SUBJECT DATASHEET

Science Communication 2

BMEGT41A116

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
Science Communication 2

ID (subject code)	BMEGT41A116

Type of subject
contact hour

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	2
Laboratory	0

Type of assessment
exam grade

Number of credits
6

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Kutrovátz Gábor	associate professor	kutrov@filozofia.bme.hu

Educational organisational unit for the subject
Department of Philosophy and History of Science

Subject website
https://www.filozofia.bme.hu/

Language of the subject
magyar - HU

Curricular role of the subject, recommended number of terms
Programme: **Communication and media studies Bachelor's Programme from 2021/22/Term 1**
Subject Role: **Compulsory elective**
Recommended semester: **4**

Direct prerequisites

Strong	Tudománykommunikáció 1.
Weak	None
Parallel	None
Exclusion	None

Validity of the Subject Description
Approved by the Faculty Board of Faculty of Economic and Social Sciences, Decree No: 580672/5/2023 registration number. Valid from: 25.10.2023.

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The aim of the course is to acquaint students with conflicts against science and acquire skills that help them stand up for it. In the first part of the course, they get taught scientific problems that also affect society (climate change, genetic engineering, nuclear energy) and the debate between pseudoscience and science. Students can see examples of successful scholarly science communicators trying to help build awareness in society through lectures, documentaries, talk shows, or just movies. This section also presents different opportunities and challenges within the profession, like being a research group, institution, or zoo communicator. The second part of the course focuses on science communication toolboxes, such as language, presentation, visuality, and humor. The course helps students to succeed in the science communication profession with team and individual works.

Academic results

Knowledge

1. Solid knowledge of the most important social science conceptualizations needed to study the communication phenomena
2. Solid knowledge of the conceptualization for studying social processes
3. Solid knowledge of conceptualization for studying communication and media phenomena

Skills

1. Ability to recognize social and communication problems, and to choose appropriate solutions
2. Ability to make judgements in practical tasks, ability to make independent decisions
3. Analytical skills

Attitude

1. Openness to social change
2. Professional and moral stance
3. Openness to self-criticism and self-improvement

Independence and responsibility

1. Adoption and enforcement of professional standards
2. Proficiency in professional communication both in oral and written form
3. Responsible, professionally based social presence

Teaching methodology

Presentations, analytical practices, projects, individual and teamwork, written and oral offline and online communication, audiovisual and presentational techniques, usage of online social platforms.

Materials supporting learning

- Beck Mihály (2010) Humor a tudományban. Budapest: Akadémia.
- Bubik Veronika és tsai (2013) szerk. Vizualizáció a tudománykommunikációban. Budapest: Eötvös Loránd Tudományegyetem.
- Collins, H. M. és Evans, R. (2002) The Third Wave of Science Studies: Studies of Expertise and Experience. Social Studies of Science 32(2): 235–296.
- van Dam, Frans és tsai. (2020) szerk. Science Communication. An Introduction. Singapore: World Scientific.
- Kutrovátz Gábor és tsai. (2008) A tudomány határai. Budapest: Typotex.
- Leßmöllmann, Annette és tsai. (2020) szerk. Science Communication. Boston–Berlin: De Gruyter.

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The assessment of the formulated learning outcomes. Condition of signature: 70% participation of the classes. If the student has not come for 70% of the classes, they cannot get the signature.

Performance assessment methods

Partial performance evaluation (project): following the course materials of the semester, the student prepares, presents, and critiques a science communication project that the student can make individually or in teams Partial performance evaluation (homework): preparation
and presentation of analyzes, short written, or audio/visual materials related to theoretical backgrounds. Partial performance evaluation (active participation): 70% active participation of the classes. If the student has not come for 70% of the classes, they cannot get the signature.

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

- **részteljesítmény értékelés (házi feladatok)**: 40
- **aktív órai részvétel**: 20
- **összesen**: 60

Percentage of exam elements within the rating

- **részteljesítmény-értékelés (projektfeladat)**: 40
- **összesen**: 40

Conditions for obtaining a signature, validity of the signature

Az aláírás megszerzésének feltétele: 70%-os aktív jelenlét az órákon. Ha a hallgató nincs jelen az órák 70%-án, nem kaphatja meg az aláírást.

Issuing grades

Excellent	91
Very good	86-90%
Good	74-85%
Satisfactory	62-73%
Pass	50-61%
Fail	0-49%

Retake and late completion

A javítás és pótlás rendjét a hatályos TVSZ szabályozza. A teljesítményértékelések közül egy házi feladat pótolható/javítható a pótlási héten.

Coursework required for the completion of the subject

Participation in contact hours	56
Preparation for execises	20
Preparation for midterm exams	40
Preparation for homework	36
Preparation for project	28
összesen	180

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 09.10.2023.

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

1. Ismétlés. Követelmények és tematika ismertetése. 2. Tudósztereotípiák, híres tudománykommunikátorok 3. Humor a tudományban 4.
Előadástechnika 5. Tudománykommunikáció a közösségi médiában 6. Komplex tudományos projektek 7. Nem hagyományos színterek 8.
Nem hagyományos színterek 9. Tudományos kríziskommunikáció 10. Szakértőiség és GMO-k 11. Atomenergia és klímaváltozás 12. Áltudományok, esettanulmányok, stratégiák

Additional lecturers

Karakas Alexandra	egyetemi adjunktus	karakas.alexandra@gtk.bme.hu
Egres Dorottya	egyetemi adjunktus	egres.dorottya@gtk.bme.hu

Approval and validity of subject requirements