TISHK INTERNATIONAL UNIVERSITY
FACULTY OF APPLIED SCIENCE
Department of MEDICAL ANALYSIS,
-2022 Fall
Course Information for MA 217 HISTOLOGY AND HISTOPATHOLOGY

Course Name:	HISTOLOGY AND HISTOPATHOLOGY

Code	Regular Semester	Theoretical	Practical	Credits	ECTS
MA 217	3	2	2	3	4

Name of Lecturer(s)-Academic Title:	Goran Nuri - MSc
Teaching Assistant:	Chnar Akrei
Course Language:	-
Course Type:	Main
Office Hours	Wednesday (8:30-17:00)
Contact Email:	goran.nori@tiu.edu.iq Tel:07500000000
Teacher's academic profile:	Medical microbiology
Course Objectives:	The main goal of this course is to deliver up-to-date knowledge in the fields of histology and histopathology. During which students will learn how to: prepare histological slides, use microscopy, identify different tissues, and recognizing anomalies associated with pathological conditions. This course will also contribute in establishing scientific foundation for students to understand advanced topics in biomedical sciences that, in the future, enable them to enroll in postgraduate studies as well.
Course Description (Course overview):	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.

COURSE CONTENT

Week	Hour	Date	Topic
1	2	4-7/10/2021	Introduction to Histology and Histoapathology
2	2	10-14/10/2021	Epithelial tissue
3	2	17-21/10/2021	Glandular Epithelial Tissues
4	2	24-28/10/2021	Connective tissue
5	2	31/10-4/11/2021	Bone and Cartilage
6	2	7-11/11/2021	Adipose tissue
7	2	14-18/11/2021	Midterm Exam
8	2	21-25/11/2021	Midterm Exam
9	2	28/11-2/12/2021	Muscle tissue
10	2	5-9/12/2021	Nervous tissue
11	2	12-16/12/2021	Cardiovascular system
12	2	19-23/12/2021	Lymphatic system
13	2	26-30/12/2021	Integumentary system
14	2	2-5/1/2022	Digestive system
15	2	9-13/1/2022	Final Exam

16	2	16-20/1/2022	Final Exam

COURSE/STUDENT LEARNING OUTCOMES

1	Understand and recognize basic structures of all body tissues.
2	Learn how to use standard equipment of histopathology laboratories.
3	Learn how to process tissue samples and prepare microscopy slides.
4	Understand how to differential between different tissue types.
5	Uncover histological anomalies in medical specimens.

COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES

(Blank : no contribution, I: Introduction, P: Profecient, A: Advanced)

	Program Learning Outcomes	**Cont.**
1	Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states.	I
2	apply principles of evidence-based medicine to determine clinical diagnoses.	P
3	apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/virology.	P
4	formulate and implement acceptable treatment modalities to various disease states.	P
5	use technology effectively in the delivery of instruction, assessment, and professional development.	I
6	exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct.	P
7	exhibit organizational skills, accountability, and ethical behavior.	A
8	apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment.	P
9	apply problem-solving and decision-making skills.	P
10	apply and promote health policies and regulatory standards in the field career.	P
11	develop research in the field of medical analysis using qualitative and quantitative methods.	P

Prerequisites (Course Reading List and References):	1. Junqueira's Basic Histology TEXT AND ATLAS by Anthony L. Mescher, PhD 2. Inderbir Singh's With Color Atlas and Practical Guide Revised and Edited by NEELAM VASUDEVA MBBS (Eighth Edition) 3. Handbook of Histopathological and Histochemical Techniques (in
Student's obligation (Special Requirements):	Students must attend lectures and Labs in accordance with their time-table, and their absence shouldn't pass the designated limit. Lecturer will upload lectures to TIU offline system so that students can download. Any additional references will be uploaded to TIU by the lecturer whenever it is necessary.
Course Book/Textbook:	Ross, M.H., and Pawlina, W. (2016). Histology: a text and atlas: with correlated cell and molecular biology, 7th Ed. Wolters Kluwer Health.
Other Course Materials/References:	Kumar, V., Abbas, A.K., Aster, J.C., and Robbins, S.L. (2013). Robbins basic pathology, 9th Ed. (Philadelphia, PA: Elsevier/Saunders).
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Seminar, Assignments, , ,

COURSE EVALUATION CRITERIA

Method	**Quantity**	**Percentage (%)**
Attendance	1	5
Quiz	1	10
Homework	1	5
Midterm Exam	1	30
Laboratory	1	10
Final Exam	1	40
Total		**100**

Examinations: True-False, Fill in the Blanks, Multiple Choices, Short Answers, Matching, , ,

Extra Notes:

ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD			
Activities	**Quantity**	**Workload Hours for 1 quantity***	**Total Workload**
Theoretical Hours	16	2	32
Practical Hours	16	2	16
Final Exam	1	8	8
Attendance	1	5	5
Quiz	1	15	15
Homework	1	1	1
Midterm Exam	1	1	1
Laboratory	1	1	1
Total Workload			**79**
ECTS Credit (Total workload/25)			**3.16**

Peer review

Signature:	Signature:	Signature:
Name:	Name:	Name:
Lecturer	Head of Department	Dean