

# BIO 484 : Neurobiology

This course will focus on the human nervous system but will also discuss animal experiments as they apply to understanding human brain function. The development of the nervous system as well as pertinent neuroanatomy and significant historical events in the field are also covered. The course begins with an overview of the organization of the nervous system, and then focuses on cell and synaptic physiology. Following this chemical and pharmacological aspects of synapses are discussed. The hierarchical organizations of the brain are studied. This is then integrated into how the brain functions as a whole. The functions of each area of the brain are examined and the basis of learning and memory are discussed. The basis of language and emotion are covered. Some of the common brain disorders are also discussed.

**Credits** 3

**Prerequisites**

BIO 101 & BIO 102