SUBJECT DATASHEET

Vision, Language, Memory

BMETE47A015

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Vision, Language, Memory

ID (subject code)	BMETE47A015

Type of subject
contact hour unit

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	0
Laboratory	0

Type of assessment
term grade

Number of credits
3

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Németh Kornél	assistant professor	nemeth.kornel@ttk.bme.hu

Educational organisational unit for the subject
External department

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

Language of the subject
magyar - HU

Curricular role of the subject, recommended number of terms
Programme: **Business administration and management Bachelor's Programme from 2021/22/Term 1**
Subject Role: **Compulsory elective**
Recommended semester: **5**

Programme: **Communication and media studies Bachelor's Programme compulsory subjects from 2018**
Subject Role: **Compulsory elective**
Recommended semester: **0**

Programme: **International Management Bachelor's Programme from 2018/19/Term 1**
Subject Role: **Compulsory elective**
Recommended semester: **5**

Programme: **International Management Bachelor's Programme from 2020/21/Term 1**
Subject Role: **Compulsory elective**
Recommended semester: **5**

Programme: **Finance and Accounting Bachelor's Programme from 2019/20/Term 1**
Subject Role: **Compulsory elective**
Recommended semester: **5**

Programme: **Business Administration and Management Bachelor's Programme from 2018/19/Term 1**
Subject Role: **Compulsory elective**
Recommended semester: **5**

Direct prerequisites

Strong	None
Weak	None
Parallel	None
Exclusion	None

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 the-ories, 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 lan-guage 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 trac-es? 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.

Academic results

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.

Skills

1. The student can understand and critically view the results of research and topics on cognitive sci-ence.
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.

Independence 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.

Teaching methodology

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 assessment methods

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

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

Percentage of exam elements within the rating

Conditions for obtaining a signature, validity of the signature

Issuing grades

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

Retake and late completion

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 stu-dent is taken into account.

Coursework required for the completion of the subject

28

40

22

90

Approval and validity of subject requirements

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III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

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 Magasabbszintű látás, kategóriák az emberi agyban 1./Higher order vision, cítegories in the brain 1.
4 Magasabbszintű látás, kategóriák az emberi agyban 2./ Higher order vision, cítegories 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

Additional lecturers

Dr. Lukács Ágnes
Dr. Szőllősi Ágnes

Approval and validity of subject requirements

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