

**School of Pharmacy / School of Pharmacy (English)**

**2024 - 2025 Academic Year**

**ANATOMY**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
ANATOMY	PHA1212092	Spring Semester	2+0	2	3
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Prof.Dr. Alper ATASEVER				
<b>Name of Lecturer(s)</b>	Prof.Dr. Burak BİLECENOĞLU				
<b>Assistant(s)</b>	Prof. Dr. Burak Bilecenoğlu				
<b>Aim</b>	To inform, to make practice about anatomical terminology, general medical terms, organization of human body, locomotor, respiratory and circulatory, reproductive and nervous systems.				
<b>Course Content</b>	This course contains; Introduction to anatomy and terminology, general information on the musculoskeletal system, Bones, muscles, joints and vessels of the upper and lower extremities, Thorax, columna vertebralis and muscles, cranium bones and muscles, Heart and circulatory system, blood pressure and pulse measurement, Heart and circulatory system, blood pressure and pulse measurement, Respiratory system, Respiratory system, Gastrointestinal system, Gastrointestinal system, Endocrine system and urinary system, Endocrine system and urinary system, Female-male genital system, Neuroanatomy, Neuroanatomy.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
Define general concepts in anatomy, general and special terms of anatomy and anatomical positions.			11, 9	A	
Explains and relates systems of human body.			11, 9	A	
Recognizes anatomy of locomotor system and explains functions of locomotor system by bringing together the elements of locomotor system.			11, 9	A	
Recognizes the anatomy of digestive system.			11, 9	A	
Recognizes the anatomy of circulatory system.			11, 9	A	
Recognizes the anatomy of respiratory system.			11, 9	A	
Distinguishes the anatomy of urogenital system and the regional anatomy and morphology of endocrine organs.			11, 9	A	
Explains and interprets anatomy of nervous system.			11, 9	A	
Make practices about systems of human body.			11, 9	A	
Recognize all of bones, joints, muscles and explains functions of them.			11, 9	A	
Demonstrate structures of oral cavity and organs of digestive canal.			11, 9	A	
Demonstrate position of heart, heart related formations, arteries and veins			11, 9	A	
Demonstrate upper and lower respiratory tract.			11, 9	A	
Distinguish urinary system organs and demonstrate endocrine system organs.			11, 9	A	
Recognize central and peripheral nervous system and formations of autonomic nervous system.			11, 9	A	
<b>Teaching Methods</b>	11: Demonstration Method, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction to anatomy and terminology, general information on the musculoskeletal system	Gray's Anatomy for Students S. 2-7			
2	Bones, muscles, joints and vessels of the upper and lower extremities	Anatomy of Movement Blandine Calais-Germian P.30-129			
3	Thorax, columna vertebralis and muscles, cranium bones and muscles	Anatomy of Movement Blandine Calais-Germian P.192-294			
4	Heart and circulatory system, blood pressure and pulse measurement	Anatomy& Pyhsiology Coloring Workbook Elaine N.Marieb P. 73-284			
5	Heart and circulatory system, blood pressure and pulse measurement	Anatomy& Pyhsiology Coloring Workbook Elaine N.Marieb P.203-208, 211-219			
6	Respiratory system	Anatomy& Pyhsiology Coloring Workbook Elaine N.Marieb P. 255-263			
7	Respiratory system	Anatomy& Pyhsiology Coloring Workbook Elaine N.Marieb P. 255-263			
8	Gastrointestinal system	Anatomy&Pyhsiology, The Unity of Form and Function, Seventh Edition p:629-667			
9	Gastrointestinal system	Anatomy&Pyhsiology, The Unity of Form and Function, Seventh Edition p:629-667			
10	Endocrine system and urinary system	Anatomy&Pyhsiology, The Unity of Form and Function, Seventh Edition p:435-470			
11	Endocrine system and urinary system	Anatomy&Pyhsiology, The Unity of Form and Function, Seventh Edition p:474-530			
12	Female-male genital system	Anatomy&Pyhsiology, The Unity of Form and Function, Seventh Edition p:541-557			
13	Neuroanatomy	Snell, Clinical Neuroanatomy P:392-417			
14	Neuroanatomy	Essential Clinical Anatomy, 4. edition, p:573-589			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

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**Resources**

Lecture note is given to student1-Putz R, Pabst R. Sobotta atlas of human anatomy Volume 2 12th English Ed. Munich, Urban & Schwarzenberg 1994 2-Netter FH. Atlas of human anatomy (second edition). USA, Novartis, 1997. 3-Moore KL, Persaud TVN. The Developing Human (Clinically Oriented Embryology). Fifth ed. Philadelphia, WB Saunders Company, 1993 4-Yıldırım M. İnsan Anatomisi. Nobel kitabevi, İstanbul 2003. 5-Arıncı K, Elhan A. Anatomi I, II. Güneş kitabevi, Ankara, 2003. 6-Moore K, AF. Dalley: Clinically oriented anatomy. Fourth ed. Lippincot