



Department of Biology

College of Science

University of Salahaddin

Subject: histology

Course Book: third Class

Lecturer's name: Inaam Ahmad Mustafa

Assist.Prof. (Theory)

Lecturer Dr.Shang Z. Abdulqadir (practical)

Academic Year: 2022/2023

Course Book

1. Course name	Histology
2. Lecturer in charge	Assist Prof Inaam A. Mustafa Lecturer Dr.Shang Z. Abdulqadir
3. Department/ College	Biology/Science
4. Contact	e-mail: inaam.mustafa@su.edu.krd shang.abdulqadir@su.edu.krd (07504665530)
5. Time (in hours) per week	Theory 2hr./week Practical 3hrs/week
6. Office hours	To be return to the schedule on the office door
7. Course code	SBIO
8. Teacher's academic Profile	Inaam A.Mustafa CV: I graduated from SalahaddinUniversity-College of science in 1981. In 1988 I finished my MSc degree at Salahaddin University.

Profile	Lecturer Dr. Shang Z. Abdulqadir CV: B.Sc. in Biology, Biology, University of Salahaddin, College of Sciences, 2005. M.Sc. in Histology and embryology, University of Salahaddin, College of Sciences, 2010. Ph.D. 2019 in cell biology, University of Salahaddin, College of Sciences
9. Keywords	Histology
10. Course overview: This course is designed to explore the appearance, characteristics, location and functions of different cell types, tissues and organs in human and vertebrate body. This exploration is carried out through lecturing, discussion and powerpoints. The lecture and laboratory sections are designed to reinforce each other, although it is not always possible to keep them coordinated.	
11. Course objective: 1. To increase each student's knowledge of basic structures and functions of the tissue and organs. 2. To study some pathological conformational features of the tissues. 3. obtaining more information about different histological techniques especially the stains and dyes. 4. These information will be the basis for future understanding the histological alterations due to toxicant effects.	
12. Student's obligation *Exam policy: Student Should take 3 exams during the course There will be no make-up exams for absences students without medical report. *Classroom polices: 1- Attendance: Students are strongly encouraged to attend class on a regular basis. 2- Lateness: Lateness to class is disruptive 3- Electronic devices: All cell phones are to be turned off at the beginning of class and put away during the entire class. 4-Talking: During class please refrain from side conversations. These can be disruptive to your fellow students and your professor 5- No Disrespectful to both the professor and to your fellow students.	
13. Forms of teaching Face-to-Face (Lectures and PowerPoint)	
14. Assessment scheme	

15. Student learning outcome:

After completion of this course, you will be able to:

- Define common terms used in histology.
- Identify different body cells types with respect to shape, structure and physiological role.
- Deals with the thestudy of the cells and tissues in diseases
- Studying some histological techniques

16. Course Reading List and References:

1. Useful Text books

1. text book of histology by Lesson and Lesson
2. Atlas of human histology

2. Useful internet resources

Different sites of histology in Google websites

Week	Subject
1	The cell
2	Epithelium
3	Connective tissue
4	Specialized connective tissues
5	Muscles
6	Nervous system
7	Monthly Exam
8	Circulatory system
9	The integumentary system
10	The digestive system
11	The major digestive glands
12	2 nd monthly Exam
18. Example of questions	

Sample of examination questions

Questions from

Q1/ Answer by (True) or (false):

Q2/ Fill with suitable answers:

Q3/ Write about two of the following:

Q4/ Mention the function of the following:

Q5/ Draw and label the following



Department of: Biology.

College of: Science.

University of: Salahaddin.

Subject: Practical Histology.

Course Book – (3rd Year)

Lecturer's name: Dr. Shang Z. Abdulqadir

Academic Year: 2022/2023

Course Book

1. Course name	Practical Histology
2. Lecturer in charge	Dr.Shang Z. Abdulqader
3. Department/ College	Biology/ Science
4. Contact	e-mail: Shang.abdulkadir@su.edu.krd
5. Time (in hours) per week	6 hrs./week
6. Teacher's academic profile (Shang Z. Abdulqader)	<ul style="list-style-type: none"> • I graduate from Salahaddin University/ College of Science/ Biology department in 2005. In 2005 I worked as assistant biology for 3 years and assisted in practical animal physiology lab., ecology lab., practical histology and embryology lab., practical molecular lab., and practical plant physiology lab. • In 2010 I completed my M.Sc. degree and in same year I started as Assistant Lecturer Teaching Practical histology and embryology and microtechnique. • In 2015 I started my PhD. • In 2019 I completed my PhD. • I participated in IBRO course for Neuroscience in 2014 in the College of Science/ University of Salahaddin.
7. Keywords	Histology, Epithelial tissue, connective tissue, Muscle and nerve.
8. Course overview:	<p>▪ Histology is the study of tissue biology, the study of structure and function of each tissue type, how those tissues are combined to form the organs and systems of the body, and how those combination functions together.</p> <p>Tissue is groups of cells with similar structural and functional characteristics that function collectively within the multicellular organism.</p> <p>The same four basic tissue types are found in all but the simplest of multicellular animals: nerve, muscle, connective tissue and epithelium.</p> <p>The basic subtypes of all tissue types are found throughout most vertebrates, and are</p>

combined in the same ways to form organs.

9. Course objectives:

- Histology
- Definition
- Epithelial tissue.
- Connective tissue.
- Muscle
- Nerve
- Circulatory system
- Integumentary system
- Digestive system
- Liver
- Endocrine gland
- Exocrine

10. Student's obligation

*Exam policy: Student Should take at least 1 exam during the course.

***lab polices:**

1- Attendance: You are strongly encouraged to attend class on a regular basis, as participation is important to your understanding of the material. You are responsible for obtaining any information you miss due to absence.

2- Lateness: Lateness to class is disruptive.

3- Electronic devices: All cell phones are to be turned off at the beginning of class and put away during the entire class.

4-Talking: During class please refrain from side conversations. These can be disruptive to your fellow students and your professor

5- No Disrespectful to both the teacher and to your colleagues.

6- Weekly Quizzes: every lab you should take quiz

7- Lab coat: you have to wear your lab coat to your protection.

8- Eating and drinking is prohibited inside the lab.

9- You should monitor and records your practical works and results.

11. Forms of teaching

- Course book
- Data show and power point.
Papers for practical work and notes.
- Whiteboard.

12. Assessment scheme:

Exam 1	80% marks
Quizzes and Weekly lab activates	20% marks

<p>13. Course Reading List and References:</p> <ul style="list-style-type: none"> ▪ Useful references: - Johnson, K. A. (1991). Histology and cell biology. 2end edition. McGraw-Hills. - Er. Landsen. S. and Magney J. (1985). Human Histology. A Microfiche Atlas. University of Minnesota Press. - Junqueira, T. and Carneiro, J. (2007). Basic histology. Text and atlas. McGraw-Hills. <p>Magazines and review (internet): Any new related trusted magazine, researches and websites</p>	
<p>14. Practical Topics (If there is any)</p>	
<ol style="list-style-type: none"> 1. Syllabus, references and the important of histology study. 2. Epithelial tissue (simple epithelial tissue). 3. Epithelial tissue (stratified epithelial tissue). 4. Classification of glands. 5. Connective tissue (proper connective tissue and type of fibers). 6. Special connective tissue (cartilage and bone). . 7. muscular tissue. 8. First exam. 9. Nervous tissue. 10. Integumentary system. 11. Circulatory system. 12. Digestive system (oral part). 13. Digestive system (Elementary canal). 14. Digestive system (liver and pancreas). 15. Second exam. 	
<p>15. Examinations:</p> <p>1. test identifying: Example: identify the Slides and samples Diagnosis with related Questions.</p> <p>2. fill the blanks</p> <p>3. write function of the following</p> <p>4. draw and label</p> <p>5. true or false</p>	

Ministry of Higher Education and Scientific research
