

<b>ID</b>	2264
<b>Curricular Unit</b>	Evaluation of the neuromuscular system
<b>Regent</b>	Pedro Jorge Moreira de Parrot Morato
<b>Learning Outcomes</b>	Advanced study of aspects of neuromuscular function relevant to understanding the control, organization and coordination in human movement.
<b>Syllabus</b>	<ol style="list-style-type: none"> <li>1. Organization Model of General Motor Behavior</li> <li>2 Cases of Neuromuscular Coordination: Intramuscular and intermuscular</li> <li>3. Sensory pathways involved in Motor Control</li> <li>4. Cord Organization of the Movement</li> <li>5. Organization and Control of Motion in the Upper Floors CNS</li> <li>6. Adjusting the Balance</li> <li>7. Approach Functional Body Muscle</li> <li>8 Electromyography: rationale, methods and applications</li> </ol>
<b>Evaluation</b>	A final written test.
<b>Bibliography</b>	<p>Main Bibliography:</p> <p>Pezarat-Correia, P. &amp; Spain, M. (2010). Locomotor: Anatomy and physiology of the nervous systems, Osteoarticular and muscular. Lisbon: Issues FMH.</p> <p>Pezarat-Correia, P. (Ed.) (2003). Neuromuscular function. Lisbon: Issues FMH.</p> <p>Gardiner, P. (2001). Neuromuscular aspects of physical activity. Champaign, Il.: Human Kinetics.</p> <p>Godaux, E., &amp; Cheron, G. (1989). Le mouvement. Paris: Medsi / McGraw-Hill.</p> <p>Additional bibliography:</p> <p>Basmajian J., &amp; De Luca, C. (1985). Muscles alive: Their functions revealed by electromyography. Baltimore: William &amp; Wilkins.</p> <p>Godinho, M., Barreiros, J., &amp; Correia, P. (1997). Motor Learning. Theories and Models. Lisbon: Issues FMH.</p> <p>McComas, A. (1996). Skeletal muscle: form and function. Champaign: Human Kinetics.</p> <p>Pezarat-Correia, P., &amp; Mil-Homens, P. (2004). The Electromyography in the Study of Motion. Lisbon: Issues FMH.</p>