NEUR - Neuroscience

NEUR 313 Neurophysiology: 3 Credits (3 Lec)
PREREQUISITE: BIOB 260. Physiology of integrative mechanisms in nervous systems. Topics range from the mechanisms of synaptic transmission and action potential generation to the neural basic of learning and memory

NEUR 409 Human Neuroanatomy: 4 Credits (3 Lec, 1 Lab)
PREREQUISITE: BIOH 185 or BIOH 201 and Junior standing or consent from instructor. Covering the organization and function of the human nervous system. The course will emphasize theories of its normal functioning and its responses to environmental change, as in learning and structural modification. Homeostasis will be emphasized

NEUR 425 Sensory Neurophysiology: 3 Credits (3 Lec)
PREREQUISITE: NEUR 313. Neurophysiology of sensory cells and systems. Topics range from the mechanisms underlying sensory reception to the processing of sensory information at higher stages. The major focus will be on human sensory systems. Pathologies that effect sensory perception will be considered

NEUR 428R Molecular Basis of Neurological Diseases: 3 Credits (1 Lec, 2 Other)
PREREQUISITE: NEUR 313. (F) This course will give an in-depth view of the molecular and cellular aspects of neuroscience. Student projects will then use that knowledge to do their own research into the current molecular understanding of a chosen neurological disease