Course Name	Code	Semester	Theory (hrs/week)	Application (hrs/week)	Laboratory (hrs/week)	ECTS
Anatomy of the Autonomic Nervous System	ANA621	3rd Semester	2	0	2	3
Prerequisites	No					
Course language	Turkish					
Course Type	Imperative					
Learning and teaching techniques of the course	Theoretical Lectures, Discussion and Laboratory Studies					
Course instructor(s)	Prof. Dr. Salih Murat Akkın, Prof. Dr. Özdemir Sevinç					
Course objectives	Comprehension of the anatomy, parts, formations and functions of the autonomic nervous system, which is responsible for the innervation of organs, and the identification of the connection of the autonomic nervous system with the body systems.					
Learning outcomes of the course	1- Autonomic nervous system; Knows the anatomy and the basic anatomical features of the organs that are components of the system. 2- Have knowledge about the functions and roles of the organs that make up the autonomic nervous system in the autonomic innervation of the human body. 3- Can show the organs that make up the autonomic nervous system on anatomy models and define the basic anatomical features of these organs.					
Resources	1- Kaplan Arıncı, Alaittin Elhan. Anatomy, 2 Volumes, Güneş Bookstore, Ankara, 2020. 2- Dogan Taner. Functional Neuroanatomy. METU Publishing, Ankara, 2018. 3- Richard S. Snell. Snell Clinical Neuroanatomy. Mehmet Yildirim (Trans. Ed.). Nobel Medical Bookstores, Istanbul, 2011. 4- Figen Gövsa Gökmen. Systematic Anatomy. İzmir Güven Bookstore, Izmir, 2017. 5- Reha Erzurumlu, Gülgün Şengül, Emel Ulupınar. Neuroanatomy. Güneş Medical Bookstores, Ankara, 2019. 6- Douglas J. Gould. Neuroanatomy. Yasin Arifoğlu (Trans. Ed.). Istanbul Medical Bookstores, Istanbul, 2018. 7- Susan Standring. Grays's Anatomy. The Anatomical Basis of Clinical Practice. 41th ed. Philadelphia, PA: Elsevier; 2015. 8- Johannes W. Rohen, Chihiro Yokochi, Elke Lütjen-Drecoll. Human Anatomy Photo Dissection Atlas. Salih Murat Akkın (Trans. Ed.). Deomed, Istanbul, 2009. 9- Urban & Fischer F. Paulsen, J. Waschke. Sobotta Atlas of Human Anatomy. Süleyman Tuna Karahan (Trans. Ed.). Medipres Publishing, Malatya, 2019. 10- Michael Schünke, Erik Schulte, Udo Schumacher, Markus Voll, Karl Wesker. Prometheus Atlas of Anatomy, 3. skin (head, neck and neuroanatomy). Mehmet Yıldırım, Tanya Marur (Trans. Ed.), Palme Publishing House, Istanbul, 2021.					

Weekly Course Topics:

WEEKS	TOPICS TO BE DISCUSSED
1. Week	General information about the autonomic nervous system
2. Week	General information about the formations of the autonomic nervous system
3. Week	General information about the parts of the autonomic nervous system
4. Week	Sympathetic nervous system I

5. Week	Sympathetic nervous system II
6. Week	Parasympathetic nervous system I
7. Week	Parasympathetic nervous system II
8. Week	**MIDTERM EXAM**
9. Week	Truncus sympathicus
10. Week	Autonomic plexuses
11. Week	Afferent section of the autonomous system
12. Week	Hypothalamus anatomisi
13. Week	Diseases of the autonomic nervous system
14. Week	General repetition
15. Week	**FİNAL SINAVI**

Student Workload Table

Events	Number	Time	Total Workload
Lesson	14	2	28
Laboratory	14	2	28
Application			
Fieldwork			
Out-of-Class Study Time (Freelancing/Group Work/Pre-Study)	14	1	14
Presentation (Shooting videos/Preparing posters/Making Oral Presentations/Focus Group Interviews/Conducting Surveys/Observation and Report Writing)			
Seminar Preparation			
Project			
Case Study			
Role Playing, Dramatizing			
Writing an article-Criticizing			
Mid-term exams	1	2	2
Final exams	1	3	3
Total workload (hours) / 25(s)	75/25		
Ders ACT	**3**		

Evaluation System

Semester Studies	**Number**	**Contribution**
Midterm Exam	1	%20
Quiz		
Laboratory	1	%20
Application		
Fieldwork		
Course-Specific Internship (If Available)		
Assignments		

Presentation and Seminar		
Projects		
Other		
Total of Semester Studies		%40
Final Work		
Finale	1	%60
Homework		
Application		
Laboratory		
Total of Final Studies		%60
The Contribution of Semester Studies to the Success Grade		%40
The Contribution of the Final Exam to the Success Grade		%60
Sum of Success Grade		**100**

THE RELATIONSHIP BETWEEN COURSE LEARNING OUTCOMES AND PROGRAM COMPETENCIES

No	**Program Qualifications**	**Learning Outcomes**		
		ÖÇ1	**ÖÇ2**	**ÖÇ3**
1	Knows the basic structure, functions and working mechanisms of organs and systems and can explain each system in detail.	5	5	4
2	Describe the basic microanatomical structures and developmental processes of tissues, organs and systems in the human body.			
3	Knows the topographic layouts, surface projections and courses of organs and formations.	4		5
4	It alone can dissect different parts of cadavers, identify organs and other structures.	5		5
5	Radiography can describe normal anatomical structures in MRI and CT images and provide anatomical explanation for pathological conditions.			
6	Can establish, solve and develop hypotheses about anatomy by using anatomy knowledge at a high level.			
7	Can design, implement, conclude and manage an original research process related to anatomy by using appropriate technologies.			
8	Present and publish the results of academic studies in the field of anatomy in reputable domestic and international academic environments.			
9	Observes and teaches social, scientific and ethical values in the stages of collecting, recording, interpreting and announcing data related to the field of anatomy.			
Qualification level: 1: Low, 2: Low/Medium, 3: Medium, 4: High, 5: Excellent				