

Minnesota State University Moorhead

PSY 345: Physiological Psychology

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

- PSY 113 - General Psychology

Corequisites: None

MnTC Goals: None

Basic biological facts and their relationship to behavior. An analysis of the senses, hormonal systems, brain and peripheral nervous system will be included. Students must have earned six credits in psychology courses prior to enrolling in this course.

B. COURSE EFFECTIVE DATES: 11/02/2004 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Origins of Behavioral Neuroscience
2. Structure & Functions of Cells in the Nervous System
3. Structure of the Nervous System
4. Psychopharmacology
5. Methods and Strategies of Research
6. Vision
7. Auditory, Body and Chemical Senses
8. Sleep and Biological Rhythms
9. Reproductive Behavior
10. Emotion
11. Ingestive Behavior
12. Learning and Memory
13. Human Communication
14. Neurological Disorders
15. Schizophrenia, the Affective Disorders, and the Anxiety Disorders
16. Autistic, Attention-Deficit/Hyperactivity, Stress, and Substance Abuse Disorders

D. LEARNING OUTCOMES (General)

1. Knowledge of the history of physiological psychology
2. Knowledge of the cells that make up the nervous system
3. Knowledge of the structures and functions of the nervous system
4. Knowledge of neurotransmitters
5. Knowledge of the relationships between drugs and behavior
6. Knowledge of research methods in physiological psychology
7. Knowledge of the sensory systems and control of movement
8. Knowledge of the role of the nervous system in sleep, reproductive behavior, emotions, and stress
9. Knowledge of the role of the nervous system in learning and memory communication, neurological, and mental disorders

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted