

<b>ID</b>	3185
<b>Curricular Unit</b>	Neurobiological Development
<b>Regent</b>	
<b>Learning Outcomes</b>	<ol style="list-style-type: none"> <li>1. Understanding the Fundamentals of Structural and Functional Neurobiology</li> <li>. 2 Know the Organization and Functioning of the Motor System: tone , Posture and Movement</li> <li>3. Knowing the essential aspects of Control Neurobiological the " Performance " Human</li> </ol>
<b>Syllabus</b>	<p>I. Introduction: Neuroscience and Behavior            Conceptual Location of Neurobiology of Behavior (NC)            Scope of Investigation in NC</p> <p>II. Structural and Functional Basis of Neurobiology            Origin of Nervous System (SN) and Emergency Behavior            Principles of Brain Development and Organization            Paradigms SN: Bio-Potential; Bio-conservative; Critical Period            Neurobiological plasticity and complexity. Requirements Mediatization            Retrogenesis neurobiology: Problems and Complexity</p> <p>III. Organization and Operation of Motor System: tone , Posture and Movement            Functional significance of tone / Vigilance            Adaptive Strategies and Control of Posture            Semiology and Postural Syndromes            Multisensory convergence: Complementarity Informational / Sensory Substitution            Engine Components System: Hierarchical Organization            Hemispheric s</p>
<b>Evaluation</b>	Theme-working preparation.

### Main Bibliography:

Adams, G.; Mászaros, I.; Banyai, I. (1980). Brain and Behavior. Pergamon Press.

Amiel-Tison, C. (2001). Perinatal Neurology. Massion, SA Bayer, S.; Altman,

J. (1991). Neocortical Development. Raven Press. Andreassi J. (1995).

Psychophysiology: Human Behavior and Physiological Response. Third Ed  
New Jersey: Lawrence Erlbaum Associates. Bear, M.; Connors, B.; Paradiso,

M. (2001). Neuroscience: Exploring the Brain. Lippincott Williams &  
Wilkins.

.

Ghez, C. (1985). Voluntary Movement. In Kandel, ER & Schwartz, JH /  
Eds.). Principles of Neural Science (pp. 487-501). New York: Elsevier  
Science Publishers.

Iñiguez, CG (2000). Aproximación Theoretical and Experimental Study of al  
la the Attention Surveillance Sostenida. Valencia: Cristobál Serrano Vilalba.

Kandel, RK; Schwartz, JH; Jessel, MJ (1995). Essentials of Neural Science  
and Behavior. McGraw-Hill.

Katz, P. (1995). Intrinsic and Extrinsic Neuromodulation of Motor  
Circuits. Current Opinion Neurobiology, 5, 799-808

### Bibliography