Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Clinical Anatomy of Lower and Upper Extremities	ANA607	3. Semester	2	0	0	3
Prerequisites	None					
Course Language	Turkish					
Course Type	Compulsory					
Teaching Methods	Theoretical Lectures, Discussion and Laboratory Studies					
Instructor(s)						
Course Objective	To understand and reinforce the changes that will occur by comparing the upper and lower extremity skin, bones, brachial plexus, lumbosacral plexus and its branches, axillar artery and vein, femoral artery and its branches, upper and lower extremity lymphatic structure and clinical conditions related to these structures with the normal anatomical structure.					
Course Learning Outcomes	1- Knows the formations in the lower and upper extremities, their neighborhood with each other and their connections with the clinic. 2- Define the functions of the formations in the lower and upper extremities and the findings that may occur in possible clinical cases. 3- Evaluate the results of anatomical and clinical studies on lower and upper extremities and plan new studies.					
References	1- Anne M.R. Agur, Arthur F. Dalley. Moore Temel Klinik Anatomisi. İsmail Nadir Gülekon, Tuncay Veysel Peker (Çev. Ed.). Nobel Tıp Kitabevleri, Ankara, 2020. 2- Hansen JT. Netter'in Klinik Anatomisi. Hamdi Çelik, Cem Denk (Çev. Ed.). Palme Yayınevi, 2012. 3- Abrahams PH. McMinn & Abrahams İnsan Anatomisi Klinik Atlası. Can Pelin, Ayla Kürkçüoğlu, Hale Öktem, Mine Poyraz (Çev. ed). Hipokrat Kitabevi, 2018. 4- Urban&Fischer F. Paulsen, J. Waschke. Sobotta İnsan Anatomisi Atlası. Süleyman Tuna Karahan (Çev. Ed.). Medipres Yayıncılık, Malatya, 2019. 5- Michael Schünke, Erik Schulte, Udo Schumacher, Markus Voll, Karl Wesker. Prometheus Anatomi Atlası. Mehmet Yıldırım, Tanya Marur (Çev. Ed.), Palme Yayınevi, İstanbul, 2021. 6- Susan Standring. Grays's Anatomy. The Anatomical Basis of Clinical Practice. 41th ed. Philadelphia, PA: Elsevier; 2015.					

WEEKLY COURSE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1. week	Clinical anatomy of the shoulder region
2. week	Clinical anatomy of the axilla
3. week	Clinical anatomy of the brachial plexus
4. week	Clinical anatomy of the arm
5. week	Clinical anatomy of the forearm
6. week	Clinical anatomy of the hand I
7. week	Clinical anatomy of the hand II
8. week	**Mid-Term Examination**
9. week	Clinical anatomy of the gluteal region
10. week	Clinical anatomy of the thigh
11. week	Clinical anatomy of the leg
12. week	Clinical anatomy of the foot
13. week	Clinical anatomy of the inguinal region
14. week	Clinical anatomy of the lumbosacral plexus
15. week	**Final Exam**

ECTS / WORK LOAD TABLE

Activities	**Number**	**Duration**	**Total Work Load**
Course	14	2	28
Laboratory			
Practice			
Field Study			
Outclass course work hours (Self working / Teamwork / Preliminary work)	14	3	42
Presentations (Video preparation / Poster preparation / Oral presentation / Focus group discussion / Applying questionnaire/ Observation and report writing)			
Seminars			
Project			
Case study			
Role playing, dramatization			
Preparing and criticizing article			
Semester midterm exams	1	2	2
Semester final exams	1	3	3
Total Work Load (hour) / 25(s)	75/25		
ECTS	**3**		

EVALUATION SYSTEM

Midterm Studies	**Number**	**Contribution**
Midterm exam	1	%40
Quiz		
Laboratory		
Practice		
Field Study		
Specific practical training (If exists)		
Homework assignment		
Presentation and seminar		
Projects		
Other evaluation methods		
Total of Midterm Studies		%40
Final Studies		
Final	1	%60
Homework assignment		
Practice		
Laboratory		
Total of Final Studies		%60
Contribution of midterm studies to course grade		%40
Contribution of final studies to course grade		%60
Total Grade		**100**

RELATIONSHIPS BETWEEN COURSE LEARNING OUTCOMES AND PROGRAM QUALIFICATIONS

Program Qualifications		Learning Outcomes		
		LO1	**LO2**	**LO3**
1.	Knows the basic structure, functions and working mechanisms of organs and systems and can explain each system in detail.	5	5	
2.	Define the basic microanatomical structures and development processes of tissues, organs and systems in the human body.			
3.	Knows topographic locations, surface projections and courses of organs and formations.	5		
4.	Can examine different parts of cadavers alone, identify organs and other structures.			
5.	It can identify normal anatomical structures on radiography, MR, and CT images and provide anatomical explanations for pathological conditions.	3	4	
6.	They can establish, solve and develop hypotheses about anatomy by using their anatomy knowledge at a high level.			5
7.	Can design, implement, finalize and manage an original research process related to anatomy using appropriate technologies.			5
8.	She/He can present and publish the results of her academic studies in the field of anatomy in respected domestic and international academic environments.			
9.	Observe and teach social, scientific and ethical values in the stages of collecting, recording, interpreting and announcing data related to the field of anatomy.			

Contribution to the level of proficiency: 1: Low **2:** Low/Moderate **3:** Moderate **4:** High **5:** Excellent