



TANTÁRGYI ADATLAP SUBJECT DATASHEET

Vision, Language, Memory

BMETE47A015

I. COURSE DESCRIPTION

1. SUBJECT DATA

Course name

Vision, Language, Memory

Course code

BMETE47A015

Course type

contact hour unit

Kurzustípusok és óraszámok

<i>Type</i>	<i>Lessons</i>	<u>Type of assessment</u>	<u>Number of credits</u>
Lecture	2	term grade	
Practice	0		
Laboratory	0		3

Course leader

<i>Name</i>	<i>Position</i>	<i>Email adress</i>
Dr. Németh Kornél	assistant professor	nemeth.kornel@ttk.bme.hu

Organizational unit for the subject

External department

Subject website

<https://edu.gtk.bme.hu>

Language of teaching

magyar - HU

Curriculum role of the subject, recommended semester

Programme: **Gazdálkodási és menedzsment alapszak 2021/22/1 félévtől**

Subject Role: **Kötelezően választott**

Recommended semester: **5**

Programme: **Kommunikáció és médiatudomány alapszak - kötelező tárgyak 2018-től**

Subject Role: **Kötelezően választott**

Recommended semester: **0**

Programme: **Nemzetközi gazdálkodás alapszak 2018/19/1 félévtől**

Subject Role: **Kötelezően választott**

Recommended semester: **5**

Programme: **Nemzetközi gazdálkodás alapszak 2020/21/1 félévtől**

Subject Role: **Kötelezően választott**

Recommended semester: **5**

Programme: **Pénzügy és számvitel alapszak 2019/20/1 félévtől**

Subject Role: **Kötelezően választott**

Recommended semester: **5**

Programme: **Gazdálkodási és menedzsment alapszak 2018/19/1 félévtől**

Subject Role: **Kötelezően választott**

Recommended semester: **5**

Pre-requisites

strong Nincs

weak Nincs

paralell Nincs

exclusive Nincs

1.13 A tantárgyleírás érvényessége / Validity of the Subject Description

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2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

To see! Name! Note! How do we get to know the world around us? The course presents the most important theories, research methods and results of the three essential fields of cognitive science with an explicit emphasis on neuroscience data and the applicability of knowledge. Based on what techniques and data do we get to know the function of our brain more and more accurately - what are the advantages and disadvantages of these methods? Do we really see as much as we do in our environment? Is it true that we see the same without colors? Where and how does our brain add the third dimension? Is there a connection between brain development and language formation? How are words and sentences understood? Is speech comprehension possible without speech production? Why do we forget? Which nervous system structures are involved in the formation of memory traces? How can memory disorders be diagnosed and what kind of life can we live without memories? Can we trust what we see, what we remember? You can get answers to such exciting questions and learn about three different areas at the same time, while getting to know the essential connection points and moments.

Learning outcomes

Knowledge

1. The student knows and adequately uses the most important concepts of cognitive science.
2. The student understands and knows the most important theories and models in the field of cognitive science.

Ability

1. The student can understand and critically view the results of research and topics on cognitive science.
2. The student is able to communicate in an adequate manner, orally and in writing, on the research findings in the field of cognitive science.

Attitude

1. Open to expanding knowledge related to cognitive science.
2. Open and motivated to apply the acquired knowledge.
3. Collaborates with the lecturer and fellow students in expanding knowledge.

Autonomy and responsibility

1. Expects and utilizes new knowledge.
2. Actively participates in the process of acquiring knowledge.
3. Solves tasks responsibly and independently.
4. Use a systematic approach in your thinking.

Methodology of teaching

Lectures.

Materials supporting learning

- Kovács Ilona, Szamarasz Vera Zoé (szerk.). Látás, Nyelv, Emlékezet. Typotex Kiadó, 2009.

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The learning outcomes described in point 2.2 are assessed on written examinations.

Performance evaluation methods

Proportion of performance evaluations performed during the diligence period in the rating

- Two written exams: 50%-50%
- total: 100%

Proportion of examination elements in the rating

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The condition for obtaining the signature, validity of the signature

Grading

Excellent	> 90
Very good	80–90
Good	70-80
Satisfactory	60-70
Pass	51-60
Fail	< 51

Correction and retake

We use the regulations in accordance with the TVSZ. Written exams can be improved during tertime (last week or replacement week).

In

the case of correction, the more favorable of the previous and new results for the student is taken into account.

Study work required to complete the course

28

40

22

90

Approval and validity of subject requirements

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III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics discussed during the semester

A 2.2. pontban megfogalmazott tanulási eredmények eléréséhez a tantárgy a következő tematikai blokkokból áll. Az egyes félévekben meghirdetett kurzusok sillabuszaiban e témaelemeket ütemezzük a naptári és egyéb adottságok szerint.

- 1 Bevezetés: az emberi agy és vizsgálati módszerei/Introduction: the human brain, methods
- 2 A látás alapjai/ Basics of vision
- 3 Magasabb szintű látás, kategóriák az emberi agyban 1./Higher order vision, cíteories in the brain 1.
- 4 Magasabb szintű látás, kategóriák az emberi agyban 2./ Higher order vision, cíteories in the brain 2.
- 5 A megértés folyamata/The process of speech comprehension
- 6 A nyelv keletkezése/Origin of language
- 7 A gyermeknyelv/Child language
- 8 1. ZÁRTHELYI DOLGOZAT/1ST WRITTEN EXAM
- 9 Az emlékezés folyamata/The process of memory
- 10 Emlékezés és agy/Memory and brain
- 11 Elveszett emlékek/Lost memories
- 12 Az emlékezés megbízhatósága, emlékezeti illúziók/Reliability of memory, memory illusions
- 13 2. ZÁRTHELYI DOLGOZAT/2ND WRITTEN EXAM
- 14 JAVÍTÓ-/PÓTLÓ ZH ALKALOM – REPLACEMENT OPPORTUNITY

Lecturers participating in teaching

Dr. Lukács Ágnes

Dr. Szöllősi Ágnes

Approval and validity of subject requirements

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