

THEORIES OF PHILOSOPHY OF SCIENCE

1	Course Title:	THEORIES OF PHILOSOPHY OF SCIENCE
2	Course Code:	FEL5102
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:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi VEHBİ METİN DEMİR
15	Course Lecturers:	Prof. Dr. A. Kadir ÇÜÇEN, Prof. Dr. Metin Becermen
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:	http://felsefe.uludag.edu.tr/site/node/153
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:	It is an elective subject in field knowledge and is a must for professional development since it is a course in which the problems of science are addressed.
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.
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21	Course Content:	
	Course Content:	
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.
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	Özkan, 1999. Ömer Demir, Bilim Felsefesi, Sentez Yayınları, Bursa, 2006.	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	Wittgenstein Ludwig, Tractatus Logico-Philosophicus, 1921. Ö. N. M. Ç. Bilim Felsefesi, İstanbul 1992.	2.00	58.00
Homeworks	0	0.00	0.00
Projects	Öztürk, Mehmet Fatih Sultan, "Quine, Doğallarılmış Felsefesi ve Felsefeliğin Normatif Yönü", Felsefe Dergisi, İstanbul 1992.	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	Magee, B. Karl Popper'in Bilim Felsefesi ve Siyaset Kuramı, İstanbul 1992.	18.00	18.00
Others	0	0.00	0.00
Final Exams	Arslan, Paradigma, İstanbul 1992. Kuhn, T. Bilimsel Devrimlerin Yapısı, çev.: N. Kuvşun, Akademi Yayıncılık, İstanbul 1981.	18.00	18.00
Total Work Load			120.00
Total work load/ 30 hr	Reichenbach, J. H. Bilimsel Felsefenin Doğuşu, çev.: C. Yıldırım, İstanbul 1981.		4.00
ECTS Credit of the Course			4.00
	Kitap Paz., İstanbul 1983.		

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									
Measurement and Evaluation Techniques Used in the Course								Conducting and presenting research, participating in class and writing articles.									
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																	
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High				