AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Discussions of History and Philosophy of Science							
Course Code	FLSF633			Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	124 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	This course introduces the core problems in the philosophy of science, in particular the debates about the nature of the scientific method, theories of confirmation, and the demarcation of science from non-science, the rationality of theory change, and scientific realism. Participants will be introduced to the key thinkers in philosophy of science, and metaphysical bases of science and scientific theories.							
Course Content	This course provides an introduction to problems of philosophy of science beginning with the origins of modern science in the Scientific Revolution in the sixteenth and seventeenth centuries, and provides main thoughts in contemporary controversies among 20.th century philosophers of science including the debate about the various forms of scientific thought.							
Work Placement	N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion				
Name of Lecturer(s)								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Tekeli, S. Ve diğ. Bilim Tarihine Giriş, Nobel Akademik Yayıncılık, 2015, İstanbul.
2	Kuhn, T. S. Bilimsel Devrimlerin Yapısı, çev. Nilüfer Kuyaş, Kırmızı Yayınları, 2017, İstanbul.
3	Popper, K. Bilimsel Araştırmanın Mantığı, çev. İlknur Aka ve İbrahim Turan, Yapı Kredi Yayınları, 2019, İstanbul.
4	Feyerabend, P. Yönteme Karşı, çev. Ertuğrul Başer, Ayrıntı Yayınları, 2010, İstanbul.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to History of Science
2	Theoretical	Science in Sumer, Babylon and Ancient Egypt
3	Theoretical	Science in Ancient China
4	Theoretical	Science in Ancient Civilizations of India
5	Theoretical	Emergence of Science in Medieval Islamic Civilization
6	Theoretical	The Rise of Science in Medieval Islamic Civilization
7	Theoretical	Science in Renaissance
8	Practice	Mid-term Exam
9	Theoretical	Emergence of Modern Science
10	Theoretical	Modern Science in Our Times
11	Theoretical	The Emergence of the Philosophy of Science and the Vienna Circle
12	Theoretical	The Theory of Falsification: Popper and Lakatos
13	Theoretical	Paradigms of Science: Kuhn
14	Theoretical	Scientific Method Discussions and Feyerabend
15	Theoretical	General Discussions

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Reading	14	0	4	56
Midterm Examination	1	10	3	13

Final Examination	1	10	3	13
			Total Workload (Hours)	124
		[Total Workload (Hours) / 25*] = **ECTS**		5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Learning problems in the Philosophy of Science.
2	Comprehending the fundamental thesis about the problems of philosophy of science.
3	Founding out the metaphysical foundations of science.
4	Counciousness about the results of science, absolute positivism and dealing with critique about this.
5	To be able to link Philosophy of Science with history of science

Programme Outcomes *(Philosophy Doctorate)*

1	By deepening the rooted vision that has been built on the masters proficiency, to be able to create an origin philosophical solution to a specific problem.
2	Being able to systemize, analyze and critically evaluate philosophical knowledge, being able to conduct an independent philosophical research and gaining expertise in the field
3	To be able to comprehend the source and position of a specific philosophical issue in the history of philosophy and being able to realize its contemporary social value
4	To be able to access and understand the recent work of contemporary thinkers and being capable of genuine interpretation
5	To be able to contribute to the wellbeing of society by pursuing an academic education at advanced level

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P2					1
P3					2
P4	1			1	1
P5	1	2	2	2	