

ID	3539
Curricular Unit	Anatomophysiology I
Regent	Pedro Luís Camecelha de Pezarat Correia
Learning Outcomes	The general goal of the discipline is both the acquisition of the anatomical and physiological basis of human body systems related with human movement, and the development of the student's capacity to analyse and understand the anatomical and physiological processes related to human movement.
Syllabus	General organization of the human body. Nervous system: structure and function. Physiology of the skeletal muscle. Physiology of the connective tissue. Anatomy of bones. Joints: classification, structure and physiology of synovial joints and description of major joints. Muscles anatomy and function.
Evaluation	Oral and powerpoint presentations about the different topics of the program. The bibliographic support can be found in Pezarat-Correia et al. (2010). Aparelho Locomotor, Volume I: Anatomofisiologia dos Sistemas Nervoso, Osteoarticular e Muscular. Lisboa: Edições FMH. The study of anatomical aspects is done through practical work with anatomical pieces and models guided by practical exercises, specially developed, that can be found in Pezarat-Correia et al., 2011. Aparelho Locomotor: Exercícios e Estudos Práticos. Lisboa: Edições FMH. Evaluation is composed by 5 different phases: 4 tests, each one in the end of each part of the program and the 5th after the end of the classes including all the contents.
Bibliography	<p>Pezarat Correia, P. & Espanha, M. (2010). Aparelho Locomotor: Anatomofisiologia dos Sistemas Nervoso, Osteoarticular e Muscular. Lisboa: Edições FMH.</p> <p>Pedro Pezarat Correia, Margarida Espanha, Sandro Freitas, Raul Oliveira, Augusto Pascoal (2011). Aparelho Locomotor: Exercícios e Estudos Práticos. Lisboa: Edições FMH.</p> <p>Muscolino, J. (2006). Kinesiology: The skeletal system and muscle function. St. Louis: Mosby Elsevier.</p> <p>McComas, A. (1996). Skeletal muscle: Form and function. Champaign: Human Kinetics.</p>