



AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES
HISTOLOGY AND EMBRYOLOGY
HISTOLOGY AND EMBRYOLOGY (MEDICAL)
HISTOLOGY AND EMBRYOLOGY (MEDICAL) MASTER'S WITHOUT THESIS
COURSE INFORMATION FORM

Course Title	Muscle, Cartilage and Bone Histology								
Course Code	THE504	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	6	Workload	154 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	Learning the histology and function of the Muscle, Cartilage and Bone								
Course Content	To learn the histology and function of muscle, cartilage and bone tissue								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Lec. Kadri Murat GÜRSES								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Histoloji ve hücre biyolojisi: Abraham L. Kierszenbaum
2	Histoloji Konu anlatımlı ve atlas: Michael H. Ross, Wojciech Pawlina
3	Temel Histoloji: Luiz Carlos Junqueira, Jose Carneiro
4	Di Fiore Histoloji Atlası: Victor P. Eroschenko
5	İnsan Embriyolojisi: Keith L. Moore, T.V.N Persaud
6	Medikal Embriyolojisi: T.W.Sadler

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to cartilage tissue.
2	Theoretical	Hyaline cartilage.
3	Theoretical	Fibrous cartilage
4	Theoretical	Elastic Cartilage
5	Theoretical	Article discussion about cartilage tissue
6	Theoretical	Article discussion about cartilage tissue
7	Intermediate Exam	midterm exam
8	Theoretical	Introduction to muscle tissue
9	Theoretical	Striped muscle
10	Theoretical	Heart muscle
11	Theoretical	Smooth muscle
12	Theoretical	Article discussion about muscle tissue
13	Theoretical	Introduction to bone tissue
14	Theoretical	Bone types
15	Theoretical	Bone growth and remodeling. Fracture repair
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	2	2	56



Assignment	14	0	3	42
Total Workload (Hours)				154
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Distinguish cartilage types
2	Distinguish muscle types
3	Distinguish bone types
4	To be able to interpret the studies on muscle cartilage and bone tissues
5	To learn diseases of muscle cartilage and bone tissues

Programme Outcomes (*Histology and Embryology (Medical) Master's Without Thesis*)

1	To have detailed information about cell structure and function at microscopic level
2	To have theoretical and practical knowledge about experimental methods used in histology
3	To know the ethical rules for publishing and presenting a scientific study
4	To have sufficient knowledge about the laboratory methods used in fertilization and assisted reproduction
5	to have enough knowledge about the general characteristics of human embryology

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	4	5	4	4	4
P2	4	3	3	4	3
P3	4	4	3	4	4
P4	3	3	3	3	4
P5	3	4	3	2	4

