

PSY – 206: Neurological Bases of Behavior-I (3 CHs)

Course Pre-requisite: None

Course Description:

This course is designed to acquaint students to the interesting topics of neurological basis of behavior i.e., nervous system, role of nervous system in daily life, causes and outcomes of impairment in different parts of nervous system on an individual. It will help students to understand normal nervous system functioning and the role of nervous system in various brain processes.

Course Objectives:

This course will facilitate students to:

- Understand the history of neurosciences and basic concepts related to this field.
- Understand the role of nervous system and biology of various behavior in everyday life.

Course Learning Outcomes:

After the completion of the course, the students will be able to:

- Explain in detail the concepts related to nervous system, neuron, structures of the human brain and their corresponding functions.
- Discuss basic concepts and mechanism related to normal functioning of the nervous system.
- Apply neuroscience concepts in daily life.

Course Contents:

- Biological Approach to Behavior
- Field of Biological Psychology
- Biological Explanations of Behavior
- Career Opportunities Activity
- Nervous System
- Basic Features of Nervous system
 - Central Nervous System

- Peripheral Nervous System
- Nerve Cells and Nerve Impulses
- Vision
- Homeostasis
- Audition
- Somato-senses
- Gustation
- Olfaction
- Emotions
- Sleep
- Learning and Memory
- Human Communication

Textbook:

Kalat, J. W. (2015). Biological psychology. Nelson Education.

Reference Books:

- Coon, D. (2004). *Introduction to psychology: Gateways to mind and behavior* (10th ed.). US: Thomson.
- Baron, R. A. & Misra, G. (2014). *Psychology: Indian Subcontinent Edition* (5th ed.). Delhi: Pearson.
- Gazzaniga, M. S., & Heatherton, T. F. (2003). Psychological Science: Mind. *Brain, and Behavior*. New York: WW Norton.
- Rani, D. A. (2014). *Applied Psychology*. New Delhi: K.K. Publications.
- Carlson, N. R. (2013). *Physiology of Behavior* (11th ed.). New York: Pearson.
- Fieldman, R. S. (2002). *Understanding Psychology* (6th ed.). New Delhi: Tata McGraw-Hill.