

# THEORIES OF PHILOSOPHY OF SCIENCE

1	Course Title:	THEORIES OF PHILOSOPHY OF SCIENCE	
2	Course Code:	FEL5104	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
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:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. IŞIK EREN	
15	Course Lecturers:	Prof. Dr. A. Kadir ÇÜÇEN, Doç.Dr. Metin Becermen	
16	Contact information of the Course Coordinator:	Prof. Dr. A. Kadir ÇÜÇEN Kadir@uludag.edu.tr; Uludağ Üniversitesi Felsefe Bölümü Fen-Edebiyat Fakültesi, 16059 Görükle, Bursa - Türkiye. Tel: +90 224 2941826	
17	Website:	<a href="http://felsefe.uludag.edu.tr/site/node/153">http://felsefe.uludag.edu.tr/site/node/153</a>	
18	Objective of the Course:	The objective of the course is to make considerations regarding the approach of philosophy to the problems of science and to evaluate the theoretical framework of this philosophical approach which tries to give suggestions in order to solve the problem of science.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To see a philosophical problem and reasoning about it.
		2	To identify the problem of science in contemporary philosophy.
		3	To see the look of the science philosophers upon the problem.
		4	To understand the problem of science in a historical context
		5	To explain the structure, methods and verification conception of science.
		6	To recognize contemporary science discourse..
		7	To interpret science with a post-modern look.
		8	
		9	
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Explaining the relation between philosophy and science.		

2	Analyzing the problem of knowledge.	
3	Explaining science and scientific reasoning.	
4	Explaining the scientific method.	
5	Comparing classic and modern science.	
6	Explaining the conception of science in logical positivism.	
7	Explaining Karl Popper's notion of science.	
8	Explaining Wittgenstein's notion of science	
9	Explaining Thomas Kuhn's notion of science	
10	Explaining Feyerabend's and Lakatos' notion of science	
11	Explaining post-modern notion of science	
12	Analyzing the relation between science and technology.	
13	Analyzing the relation between environmental problems and science.	
14	General evaluation or comments	

22	Textbooks, References and/or Other Materials:	Paul Karl Feyerabend, Realism, rationalism and scientific method, Cambridge Univ. Press, 1995. John, Losee, Bilim Felsefesine Tarihsel Bir Giriş, Dost Kitabevi, Ankara, 2008. Karel Lambert ve Gordon G. Brittan, Bilim Felsefesine Giriş, Nobel Yayınları, Ankara, 2011
----	---	---

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	Doğan Özlem, Bilim Felsefesi, İnkılap Kitabevi, İstanbul. 2005. Wittgenstein Ludwig. Tractatus Logico-Philosophicus. İstanbul Kabaıcı Yayınları, 1995.	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	Öztürk Mehmet Fatih Sulfan "Quine Doçallastırılmış" 14	4.00	56.00
Homeworks	0	0.00	0.00
Projects	Dünya, 2007/1, Sayı 4 Macee. B. Karl Popper'in Bilim Felsefesi ve Sivaset	10.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	Lakatos, I. ve Musarave, A. Biliminin Gelişimi, çev.: H. Arslan. Paradioma. İstanbul 1992.	18.00	18.00
Others	0	0.00	0.00
Final Exams	Taymıncık, İstanbul 1982 Reichenbach, J. H. Bilimsel Felsefenin Doğusu, çev.: C.	18.00	18.00
Total Work Load			120.00
Total work load/ 30 hr	Russell, Bertrand, Din ve Bilim, çev.: Akşit Gökçürk, Say Kitap Paz., İstanbul 1983.	4.00	4.00
ECTS Credit of the Course			4.00

23	Assesment	
TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	30.00
Quiz	0	0.00
Home work-project	5	20.00
Final Exam	1	50.00
Total	7	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00
Contribution of Final Exam to Success Grade		50.00
Total		100.00

**24 ECTS / WORK LOAD TABLE****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	4	4	4	2	4	2	3	3	3	4	4	4	4	0	0
ÖK2	4	4	4	4	4	2	4	4	4	4	4	4	4	4	0	0
ÖK3	2	3	3	4	4	3	4	4	4	4	3	4	4	4	0	0
ÖK4	4	4	4	3	4	4	3	3	4	3	4	3	4	4	0	0
ÖK5	3	4	3	4	4	4	3	4	4	4	4	4	4	4	0	0
ÖK6	4	3	4	4	4	5	5	3	5	4	3	4	4	4	0	0
ÖK7	5	2	4	4	4	2	3	4	3	3	4	4	4	4	0	0

**LO: Learning Objectives PQ: Program Qualifications**

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
----------------------------	-------------------	--------------	-----------------	---------------	--------------------