

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title Philosophy of Science								
Course Code	EYT612		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit 5	Workload	125 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course This course aims to develop comprehension about the foundations of educational administration amount the doctorate candidates of educational administration					among			
Course Content Science, Positivism, post-po scientific revolutions, objecti					nce, methods	in science, a	narchist science th	nought,
Work Placement N/A								
Planned Learning Activities and Teaching Methods			Explanation	(Presenta	tion), Discussi	on, Case Stu	udy, Individual Stu	dy
Name of Lecturer(s)								

Assessment Methods and Criteria				
Method	Quantity	Percentage (%)		
Midterm Examination	1	40		
Final Examination	1	60		

Reco	mmended or Required Reading
1	Demir, Ö. (2018) Bilim felsefesi, Bursa: Sentez Yayıncılık
2	Frank, P. (2017) Bilim felsefesi: Bilim ve felsefe arasındaki bağ, Çeviren: Dilek Kadıoğlu, İstanbul: Say Yayınları
3	Gillies, D. (2018) Yirminci yüzyılda bilim felsefesi: Dört ana tema, Çeviren: Melis Tuncel, Ankara: Nobel Yayıncılık
4	Gimbel, S. (2017) Bilimsel yöntemin izinde: Bilim felsefesinin öğretilmesinde yeni bir yaklaşım, Çeviren: Özlem Ünlü, Ankara: Dipnot Yayınları
5	Güzel, C. (2014) Bilim felsefesi, Ankara: Bilgesu Yayınları
6	Kabadayı, T. (2011) Duhem'dan Laudan'a çağdaş bilim felsefecileri, Ankara: Bilgesu Yayınları
7	Lecourt D. (2001) Bilim felsefesi, Çeviren: Işık Ergüden, Ankara: Dost Kitabevi
8	Losee, J. (2012) Bilim felsefesine tarihsel bir giriş, Çeviren: Elif Derviş, Ankara: Dost Kitabevi
9	Özlem, D. (2016) Bilim felsefesi, İstanbul: Notos Kitap Yayıncılık
10	Rosenberg, A. (2017) Bilim felsefesi: çağdaş bir giriş, Çeviren: İbrahim Yıldız, Ankara: Dipnot Yayınları
11	Yıldırım, C. (2012) Bilim felsefesi, İstanbul: Remzi Kitabevi

Week	Weekly Detailed Course Contents					
1	Theoretical	Introduction				
2	Theoretical	What is science? Concepts of science, the problem of scientificality				
3	Theoretical	Francis Bacon: Epagoge of Aristo and reasoning of Bacon				
4	Theoretical	Common method in the philosophy of reasonable positivism: Deductive-theory scientific of suitable theory model				
5	Theoretical	Post-positivism and scientific view to the science. Metaphysic-science conflict				
6	Theoretical	Theories of possiblity, different variables towards possiblity, possibility in science and scientific research				
7	Theoretical	Alexandre Koyré: Studies on the history of science				
8	Intermediate Exam	Midterm Exam				



9	Theoretical	Karl R. Popper: Logic of scientific research
10	Theoretical	Quine-Duhem: Two dogmas of empricism
11	Theoretical	Imre Lakatos: Methodology of research programs
12	Theoretical	Paul K. Feyerabend: Anarchist science view
13	Theoretical	Thomas Kuhn: Structure of scientific revolutions
14	Theoretical	Relativity, objectivity in science and the value of science
15	Theoretical	General Evaluation
16	Final Exam	Final Exam

Workload Calculation						
Activity	Quantity	Preparation	Duration	Total Workload		
Lecture - Theory	14	5	3	112		
Midterm Examination	1	5	1	6		
Final Examination	1	6	1	7		
	125					
[Total Workload (Hours) / 25*] = ECTS 5						
*25 hour workload is accepted as 1 ECTS						

Learning Outcomes					
1	To be able to interpret the relationship between science and philosophy				
2	To be able to analyze critically different and alternative approaches in philosophy of science				
3	To be able to analyze the relationship between philosophy of science and doing scientific research in educational administration				
4	To be able to analyze the scientific characteristics of educational administration				
5	To be able to compose the philosophical basis for designed research and science activities				

Programme Outcomes (Educational Administration Supervision Planning and Economics Doctorate) 1 Deepening common knowledge accumulation concerning the educational science in the frame of basic theory and practices of EASPE (Educational Administration Supervision Planning and Economics).

- 2 Analyzing sub-subjects of Educational Administration Supervision Planning and Economics.
- Comprehending the relationship between the other disciplines like sociology, philosophy, administration, economy, politics and EASPE (Educational Administration Supervision Planning and Economics), conducting interdisciplinary studies on the basis of internalized knowledge and skills
- 4 Applying accumulated knowledge related to EASPE to improve and managing educational organizations in different levels.
- Defining problems in administration and supervision of educational system and developing new perspectives in the light of knowledge gathered from the other disciplines
- 6 Defining problems of EASPE in the frame of scientific problem solving; developing solution proposals by using quantitative and qualitative research methods
- 7 Getting skills of using statistical software in order to carry out scientific research and using required technologies.
- 8 Developing solution models in the light of theories and approaches of EASPE and applying the models to whole system.
- Getting knowledge and research methods in order to carry out original scientific researches in the field of EASPE and applying team works for efficient results in interdisciplinary studies
- Handling theories, hypothesis, opinions in the field of EASPE with an objective skeptic, logical, analytical manner and evaluating them in critical point of view.
- Being aware of lifelong learning in terms of the field of EASPE and personal development and internalizing the principles of lifelong learning, personal development
- Transferring the current developments and scientific studies to the people and institutions in and out of the field by visually, verbally, systematically and in written



- Managing the social dynamics of relationships in order to enact people and applying needed leadership strategies in social and educational environments
- Following national and international publications and attending social interactions and scientific studies in international level; communicating in at least in one foreign language at least in order to share studies international level.
- Interpreting strategies, politics and plans related to educational system in terms of theories and principles of educational administration and supervision; and evaluating the results in terms of international quality standards.

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

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	5	5	5	5	5
P11	5	5	5	5	5
P12	5	5	5	5	5
P13	5	5	5	5	5
P14	5	5	5	5 ¶	5
P15	5	5	5	5	5

