



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Electron Microscobik Screening of Tissues and Organs							
Course Code		THE626		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	150 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Investigation of the detailed aspects of tissus and organs at the electron microscopy							
Course Content		Investigation of the detailed aspects of tissus and organs at the electron microscopy, learning the process of the things that could be done for this and learning how to interpret them.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	1. Temel Histoloji –Text & Atlas , Luiz Carlo Juqueira Jose Carneiro Çeviri: Prof. Dr. Yener Aytekin Prof Dr. Seyhun Solakoğlu 2009
2	2. Netter Temel Histoloji , William K. Ovale, Patrick C. Nahimey Çeviri:Sevda Müftüoğlu, Figen Kaymaz, Pergin Atilla 2009
3	4. Genel Tıbbi Histoloji, Doç. Dr. Alpaslan Gökçimen 2006
4	5. Histoloji ve Hücre Biyolojisi Patolojiye Giriş , Abraham L. Kierszenbaum Çeviri Editörü: Prof. Dr. Ramazan Demir 2006

Week	Weekly Detailed Course Contents	
1	Theoretical	general knowledge about electron miscoscope
2	Theoretical	general knowledge about electron microscope
3	Theoretical	TEM
4	Theoretical	TEM
5	Theoretical	TEM
6	Theoretical	SEM
7	Theoretical	SEM
8	Intermediate Exam	mid-term exam
9	Theoretical	electron microscobik screening of tissues and organs
10	Theoretical	electron microscobik screening of tissues and organs
11	Theoretical	electron microscobik screening of tissues and organs
12	Theoretical	electron microscobik screening of tissues and organs
13	Theoretical	electron microscobik screening of tissues and organs
15	Theoretical	general overview
16	Final Exam	final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Assignment	14	2	3	70
Reading	10	0	1	10
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	ability to have information about general knowledge about electron microscope
2	ability to have information about TEM
3	ability to have information about SEM
4	ability to have information about TEM and SEM differences
5	ability to have information about electron microscobik screening of tissues and organs

Programme Outcomes (*Histology and Embryology Medical*) *Doctorate*

1	To have basic laboratory skills and attitudes
2	To be a scientist with strong educational background and presentation.
3	To have information about laboratory safety
4	To learn the histology and embryonic development of related organs and systems
5	To know the differences between related organs at the tissue level.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	5	4	3	5	5
P2	4	5	5	4	4
P3	3	3	4	5	5
P4	5	5	2	4	3
P5	4	3	5	5	4

