

TOROS ÜNİVERSİTESİ

Vocational School
Medical Laboratory Techniques

Course Information

HISTOLOGY					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
TLT105	Fall	2	2	3	4

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lec. Tiinçe AKSAK
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	To teach histological structure of basic tissues.
Contents of the Course	Histology and histological techniques, Cell, Epithelial tissue, Bond and supporting tissue, Blood tissue, Muscle tissue, Cartilage tissue, Bone tissue, Nerve tissue.

Learning Outcomes of Course

#	Learning Outcomes
1	To learn histological structures of basic tissues.
2	To be knowledgeable about the pathological mechanisms that can occur in our body as a result of learning the normal structure of the tissues.
3	To be more conscious about disease mechanisms by using basic histological knowledge when applying medical profession.
4	To learn how to use a microscope and acquire the ability to recognize and recognize tissues in a microscope.
5	Learn to examine Epitell tissue, Bond and support tissue, Blood tissue preparation
6	Learn to examine muscle tissue, cartilage and bone tissue preparation
7	Learn to examine nerve tissue preparation

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Introduction to Histology and Histological Methods	Lecture, Powerpoint presentation, Question-answer, Laboratory
2	Cell: Structural properties of the cell, cell membrane and cytoplasm	Lecture, Powerpoint presentation, Question-answer, Laboratory
3	Cell: The nucleus, nucleolus and organelles of the cell	Lecture, Powerpoint presentation, Question-answer, Laboratory
4	Cell: Cell skeleton and cell division	Lecture, Powerpoint presentation, Question-answer, Laboratory
5	Tissues: General characteristics of tissues and tissue types	Lecture, Powerpoint presentation, Question-answer, Laboratory
6	Epithelial tissue: general properties and tasks of epithelial tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory
7	Epithelial tissue: The covering is an epidermal and a secretory	Lecture, Powerpoint presentation, Question-answer, Laboratory
8	Mid-term Exam	Questions and answers
9	Connective tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory

10	Connective tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory
11	Blood tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory
12	Cartilage tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory
13	Bone tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory
14	Muscle tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory
15	Nerve tissue	Lecture, Powerpoint presentation, Question-answer, Laboratory
16	Final Exam	Questions and answers

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Responsible teaching staff Course Outline		
2	Akay, T (2008). Genel Histoloji, Yedinci baskı, Palme yayıncılık.		
3	Erdoğan, D., Hatipoğlu, M.T., Görgün, M., Ilgaz, C., (2013). Genel Histoloji, Beşinci Baskı, Hatiboğlu Yayıncılık		
4	Akay, T (2008). Genel Histoloji Atlası, Yedinci baskı, Palme yayıncılık.		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	To learn histological structures of basic tissues.	1,2,5,6,7,9,10,12,13	1,2,3
2	To be knowledgeable about the pathological mechanisms that can occur in our body as a result of learning the normal structure of the tissues.	1,2,5,6,7,9,10,12,13	1,2,3
3	To be more conscious about disease mechanisms by using basic histological knowledge when applying medical profession.	1,2,5,6,7,8,9,10,12,13	1,2,3
4	To learn how to use a microscope and acquire the ability to recognize and recognize tissues in a microscope.	1,2,3,5,6,7,8,9,10,12,13	1,2,3
5	Learn to examine Epitell tissue, Bond and support tissue, Blood tissue preparation	1,2,5,6,7,8,9,10,12,13	1,2,3
6	Learn to examine muscle tissue, cartilage and bone tissue preparation	1,2,5,6,7,8,9,10,12,13	1,2,3
7	Learn to examine nerve tissue preparation	1,2,5,6,7,8,9,10,12,13	1,2,3

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	4	56
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	4	56
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	2	2

8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	1	1	1
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	2	2
16	Final Exam	1	2	2
				120