



**BAKER COLLEGE**  
**STUDENT LEARNING OUTCOMES**

**PSY3710 Biological/Physiological Psychology I**  
**3 Semester Hours**

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**Student Learning Outcomes & Enabling Objectives**

1. Assess the biological foundations of behavior. (APA 1.1A)
  - a. Examine the structures and functions of the brain and nervous system. (APA 1.1a)
  - b. Identify specific brain structures and their functions. (APA 1.1a)
  - c. Describe the messaging process of neurotransmitters. (APA 1.1a)
2. Investigate how biochemical and electrical processes influence thoughts, emotions, and behavior. (APA 1.1a; 1.2D; 2.1a)
  - a. Describe the transmission and function of neural signals by neurons.
  - b. Examine the role of hormones on brain function and the resulting effects.
3. Examine the evolution and development of the nervous system. (APA 1.2a)
  - a. Identify the evolution of human versus nonhuman brains/nervous systems, and the resulting impacts on thoughts and behavior.
  - b. Examine the development of the brain and nervous system across the lifespan.
  - c. Discuss various theories and methods used to study brain structure and function. (APA 1.1a; 1.2b)
4. Compare and contrast normal and abnormal functioning as it relates to the nervous system, brain, biochemical, and electrical processes in the body. (APA 1.1D)
  - a. Examine the role of neurotransmitters in the etiology of normal and abnormal behaviors.
  - b. Compare various theories and methods used to study normal and abnormal brain functioning.
5. Investigate how sensory receptors and the brain function together to process sensory information. (APA 1.2D)
  - a. Examine the functional organization of the sensory system.
  - b. Identify the specific structures of the sensory system and their function.
6. Explore the role of the nervous system as it relates to motor control and brain plasticity. (APA 1.2a,d)
  - a. Identify key brain structures and functions in motor control. (APA 1.1a)
  - b. Describe the process of neural development in plasticity. (APA 1.1a)
7. Communicate using the standards and guidelines established for the profession. (APA 4.1)
  - a. Develop APA formatting skills by incorporating proper APA format, in text citations, and references in written assignments. (APA 4.1d)

- b. Demonstrate effective writing and/or presentation skills for different purposes.  
(APA 4.1D; 4.2b)

**Note:** Each SLO/EO is aligned to the American Psychological Association (APA) guidelines for undergraduate learning outcomes.

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These SLOs are not approved for experiential credit.

**Effective: Spring 2021**