

# PHILOSOPHY OF SCIENCE

1	Course Title:	PHILOSOPHY OF SCIENCE
2	Course Code:	FLS0534
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	none
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi VEHBİ METİN DEMİR
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Dr. Öğretim Üyesi V. Metin Demir vmetindemir@uludag.edu.tr; Uludağ Üniversitesi Felsefe Bölümü Fen-Edebiyat Fakültesi, 16059 Görükle, Bursa - Türkiye. Tel: +90 224 2941826
17	Website:	
18	Objective of the Course:	The objective of this course is to introduce basic concepts and problems of philosophy of science.
19	Contribution of the Course to Professional Development:	Understanding the basic structure and philosophical aspects of science would help to comprehend contemporary problems
20	Learning Outcomes:	
	1	The student will be able to distinguish the concepts, questions and problems of philosophy of science.
	2	The student will be able to analyze philosophy of science by showing the differences between analytic philosophy from other disciplines in philosophy
	3	The student will be able to evaluate the problems of philosophy of science.
	4	student will be able to apply the problems of philosophy of science to his/her Age.
	5	The student will be able to comprehend the relationship between philosophy of science and history of science.
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	What is Science? Relations of Science-philosophy- philosophy of science	

2	A concise history of science	
3	Logic + Experience: Logical positivism	
4	Affirmation and the problem of Induction	
5	Popper: Falsificationism and progress in science	
6	The standpoint of history of science: Kuhn	
7	Paradigmshifts and The Structures of Scientific Revolutions	
8	Midterm exam	
9	Lakatos and Research Programs	
10	Postmodernism in philosophy of science: Feyerabend and feminist epistemology	
11	Sociology of science and Latour	
12	Naturalism in philosophy of science: Quine	
13	Does sciences show the reality: The realism debate	
14	What does science explain? The problem of scientific explanation	

22	Textbooks, References and/or Other Materials:	<p>Peter Godfrey-Smith (2023) Kuram ve Gerçeklik: Bilim Felsefesine Giriş, Babil Yayıncılık, İstanbul</p> <p>Çüçen, Kadir (2013) Bilim Felsefesine Giriş, Sentez Yayıncılık, Bursa.</p>
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Activites		Number	Duration (hour)	Total Work Load (hour)
Midterm Exam	1	30.00	2.00	28.00
Theoretical	1	14.00		
Practicals/Labs		0	0.00	0.00
Home work-project	1	20.00	4.00	40.00
Self study and preperation		10		
Homeworks		5	3.00	15.00
Total Projects	3	100.00	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams	1		15.00	15.00
Contribution of Final Exam to Success Grade		50.00		
Others		0	0.00	0.00
Total Final Exams		100.00	20.00	20.00
Total Work Load				118.00
Total work load/ 30 hr				3.93
<b>24. ECTS / WORK LOAD TABLE</b>				
ECTS Credit of the Course				4.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	2	3	2	3	1	0	3	3	2	2	0	0	0	0	0
ÖK2	2	2	3	0	2	1	3	2	3	2	4	0	0	0	0	0
ÖK3	2	2	2	1	4	2	2	3	1	4	2	0	0	0	0	0
ÖK4	2	1	2	2	3	0	3	3	1	3	2	0	0	0	0	0

ÖK5	1	2	3	1	1	2	3	1	3	1	2	0	0	0	0	0
LO: Learning Objectives   PQ: Program Qualifications																
Contrib ution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							