



UNIVERSITY OF NICOSIA ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

University of Nicosia, Cyprus

Course Code PSY-370	Course Title PHYSIOLOGICAL PSYCHOLOGY	ECTS Credits 6
Department SOCIAL SCIENCES	Semester SPRING	Prerequisites PSY230A
Type of Course RECOMMENDED	Field PSYCHOLOGY	Language of Instruction English
Level of Class 1 st Cycle	Year of Study 3 rd or 4 th	Lecturer(s) MARIOS CONSTANTINOU, Ph.D.
Mode of Delivery Face-to-face	Work Placement N/A	Co-requisites None
Recommended Optional Programme Components: N/A		

Objectives:

The main objectives of the course are to:

- Demonstrate how cognitions are linked to brain functions
- Introduce how the brain controls internal regulations
- Discuss how the brain controls behavior and psychology
- Discuss learning and its association to brain functions
- Discuss how reproductive and other basic behaviors are controlled by the brain
- Present a theoretical framework that links CNS, Cognition, and Behavior

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Appreciate how the brain functioning is related to different cognitions and body functions.
2. Illustrate the individual differences pertaining to brain functions and cognitions.
3. Appreciate how internal regulations are controlled by the brain.
4. Appreciate how reproductive behavior is controlled by the brain.
5. Assess how emotional behaviors are controlled by the brain.
6. Appreciate the link between biology and learning and memory.
7. Appreciate how most cognitions are controlled by brain circuits.
8. Appreciate how psychological disorders are linked to different brain areas.
9. Know the basic neuroanatomy that is associated with the everyday functions of the body.
10. Illustrate the basic neurochemistry of neurotransmitters.
11. Critically judge theories behind brain functions.

Course Contents:

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| <ol style="list-style-type: none">1. CNS AND MOVEMENT2. WAKEFULLNESS AND SLEEP3. INTERNAL REGULATION4. REPRODUCTIVE BEHAVIORS5. BIOLOGY OF LEARNING AND MEMORY6. COGNITIVE FUNCTIONS7. PSYCHOLOGICAL DISORDES AND BRAIN8. FUTURE DIRECTIONS |
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Learning Activities and Teaching Methods:

Lectures, Brain Demonstrations, In-Class Exercises and Assignments.

Assessment Methods:

Project, Critical Evaluations of Journal Articles, First Exam, Mid-Term Exam, & Final Exam.
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Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Kalat, J. W.	Biological Psychology (Advanced Modules)	Thomson	2007	978-0-495-09360-2