MALTEPE UNIVERSITY
FACULTY OF HUMANITIES AND SOCIAL SCIENCES
PSYCHOLOGY (ENGLISH)
2025-2026 Spring Term

Course name: Physiological Psychology			Course code: PSY 104
ECTS: 6	1st year - 2nd semester	Undergraduate	Required
3 h/week	Lectures: 3 h/week Application: 0 h/week		Course language: English

Lecturer of the Course and contact info:
Assist. Prof. Dr. Begüm ÖZDEMİR DEMİRCİ (Spring)
Faculty of Human and Social Sciences Office No: 324, e-mail:begumozdemir@maltepe.edu.tr, extension:2258

Section Code:
PSY 104 01

Office Hours:
Tuesday 13:00-17:00, Wednesday 09:00-12:00, Thursday 09:00-12:00

(If any) Web address of the course or the lecturer:

Objectives of the Course:
Relating human behavior with neural and brain systems processing

Learning Outcomes and Subordinate Skills:
At the end of the semester the students will be able to:

1. Explain the potential of action and the variables that lead it.
2. Classify the neurtransmitters, count general functions of them.
3. Can explain substance addiction in terms of both learning and neural functioning.
4. explain the lateralization in the realm of split-brain studies
5. Explains the possible neural mechanisms of psychiatric disorders
6. Explain the action and resting potential and the variables that lead them.
7. count the parts of central nervous system

Generic Competencies:
1. rational, questioning, critical thinking

Instructional Methods and Techniques:
Lecture, question and answer, demonstration, problem solving

Mode of Delivery:
Face to face

Place of Special Course Internship (If any):
None.

Pre-requisites:
None.

Co-requisites:
None.

Recommended Optional Programme Components:
None.

Course Contents:
human nervous system anatomy and functions, sensory motor system, action potentials, sleep, learrning, psychiatric disorders, emotional behaviors

Course Category:

1.	Core Courses	X
2.	Major Area Courses	
3.	Supportive Courses	
4.	Transferable Skill Courses	
5.	Communication and Management Skills Courses	

Recommended Readings:

1. Carlson, N. R. (2005). Foundations of physiological psychology. Pearson Education New Zealand.

Course Outline:

Weeks	Subjects to be Discussed / Covered
1 . Week	Introduction & Syllabus
2 . Week	Origins of physiological psychology (Chapter 1)
3 . Week	Structures & Functions of the cells of the nervous system (Chapter 2)
4 . Week	Structure of the nervous system (Chapter 3)
5 . Week	No class (Statutory holiday)
6 . Week	Neural communication (Chapter 2)
7 . Week	Methods & Strategies of research (Chapter 5)
8 . Week	Emotion - Part I (Chapter 10)
9 . Week	Midterm (During class hours)
10. Week	No class (Statutory holiday)
11. Week	Emotion - Part II (Chapter 10)
12. Week	Learning & Memory - Part I (Chapter 12)
13. Week	Learning & Memory - Part II (Chapter 12)
14. Week	Human communication (Chapter 13)
15. Week	Final Exam
16. Week	Final Exam

In Maltepe University, there is no general mid-term week for all courses. Each midterm for each course is given by the instructor of the course, by adding an extra week to the above 16 weeks course outline.

Evaluation System

Semester Requirements	Number	Percentage of grade
Attendance	-	-
Laboratory	-	-
Application	-	-
Field Work	-	-
Special Course Internship (If any)	-	-
Homework Assignments	-	-
Presentations	-	-
Project	-	-
Seminar	-	-
Quiz	5	10 (%)
Listening	-	-
Mid-Terms	1	40 (%)
Final	1	50 (%)
	Total	**100**

ECTS Student Workload Table

Activities	Number	Duration (hours)	Workload
Course Hours (Including exam week 14x hours/week)	14	3	42
Laboratory	-	-	-
Application	-	-	-
Field Work	-	-	-
Special Course Internship (If any)	-	-	-
Study Hours-out of Class (pre/after studies)	14	2	28
Presentation / Seminar Preparation	-	-	-
Project	-	-	-
Homework Assignments	-	-	-
Quiz	5	2	10
Listening	-	-	-
Mid-Terms	1	20	20
Final	1	30	30
		Total Workload	**130**

Relationship Between Course Learning Outcomes and PSYCHOLOGY (ENGLISH)(ENGLISH) Programme Key Learning Outcomes

		Level of Contribution				
No	**Programme Key Learning Outcomes**	**1**	**2**	**3**	**4**	**5**
1	Identifying, describing and discussing the main concepts, questions and issues in the field and the sub-fields of psychology.			X		
2	Describing and following the contemporary developments and discussions in the field of psychology; developing awareness and skills to contribute to the contemporary developments and discussions in the field of psychology.			X		
3	Conducting research based on scientific method; identifying and applying objective methods of analyzing human behavior, emotion and cognition.				X	
4	Transferring academic knowledge and skills into professional practice, and developing psychological testing and measurement skills.	X				
5	Relating and discussing theory, observation and results, and developing objective and critical thinking skills.				X	
6	Becoming able to find out solutions for individual and social problems using his/her professional knowledge and background, and developing awareness with regard to social, cultural and individual differences.	X				
7	Besides developing awareness and consciousness regarding social issues, and problems, developing awareness with regard to human rights.	X				
8	Being able to utilize his/her knowledge regarding various fields of science and practice; developing awareness and skills for multidisciplinary work.			X		
9	Developing skills to work in teams; applying effective communication skills in interpersonal interactions.			X		
10	Identifying and defining professional ethics for psychologists; applying ethical principles of psychologists in his/her academical and/or professional work.	X				
11	Applying basic observation and interview skills and dentifying the situations requiring psychological referral regarding and making referral when necessary.	X				
12	Applying general academic knowledge (i.e., scientific writing, literature review etc.) into practice.					X
13	Identifying his/her inclination regarding in which subfield of psychology to be specialized and building a foundation for graduate education.					X
14	Renewing himself/herself personally and academically with the perspective of life-long learning and developing self-awareness through having a foreign language.					X