

# Minnesota State University Moorhead

## PSY 613: Neuroscience

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This class explores past and current neuroscientific contributions with a focus on current trends and theory. Emphasis is on understanding of the relationship between the nervous system and behavior. The course surveys basic principles while focusing on student growth, development, learning, and application of conceptual knowledge.

**B. COURSE EFFECTIVE DATES:** 01/02/2022 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Intro to Neuroscience and Research Methods
2. Hunger, Eating and Health
3. Lateralization, Language and Split Brain
4. Hormones and Sex
5. Human Communication
6. Drug Use, Addiction and Reward Systems
7. Emotion, Stress and Health
8. Psychiatric Disorders

### D. LEARNING OUTCOMES (General)

1. Discuss major theories and important principles in neuroscience.
2. Describe the foundations of neurobiology.
3. Provide examples of the application of neurobiology in psychology.
4. Identify and be able to explain therapeutic techniques related to neuroscience.
5. Explain brain based approaches to understanding challenges to student learning and teaching.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted