**NEU 365R. Vertebrate Neurobiology.**

Introduction to the nervous system and other excitable tissues. Subjects may include membrane potentials, ion channels, synaptic transmission, learning and memory, skeletal and cardiac muscle, and how systems of neurons lead to sensation and motor output. Human diseases are used to illustrate perturbation of normal function. Three lecture hours and one discussion hour a week for one semester. Only one of the following may be counted: Biology 309D, 365R, Neuroscience 365R. Only one of the following may be counted: Biology 365R, 371M, Neuroscience 365R. Biology 365R and Neuroscience 365R may not both be counted by students with credit for Biology 416K with a grade of at least C-. Prerequisite: Biology 325 or 325H with a grade of at least C-.