



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Anatomy of Rat and Mouse							
Course Code		VAN641		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Topographic and comparative review of anatomical structures in rat and mouse.							
Course Content		The basic anatomical knowledge about the locomotor, digestive, respiratory, genital, nervous and vessel systems in rat and mouse.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	70

### Recommended or Required Reading

1	ÖCAL, M.K., ERDEN, H., ÖĞÜT, İ., KARA, M.E "Anatomy of the Domestic Animals (General-Skin-Forelimb)." Adnan Menderes University Press No: 5 (1998)
2	NICKEL, R., SHUMMER, A., SEIFERLE, E "The Anatomy of the Domestic Animals Volume I –IV)" Verlag Paul Parey (1986)
3	DYCE, KM., SACK, WO., WENSING, CJG "Textbook of Veterinary Anatomy" W.B. Saunders Company (1987)

Week	Weekly Detailed Course Contents	
1	Theoretical	Biological characteristics of the rat and mouse
	Practice	Visiting the laboratory animals unit
2	Theoretical	Locomotor system in the rat and mouse
	Practice	Studies on the skeleton bones of the rat and mouse
3	Theoretical	Locomotor system in the rat and mouse
	Practice	Dissection of the muscles in the rat and mouse
4	Theoretical	Locomotor system in the rat and mouse
	Practice	Dissection of the joints in the rat and mouse
5	Theoretical	Respiratory system in the rat and mouse
	Practice	Dissection of the structure of the respiratory system in the rat and mouse
6	Theoretical	Circulatory system in the rat and mouse
	Practice	Dissection of the heart and arteries in the rat and mouse
7	Theoretical	Digestive system in the rat and mouse
	Practice	Dissection of the structures of the digestive system in the rat and mouse
8	Theoretical & Practice	Topic repetition (Midterm Exam)
9	Theoretical	Urogenital system in the rat and mouse
	Practice	Dissection of the urinary, male and female genital structures in the rat and mouse
10	Theoretical	Nervous system in the rat and mouse
	Practice	Dissection of the brain and spinal cord in the rat and mouse
11	Theoretical	Nervous system in the rat and mouse
	Practice	Dissection of the spinal and cranial nerves in the rat and mouse
12	Theoretical	Sense organs in the rat and mouse
	Practice	Dissection of the eye in the rat and mouse
13	Theoretical	General surgical approaches of the rat and mouse
	Practice	Topographical approaches of the anatomic structures in the head and pectoral regions in the rat and mouse
14	Theoretical	General surgical approaches of the rat and mouse
	Practice	Topographical approaches of the anatomic structures in the abdominal region in the rat and mouse



15	Final Exam	Final exam
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**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	2	28
Midterm Examination	1	19	1	20
Final Examination	1	36	2	38
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = <b>ECTS</b>				4

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	To make the dissection of the rat and mouse
2	To have the anatomical knowledge about the general approaches of the experimental surgery on the rat and mouse.
3	To distinguish the anatomical differences among the domestic animals and rat and mouse.
4	know nerve and vasculization in headlight and mice.
5	know the skeleton and muscle system in rats and mice.

**Programme Outcomes (Anatomy (Veterinary Medicine) Doctorate)**

1	Doing research in any specific issues related to anatomy, planning a study, evaluating and presenting a report on the scientific area, independently.
2	To be able to improve themselves by innovations of the Anatomy
3	Sharing their concepts in seminar, symposium, conference etc. by using the skills of self study.
4	Having the scientific and vocational wafer and defending this apprehension in every medium
5	To be able to interpret what they have learned in the field of veterinary anatomy

**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	3	4	5
P2	5	5	5	5	4
P3	4	3	4	4	5
P4	5	5	5	5	4

