

Course Title	<b>Human Anatomy</b>				
Course Code	PHA108				
Course Type	Compulsory				
Level	BSc (Level 1)/ MPharm (Level 2)				
Year / Semester	1 <sup>st</sup> (2 <sup>nd</sup> semester)				
Teacher's Name	Dr Savvas Ioannou				
ECTS	6	Lectures / week	2+1*	Laboratories/week	1
Course Purpose	<p>The aim of the course is to familiarize students with the basic anatomy of the human body. It is extended to external morphology and anatomy. The cellular construction of tissues is also covered in the course. This is a supporting and preparatory subject for the course In Human Physiology.</p> <p>*tutorial</p>				
Learning Outcomes	<p>By the end of this course, the students should be able to:</p> <ul style="list-style-type: none"> <li>• Identify the main parts of the human body</li> <li>• Describe the structure of the cell</li> <li>• Describe the functions of the nucleus, the cytoplasm, the organs and the cell membrane in cells</li> <li>• Explain the process of division and reproduction</li> <li>• Explain the process and the result of the specialization of cells and tissues of the body</li> <li>• Describe the four basic tissues of the body (epithelial, supporting, muscular and nervous tissue)</li> <li>• Analyse the importance and function of each tissue separately and in combination with organ formation</li> <li>• Describe the body's specific and non-specific mechanisms of defense and immunobiology</li> <li>• Describe the composition and types of bones, types and conditions of joints and bones</li> <li>• Describe the muscles system</li> <li>• Describe the composition and function of the brain, spinal cord and peripheral nerves</li> <li>• Describe the structure and functions of the skin</li> <li>• Describe the components of the skin (glands, hair and nails) and their function</li> <li>• Describe the bones and joints of the human skeleton</li> <li>• Describe its structure and function: <ul style="list-style-type: none"> <li>• (a) Respiratory system</li> <li>• (b) Circulatory system</li> <li>• (c) Nervous system</li> <li>• (d) Sensory system</li> <li>• (e) Digestive system</li> <li>• (f) Urinary system</li> </ul> </li> </ul>				

	<ul style="list-style-type: none"> <li>• (g) Genital system</li> <li>• (h) Endocrine Gland System</li> </ul>		
Prerequisites	-	Corequisites	-
Course Content	<p>Basic knowledge on topology, morphology and anatomy of organs, systems and tissues of the human body. Cell types. Skeleton and bones, articulation, skeletal muscles, muscular system. Viscera, digestive, and urogenital systems. Cardiovascular, endocrine and immune systems. Nervous system. Parts and areas of the body, guiding spots. Elements of Histology.</p> <p>Laboratory: Laboratory teaching relates and supports the theoretical content of the course. Students learn using a human skeleton model and human body torso models.</p>		
Teaching Methodology	<p>The teaching methodology includes lectures offering the theoretical background for a better perception of some concepts of Anatomy. Methods such as discussion, questions/answers and pros/cons, are used to enhance student's participation. Detailed notes with PowerPoint are used in the lesson. Teaching in the lab is performed with the aid of a human skeleton and artificial human models and body torso models.</p>		
Bibliography	<ul style="list-style-type: none"> <li>• <u>Textbooks:</u></li> <li>• Principles of Anatomy and Physiology. Tortora, Gerard J. 16<sup>th</sup> ed. Willey, 2020.</li> <li>• Βασική Ανατομική με Κλινικό Προσανατολισμό, Δ Έκδοση, 2008, Κύριος Συγγραφέας: Β. Τσακρακλίδης, Εκδοτικός Οίκος: Βήτα Ιατρικές Εκδόσεις</li> <li>• Principles of Anatomy and Physiology. Tortora, Gerard J. 7<sup>th</sup> ed. Greek Publisher Ellin, 2006.</li> <li>• <u>References:</u></li> <li>• Sobotta Atlas of Human Anatomy. 23<sup>rd</sup> ed, Greek Publisher Parisianos, 2017.</li> <li>• Ανατομία του ανθρωπίνου σώματος, Κύριος Συγγραφέας: Tortora, Gerard J. Έκδοση: Έβδομη έκδοση, 2006, Επιμέλεια: Γεώργιος Καραχάλιος, Εκδοτικός Οίκος: ΕΛΛΗΝ</li> </ul>		
Assessment	<p>Course work 50% (midterm 30%; lab 20%) Final Examinations 50%;</p> <p>The evaluation of the course is performed by (a) a written mid-term exam during the semester, which examines specific modules of the course and it accounts for 30% of the overall grade, (b) the laboratory reports during the semester, it accounts for 20% of the overall grade, and (c) a written final exam, which examines all modules of the course, and it accounts for 50% of the overall grade.</p> <p>Students are prepared for the above written exams by discussion, questions/answers, pros/cons and problem solving, related to the field of anatomy, in the class, while additional problems are given to the students for further practice.</p>		



	The final assessment of the students is formative and summative and is assured to comply with the subject's expected learning outcomes and the quality of the course.
Language	Greek, English