

HISTORY OF SCIENCE

1	Course Title:	HISTORY OF SCIENCE
2	Course Code:	REH2011
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	3.00
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:	Prof. Dr. Abamüslim AKDEMİR
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	akdemir@uludag.edu.tr 0224 294 2189 Uludağ Üniversitesi
17	Website:	
18	Objective of the Course:	To investigate from a philosophical point of view, science, scientific reasoning and scientific change in the light of the development of science in history.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To distinguish between natural and social sciences.
	2	To learn the distinguishing properties of science.
	3	To recognize alternative conceptions of science.
	4	To understand the development of science in both ancient and medieval civilisations.
	5	To understand both the establishment and growth of modern science.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	To explain the nature of science. To show the difference between science and philosophy/religion.	
2	To classify sciences as natural, human and social sciences. To show their common and separate properties.	

3	To explain the positivistic conception of science.	
4	To explain postpositivistic views of science. scientific developments in the civilization of Ancient Greece and to relate it with social change.	
5	To explain the scientific developments in the civilizations of China, India and Middle Asia.	
6	To explain the scientific developments in the civilization of Ancient Greece. Astronomy, medicine and mathematics in Hellenic period.	
7	Science in Hellenistic period.	
8	Science in the Middle Age.	
9	The Growth Science in Islamic world.	
10	The Growth of Science in modern world. The Growth of modern astronomy.	
11	Scientific revolution in 17 th century. Science in Newton, Kepler and Galileo.	
12	The Development of Social Sciences in the Enlightenment.	
13	The development of Science and technology in 19th century.	
14	Contemporary Science.	

22	Textbooks, References and/or Other Materials	Hüseyin Gazi Topdemir, Bilim Tarihi, Pegem Yayınları, Ankara, 2009.		
Activities		Number	Duration (hour)	Total Work Load (hour)
Theoretical		1	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		14	2.00	28.00
22	Assessment			
Homeworks		1	42.00	42.00
Projects	R	0	0.00	0.00
Field Studies		0	0.00	0.00
Quiz	0	0	20.00	20.00
Midterm exams		0	0.00	0.00
Others		0	0.00	0.00
Final Exams	1	50.00	18.00	18.00
Total Work Load				150.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00		5.00
ECTS Credit of the Course				5.00
Contribution of Final Exam to Success Grade		50.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				

24	ECTS / WORK LOAD TABLE
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ÖK3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			