Course Name	Code	Semester	Theory (hrs/week)	Application (hrs/week)	Laboratory (hrs/week)	ECTS
Anatomy of the Spinal Nerves	ANA620	2nd 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	To have basic information about the spinal nerves that make up the peripheral nervous system, to examine the anatomical structure and functions of the spinal nerves and to gain the knowledge of clinical anatomy that will form the basis for clinical situations related to peripheral nerves.					
Learning outcomes of the course	1- Know what the concept of peripheral nerve is. 2- Have knowledge about ganglia, nerve terminations and receptor concept in the peripheral nervous system. 3- Comprehend the anatomical structure and functions of spinal nerves. 4- Knows the concepts of plexus cervicalis, plexus brachialis and plexus lumbosacralis and the peripheral nerves that separate from these plexuses.					
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	Introduction to the peripheral nervous system and general information
2. Week	Peripheral nervous system elements: types of nerve fibers, ganglia and receptors
3. Week	Nervi spinales: organization of spinal nerves and the concept of the plexus
4. Week	Plexus cervicalis branching pattern and functions I

5. Week	Plexus cervicalis branching pattern and functions II
6. Week	Plexus brachialis branching pattern and functions I
7. Week	Plexus brachialis branching pattern and functions II
8. Week	**MIDTERM EXAM**
9. Week	Nervi thoracici
10. Week	Plexus lumbalis branching pattern and functions I
11. Week	Plexus lumbalis branching pattern and functions II
12. Week	Plexus sacralis branching pattern and its functions I
13. Week	Plexus sacralis branching pattern and functions II
14. Week	Clinical significance of spinal nerves
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	%40
Quiz		
Laboratory		
Application		
Fieldwork		
Course-Specific Internship (If Available)		
Assignments		
Presentation and Seminar		

Projects		
Other		
Total of Semester Studies		%40
Final Work		
Finale	1	%40
Homework		
Application		
Laboratory	1	%20
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**	**ÖÇ4**
1	Knows the basic structure, functions and working mechanisms of organs and systems and can explain each system in detail.	5	5	4	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.		5		4
4	It alone can dissect different parts of cadavers, identify organs and other structures.	5	5	3	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					