COURSE MODULE OUTLINE

(1) General Information

SCHOOL	Human Sciences		
PROGRAM COURSE	Science Communication		
LEVEL OF STUDY	M.Sc.		
COURSE UNIT CODE	**EEP12**	**Semester**	**1st**
COURSE TITLE	**Philosophy of Science**		
INDEPENDENT TEACHING ACTIVITIES *in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the totalcredits*		**Workload for students**	**CREDITS**
Workload for students: 21-23 hours x 13 weeks		**280-300**	**10 ECTS**
Add rows if necessary. The organization of teaching and the teaching methods used are described in detail under section 4			
COURSE TYPE Compulsory, Optional, Optional mandatory	Compulsory		
PREREQUISITE COURSES:	No prerequisite courses		
LANGUAGE OF INSTRUCTION AND EXAMS:	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://www.eap.gr/en/science-communication/topics/#e12 Each module has its own space in the Learning Management System of EAP (https://courses.eap.gr/login/index.php), with controlled access (use of code) for students and teaching staff.		

(2) LEARNING OUTCOMES

Learning Outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. Itisnecessarytoconsult:

APPENDIX A

- *Description of the level of learning outcomes for each level of study, in accordance with the European Higher Education Qualifications' Framework.*
- *Descriptive indicators for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and*

APPENDIX B

- *Guidelines for writing Learning Outcomes*

Upon successful completion of the EEP12, the student is expected to:
Analyze and present controversial issues of science and technology to the public.
Decode scientific controversies and document the views of the parties involved.
Identify and present the anthropological, class and gender dimension of the truth claims of the dominant model of technoscience.
Assess the ethical dimension of critical scientific and technological decisions.
Participate in scientific and technological policy formulation processes.

General Competences

Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?

Search for, analysis and synthesis of data and information by the use of appropriate technologies,
Adapting to new situations
Decision-making
Individual/Independent work
Group/Team work
Working in an international environment
Working in an interdisciplinary environment
Introduction of innovative research
Project planning and management
Respect for diversity and multiculturalism
Environmental awareness
Social, professional and ethical responsibility and sensitivity to gender issues
Critical thinking
Development of free, creative and inductive thinking
……
(Other…….citizenship, spiritual freedom, social awareness, altruism etc.) …….

- Adaptation to new situations
- Decision making
- Autonomous work
- Teamwork
- Work in an international environment
- Work in an interdisciplinary environment
- Generation of new research ideas
- Project planning and management
- Respect for diversity and multiculturalism
- Respect for the natural environment
- Demonstrate social, professional and ethical responsibility and sensitivity to gender issues
- Exercise criticism and self-criticism
- Promotion of free, creative and inductive thinking

(3) COURSE CONTENT

The beginnings of the modern philosophy of science: The importance of experience.
The use of the Reason. The Kantian synthesis
The philosophy of science in the 19th and early 20th centuries. Logical empiricism, verification and

validation. Popper and refutation.
The historicist turn and theories of scientific change
Sociological and anthropological approaches to the problem of scientific knowledge.
Social constructivism and actor-network theory

(4) TEACHING METHODS--ASSESSMENT

MODES OF DELIVERY *Face-to-face, in-class lecturing, distance teaching and distance learning etc.*	Distancelearning, complemented by: • 3 Group Feedback Meetings • Personal communication and feedback, when asked for by students.
	Remote meetings tools (webex) and presentation software (e.g., PowerPoint). Additionally, students use office automation tools, web browsers, and e-readers for digital books.
COURSE DESIGN *Description of teaching techniques, practices and methods: Lectures, seminars, laboratorypractice, fieldwork, study andanalysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc.* *The study hours for each learning activity as well as the hours of selfdirected study are given following the principles of the ECTS.*	

Activity/Method	*Semesterworkload*
Personal Study (12-13 hours x 13 educational weeks)	**149-169**
2 activities (2 x 30 hours)	**60**
3 Group Feedback Meetings (3 x 4 hours)	**12**
1 semester essay	**54**
Written exams	**5**
Total	**280-300**

STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS *Detailed description of the evaluation procedures:* *Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other……etc.* *Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students.*	Elaboration of written assignments during the academic semester with a weighting factor in the formation of the final grade by 40%. Final written exams, the grade of which participates in forming the final grade by 60%. For further information go to the H.O.U. Study Guide: https://www.eap.gr/wp-content/uploads/2022/03/kanonismos-spoudwn-isxys-apo-to-didaktiko-etos-2022-2023.pdf

(5) SUGGESTED BIBLIOGRAPHY:

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