AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Meninges, Brain Arteries, Veins And Sinuses								
Course Code	TAN642		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	3	Workload	75 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course	Students meninges, brain arteries, veins and sinuses on the knowledge, skills and experience is to gain								
Course Content	Anatomy of meninges, brain artery, vein and sinus								
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	K. Arıncı, A. Elhan, 2 print, Güneş Bookstore, Ankara, 2001, ISBN 9757467286
2	Gökmen F. G. Systematic Anatomy, İzmir Güven Bookstore, 2008.
3	Prometheus Anatomy Atlas, Neuroanatomy Volume:3. Turkish editor; Mehmet Yıldırım, Tania Marur. Erik Schulte Karl Wesker Markus Voll Michael Schünke Udo Schumacher . First Print, Ankara ISBN: 97897564207057.
4	Gray's Anatomy for Faculty of Medicine Students, 1. baskı, Prof. Dr. Mehmet Yıldırım, Güneş Bookstore – Ankara, 2007

Week	Weekly Detailed Course Contents	
1	Theoretical	Meninges, Dura mater (Pachimeninx), dura mater cranialis
	Practice	Work on models and visual materials
	Preparation Work	Individual work
2	Theoretical	Dura mater, the lamina externa endosteal (periosteal portion), the meningeal layer of lamina interna
	Practice	Work on models and visual materials
	Preparation Work	Individual work
3	Theoretical	Spatium epidurale
	Practice	Work on models and visual materials
	Preparation Work	Individual work
4	Theoretical	Nutrition of the brain membrane, the dura mater and the sinuses, veins and passing through the sinus opening to the process; Superior sagittal sinus, inferior sagittal sinus, sinus transversus, the sigmoid sinus, occipital sinus, cavernous sinus, superior and inferior petrosus Sinus Sinus sphenoparietalis. sinus rectus
	Practice	Work on models and visual materials
	Preparation Work	Individual work
5	Theoretical	Spatium subdurale
	Practice	Work on models and visual materials
	Preparation Work	Individual work
6	Theoretical	Falx cerebri, falx cerebelli, tentorium cerebelli, diaphragma cellae, cavum trigminale
	Practice	Work on models and visual materials
	Preparation Work	Individual work
7	Theoretical	Leptomeninx; Arachnoidea mater, pia mater
	Practice	Work on models and visual materials
	Preparation Work	Individual work
8	Theoretical	Leptomeninx; Arachnoidea mater, pia mater
	Practice	Work on models and visual materials
	Preparation Work	Individual work

9	Theoretical	Cisterna chiasmatica, cisterna interpedincularis, Cisterna pontis, cisterna magna, cisterna quadrigeminalis
	Practice	Work on models and visual materials
	Preparation Work	Individual work
10	Theoretical	Spatium subarachnoideum, Villi arachnoidi-granulationes arachnoidi
	Practice	Work on models and visual materials
	Preparation Work	Individual work
11	Theoretical	Arteries supplying the brain, the carotid artery and its branches intern; a. Cerebri anterior, a. Cerebri posterior, a. Cerebri media, a. vertebral, a. basilaris and the Circle of Willis
	Practice	Work on models and visual materials
	Preparation Work	Individual work
12	Theoretical	Arteries supplying the brain, the carotid artery and its branches intern; a. Cerebri anterior, a. Cerebri posterior, a. Cerebri media, a. vertebral, a. basilaris and the Circle of Willis
	Practice	Work on models and visual materials
	Preparation Work	Individual work
13	Theoretical	The superficial and deep veins of the brain, dura mater and the sinuses are opened
	Practice	Work on models and visual materials
	Preparation Work	Individual work
14	Theoretical	The superficial and deep veins of the brain, dura mater and the sinuses are opened
	Practice	Work on models and visual materials
	Preparation Work	Individual work

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	1	42
Lecture - Practice	14	0	2	28
Midterm Examination	1	3	1	4
Final Examination	1	0	1	1
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	The student knows, meninges and the gap between the brain membranes
2	Students know involved in the arterial supply of the brain arteries, and looking
4	Students know venous drainage of the brain and dura mater vein sinuses
5	
6	

Programme Outcomes *(Anatomy (Medical) Doctorate)*

1	Be able to acquire enough knowledge and use of the infrastructure about Human anatomy and clinical anatomy, terminology
2	To use information on the science of anatomy study areas.
3	Anatomy is associated with other related disciplines to comprehend and to synthesize interdisciplinary interaction
4	Obtain the information about Systematic and topographical anatomy of the human-oriented structures, functions and their relationship with each other.
5	Create problems and solutions related fields to reveal the anatomy, experimental methods to gain the ability to solve the hypothesis.
6	Literature search ability, reading scientific papers, be able to evaluation and follow-up-to-date information
7	To be able to prepare the article in the science of anatomy
8	To be able to present papers in the field of science of anatomy
9	To gain enough discipline and experience related to anatomy and tobe an expert
10	To have professional ethics and responsibility

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

	L1	L2	L4	L5	L6
P1	5	4	5	4	5

P2	5	4	5	4	5
P3	5	4	5	4	5
P4	5	4	5	4	5
P5	5	4	5	4	5
P6	5	4	5	4	5
P7	5	4	5	4	5
P8	5	4	5	4	5
P9	5	4	5	4	5
P10	5	4	5	4	5