Bemidji State University

PSY 5450: Behavioral Neuroscience

A. COURSE DESCRIPTION

   Credits: 4
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   A neurological study of behavior focusing on the neurons, neurotransmitters, neuronal circuits, and basic biology of the nervous system. The beginning of the course will focus on building an understanding of the structure and function of nerve cells, and neuro and hormonal chemical transmission within the nervous system. The rest of the course will focus on how these biological processes lead to normal and pathological behavior. Prerequisite(s): Consent of instructor.

B. COURSE EFFECTIVE DATES: 08/21/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Structure and function of cells of the nervous system
   2. Structure of the nervous system
   3. Psychopharmacology
   4. Sleep and Biological rhythms
   5. Anxiety disorders, Autistic disorders, ADD, and stress disorders
   6. Drug Abuse
   7. Learning and memory
   8. Schizophrenia and the affective disorders

D. LEARNING OUTCOMES (General)

   1. apply their understanding of behavioral neuroscience to everyday experiences.
   2. develop the ability to communicate key findings discussed in class and book.
   3. learn the major questions within the fields of behavioral neuroscience.
   4. think critically about the major findings within behavioral neuroscience.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted