ID	3828
Curricular Unit	Evaluation of the neuromuscular system
Regent	Pedro Jorge Moreira de Parrot Morato
Learning Outcomes	Advanced study of aspects of neuromuscular function relevant to understanding the control, organization and coordination in human movement.
Syllabus	1. Organization Model of General Motor Behavior 2 Cases of Neuromuscular Coordination:. Intramuscular and intermuscular 3. Sensory pathways involved in Motor Control 4. Cord Organization of the Movement 5. Organization and Control of Motion in the Upper Floors CNS 6. Adjusting the Balance 7. Approach Functional Body Muscle . 8 Electromyography: rationale, methods and applications
Evaluation	A final written test.
Bibliography	Main Bibliography: Pezarat-Correia, P. & Spain, M. (2010). Locomotor: Anatomy and physiology of the nervous systems, Osteoarticular and muscular. Lisbon: Issues FMH. Pezarat-Correia, P. (Ed.) (2003). Neuromuscular function. Lisbon: Issues FMH. Gardiner, P. (2001). Neuromuscular aspects of physical activity. Champaign, Il:. Human Kinetics. Godaux, E., & Cheron, G. (1989). Le mouvement. Paris: Medsi / McGraw-Hill. Additional bibliography: Basmajian J., & De Luca, C. (1985). Muscles alive: Their functions revealed by electromyography. Baltimore: William & Wilkins. Godinho, M., Barreiros, J., & Correia, P. (1997). Motor Learning. Theories and Models. Lisbon: Issues FMH. McComas, A. (1996). Skeletal muscle: form and function. Champaign: Human Kinetics. Pezarat-Correia, P., & Mil-Homens, P. (2004). The Electromyography in the Study of Motion. Lisbon: Issues FMH.