SUBJECT DATASHEET

Neuropsychology

BMETE47MN21

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Neuropsychology

ID (subject code) BMETE47MN21

Type of subject
contact hour unit

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	2
Laboratory	0

Type of assessment
graded upon course work

Number of credits
5

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Demeter Gyula	associate professor	demeter.gyula@ttk.bme.hu

Educational organisational unit for the subject
External department

Subject website
https://edu.gtk.bme.hu

Language of the subject
magyar - angol HU - EN

Curricular role of the subject, recommended number of terms
Programme: **Psychology Master's Programme - Cognitive psychology specialisation from 2020/21/Term 1**
Subject Role: **Compulsory**
Recommended semester: **2**

Direct prerequisites

Strong	Neurobiológia I./Neurobiology I. (BMETE47MN26)
Weak	None
Parallel	Kognitív és evolúciós pszichológia/Cognitive and evolutionary psycxhology (BMETE47MN38)
Exclusion	None

Validity of the Subject Description
-

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The aim of the course is to acquaint students with the development, main trends, and issues of neuropsychology as an independent discipline. It provides a detailed review of the relevant literature on various cognitive func-tions, such as perception, attention, thinking, executive function, memory. In addition to presenting current models, we introduce the main methodological issues of neuropsychological diagnostics, introducing students to some of the standardized procedures used in clinical practice. The course includes the discussion of relevant cases, the acquisition / presentation of the preparation of case studies within the framework of the laboratory practice. As far as possible, we try to provide students with observation and discussion of neuropsychological examination and rehabilitation therapy of patients with brain injuries in different hospital wards.

Academic results

Knowledge

1. The student knows the basic conceptual framework and the most important theories of neuropsy-chology. He/she can combine his/her theoretical knowledge with his/her practical experience.

Skills

1. Ability to understand cognitive and psychic functional changes due to brain injuries.
2. Ability to communicate in a professionally adequate manner, orally and in writing, on a variety of neuropsychological topics.

Attitude

1. Open to expanding theoretical and practical knowledge related to his / her field. He/she will be open and more accepting about patients with brain injuries.
2. Open and motivated to apply the acquired knowledge, with special emphasis on practical application.
3. Collaborates with the instructor and fellow students in expanding knowledge.
4. Open to learning about neuropsychological diagnostic tools that can be seen during institutional visits.

Independence and responsibility

1. Expects and utilizes new knowledge
2. Actively participates in the process of acquiring knowledge.
3. Solves individual and group tasks responsibly and independently.
4. Collaborates with fellow students during group work.
5. Use a systematic approach in your thinking.

Teaching methodology

Lectures, laboratory exercises, visits to institutions.

Materials supporting learning

- Kállai, J., Bende, I., Karádi, K., Racsmány, M. (Szerk.) Bevezetés a neuropszichológiába. Medicina Kiadó, Bu-dapest, 2008.
- Kolb, B., Whishaw, I.Q. (2007) Fundamentals of human neuropsychology (6th ed). New York, NY: Worth Publishers.
- Lezak, M. D., Howieson, D.B. & Loring, D.W. (2004). Neuropsychological Assessment (4th Edition) New York: Oxford University Press.
- Racsmány, M., Albu, M., Lukács, Á., Pléh, Cs. (2007) A téri emlékezet vizsgálati módszerei: fejlődési és neu-ropszichológiai adatok. In. Racsmány, M. (Szerk.) A fejlődés zavarai és vizsgálómódszerei. Akadémiai Kiadó, 11-40.
- Rosenbaum, R. S., Köhler, S.,. Schacter, D. L., Moscovitch, M., Westmacott, R., Black, S. E., Gao, F & Tulving, E. (2005). The case of K.C.: contributions of a memory-impaired person to memory theory Neuropsychologia 43, 989–1021.

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The learning outcomes described in point 2.2 are assessed on the basis of project tasks performed on written examinations, individually or in small groups.

Performance assessment methods

Detailed description of the performance evaluations carried out during the diligence period: 1. Written ex-aminations: during the semester
the assessment of the theoretical / practical knowledge acquired by the students takes place in the framework of two written exams (concept definitions, multiple choice questions, essays) 2. Article presentation: Students will acquire a theoretical presentation during the semester to acquire their theoretical knowledge. In the presentation, they must present in detail a study that is integral to one of the topics of the subject. 3. Individual project task. Students write a case report from a neuropsychological case selected from the lit-erature according to the given criteria, which they also present orally.

Percentage of performance assessments, conducted during the study period, within the rating

- **written examinations**: 60%
- **article presentation**: 20%
- **individual project task**: 20%
- **total**: 100%

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

Issuing grades

Excellent	> 95
Very good	86–95
Good	75–85
Satisfactory	65–74
Pass	50–64
Fail	< 50

Retake and late completion

We take the regulations in accordance with the TVSZ as a basis. Written exams and presentations can be improved during termtime (last
week or replacement week). In the case of correction, the more favorab-le of the previous and new results for the student is taken into account.

Coursework required for the completion of the subject

28

28

44

30

20

150

Approval and validity of subject requirements

-

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

To achieve the learning outcomes set out in section 2.2, the course consists of the following thematic blocks. In the description of the courses announced in each semester, we schedule these topic elements according to the calendar and other features.

Additional lecturers

Approval and validity of subject requirements

The subject data sheet I. and II. beyond Part III. shall be approved by the head of the Department of Cognitive Science indicated in point 1.8 in consultation with the specialist (s) of the relevant field (s).