System: Characteristics, Components, Functions .Ureter, Bladder Urethra.	The Urinary System

Grading System:

- 1st Hr.Exam: 15%.
- 2nd Hr.Exam: 15%.
- Lab Quizes and Reports: 10%
- Mid Term Lab. Exam: 10%
- Final Lab Exam: 15%
- Final Theory Exam: 35%

E. Teaching Methods and Assignments:

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

1. **2 x 1h lectures/ week**
2. **3 h lab/ week**

21. Evaluation Methods and Course Requirements:

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

1. **Midterm theory exam**
2. **Midterm lab exam**
3. **2 lab reports/ quizzes**
4. **Final exam**

22. Course Policies:

A- Attendance policies:
Attendance of lectures and lab sessions is obligatory

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

Not accepted

C- Health and safety procedures:

Strict and are followed up

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Very strong.

E- Grading policy:

65% theory , 35% practical

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

Accepted, but not adequate.

23. Required equipment:

1. Audio-visual aids

2. Data shows and laptops for lectures

24. References:

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

Theory:

Mescher A., L.2013 Junqueira's Basic Histology Text &Atlas 13th Edition. McG Hill LANGE. International Edition, New York etc.

Laboratory:

Eroschenko V.,P. 2013 DiFiore's Atlas of Histology with Functional Correlations. 12th Edition. Wolters Kluwer. Lippincott Williams &Wilkins.

B- Recommended books, materials, and media:

Leslie P. Gartner, James L. Hiatt, Judy M. Strum. 2011 Cell Biology and Histology, 6 th edn. BRS. Wolters Kluwer.

25. Additional information:

Name of Course Coordinator: Prof Dr. Ziad Shraideh Signature: Ziad Shraideh

Date: 21.6.2020

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