



**AYDIN ADNAN MENDERES UNIVERSITY**  
**GRADUATE SCHOOL OF HEALTH SCIENCES**  
**FUNDAMENTALS OF NURSING**  
**FUNDAMENTALS OF NURSING**  
**FUNDAMENTALS OF NURSING DOCTORATE**  
**COURSE INFORMATION FORM**

Course Title	Philosophy of Science								
Course Code	İHH621		Course Level		Third Cycle (Doctorate Degree)				
ECTS Credit	4	Workload	103 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	This course introduces the core issues in the philosophy of science, in particular the debates about the nature of the scientific method, theories of confirmation, the demarcation of science from non-science, the rationality of theory change, and scientific realism.								
Course Content	Characteristics of scientific knowledge in both natural and human sciences as well as its extension and main problems.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)	Prof. Talip KABADAYI								

#### Assessment Methods and Criteria

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

#### Recommended or Required Reading

1	Ayer, Alfred J., Dil, Doğruluk ve Mantık, (Çev. Vehbi Hacıkadiroğlu), İstanbul: Metis Yayınları, 1998
2	Güzel, Cemal (Ed.). Sağduyu Filozofu: Popper, Ankara: Bilim ve Sanat Yayınları, 1996
3	Güzel, Cemal (Ed.). Çoğulculuğun Kuramcısı: Lakatos, Ankara: Bilim ve Sanat Yayınları, 1999
4	Güzel, Cemal, Bilim Felsefesi, Ankara: Kırmızı Yayınları, 2010.
5	Kabadayı, Talip, Bilim Felsefesine Giriş, Aydın: Adnan Menderes Üniversitesi Yayınevi, 2009.
6	Kabadayı, Talip, Duhem'den Laudan'a Çağdaş Bilim Felsefecileri, Ankara: Bilgesu Yayınları, 2010.

Week	Weekly Detailed Course Contents	
1	Preparation Work	Book, Internet and Library Browsing
2	Theoretical	Attempts to find an answer to the question: "What is Science?"
	Preparation Work	Book, Internet and Library Browsing
3	Theoretical	A brief history of conceptions of science
	Preparation Work	Book, Internet and Library Browsing
4	Theoretical	Demarcation problem
	Preparation Work	Book, Internet and Library Browsing
5	Theoretical	Logical analysis, Logical positivism and verification on the basis of sense experience
	Preparation Work	Book, Internet and Library Browsing
6	Theoretical	Popper and falsification on the basis of sense experience
	Preparation Work	Book, Internet and Library Browsing
7	Theoretical	Lakatos and sophisticated falsificationism
	Preparation Work	Book, Internet and Library Browsing
8	Intermediate Exam	Midterm Exam
9	Theoretical	P.Duhem, E.Meyerson and A.Koyré's ideas on science
	Preparation Work	Book, Internet and Library Browsing
10	Theoretical	P.Duhem, E.Meyerson and A.Koyré's ideas on science
	Preparation Work	Book, Internet and Library Browsing
11	Theoretical	Duhem-Quine thesis and the verification on the basis of holism
	Preparation Work	Book, Internet and Library Browsing
12	Theoretical	T.Kuhn and the paradigms
	Preparation Work	Book, Internet and Library Browsing
13	Theoretical	Normal science, extraordinary science and paradigm changes



13	Preparation Work	Book, Internet and Library Browsing
14	Theoretical	Kuhn and verification on the basis of paradigms
	Preparation Work	Book, Internet and Library Browsing
15	Theoretical	General Remarks
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Midterm Examination	1	20	2	22
Final Examination	1	23	2	25
Total Workload (Hours)				103
[Total Workload (Hours) / Weekly Workload (25)] = ECTS				4

### Learning Outcomes

1	To be able to explain the fundamental problems of philosophy of science.
2	To be able to explain philosophical foundations of distinction of sciences.
3	To be able to explain results of absolute positivism and knowing critics about this

### Programme Outcomes (*Fundamentals of Nursing Doctorate*)

1	To be able to develop philosophical aspect specific nursing,
2	To be able to have comprehensive knowledge about Fundamentals of Nursing,
3	To be able to conduct independent research at a level to provide evidence for nursing care according to the research and publication ethics policy
4	To be able to role model at systematic presentation of nursing care
5	To be able to manage the systematic nursing care
6	To be able to use the nursing models at nursing care
7	To be able to leadership in the nursing care and nursing education
8	To be able to adapt the care practices involved in the subject areas of nursing fundamentals in accordance with current developments
9	To be able to develop methods for the nursing care with the help of innovative approaches
10	To be able to adapt the current approaches in education and training into the education of Fundamentals of Nursing
11	To be able to develop methods in the education of Fundamentals of Nursing with the innovative approaches
12	To be able to have a foresight about the future within the context of the historical process of nursing
13	To be able to efficiently use the written and verbal Turkish communicational skills

