



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		History of Science and History of Philosophy							
Course Code		EFS150		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To give information about science, philosophy and scientific method; to inform about the formation of scientific knowledge from the first civilizations to the present day; classification of sciences; to provide students with knowledge about science and paradigm.							
Course Content		Science, philosophy, scientific method; Ancient Greek, Medieval Europe, Scholastic philosophy and science; Science and philosophy in Islamic culture; Science in Mesopotamia; Science and philosophy in Renaissance Europe; science and philosophy in the age of enlightenment; classification of sciences; science, science (science), ideology, ethics and religion; science and paradigms; Schools of thought in Vienna and Frankfurt; Science criticism in the twentieth and twenty-first centuries.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Assoc. Prof. Burak FEYZİOĞLU							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Bilim Tarihine Giriş, Nobel Yayınevi, Sevim Tekeli, Esin Kahya, Melek Dosay, Remzi Demir, Yavuz Unat
2	Bilim Felsefesi, Anı Yayıncılık, Veysel Sönmez
3	Bilim Tarihi, Tübitak Akademik Dizi, Colin A. Ronan
4	Bilim, Teknoloji ve Sosyal Değişme, Bahri Ata (Editör), Pegem Yayıncılık

Week	Weekly Detailed Course Contents	
1	Theoretical	Course contents and definition
2	Theoretical	Science, philosophy, scientific method
3	Theoretical	Empirical science in ancient civilizations
4	Theoretical	Science in Mesopotamia
5	Theoretical	Science in ancient Greece
6	Theoretical	Medieval Europe, Scholastic philosophy and science
7	Theoretical	Science and philosophy in Islamic culture geography
8	Intermediate Exam	Midterm exam
9	Theoretical	Science and philosophy in Renaissance Europe
10	Theoretical	Science and philosophy in the age of enlightenment
11	Theoretical	Classification of sciences
12	Theoretical	Science, science (science), ideology, ethics and religion
13	Theoretical	Science and paradigms
14	Theoretical	Schools of thought in Vienna and Frankfurt
15	Theoretical	Science criticism in the twentieth and twenty-first centuries
16	Final Exam	FINAL EXAM

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	12	0	2	24
Individual Work	9	0	1	9
Midterm Examination	1	0	6	6



Final Examination	1	0	8	8
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	To be able to understand the birth and spread of scientific theories by using historical information
2	The history of science and the effects of social theories on the development process,
3	History of science interrelates with other intellectual activities such as philosophy, religion and art
4	The history of science seeks to recognize the importance of scientific knowledge in the formation of technical knowledge and the importance and importance of individuals in their daily lives.
5	Within the functions of the philosophy of science, understanding the phenomena through description and explanation, understanding the logical structure and nature of science.

### Programme Outcomes (Science Teacher Education)

1	To be able to gain subject knowledge of profession in theory and practice in the learning process.
2	To be able to gain the competence of using the appropriate approach, strategy, method and technique for the instructional plans to be prepared in the learning process.
3	To be able to gain the skills of the teaching profession in the learning process.
4	To be able to implement teaching profession knowledge, skills, attitudes and habits related to the subject-matter in a real teaching and learning environment in the learning process.
5	To be able to comprehend contemporary approaches of education and the philosophy they are based on.
6	To be able to gain the basic skills such as comprehending, expressing, commenting, evaluating, being aware and enterprising, communicating, acknowledging the individual related to the subject-matter.
7	To be able to become individuals faithful to the Principles and Revolutions of Atatürk, be modern democratic, secular, protecting and developing one's country, being alive to the nation, respecting human rights, preserving the nature, not being discriminatory, giving importance to the traditions and customs, protecting the values
8	To be able to improve oneself in terms of sport, art and culture.
9	To be able to become individuals believing in lifelong learning.
10	To be able to gain the vision of being individuals who keep up with developments in social, economic, technological and scientific areas, who investigate the main reasons of World problems and try to contribute to the solutions of these problems.

### 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	4	5	5	5
P4	4	5	4	5	5
P5	5	5	5	5	
P6	5	5	5	5	4
P7	5	5	4	5	4
P8	4	5	5	4	4
P9	5	5	4	4	4
P10	5	5	4	4	5

