



## AYDIN ADNAN MENDERES UNIVERSITY 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 ( <i>Hours</i> )	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)		Assoc. Prof. Erkan GÜMÜŞ							

### 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 Embriyoloji: 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*)

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

