

HISTORY OF SCIENCE

1	Course Title:	HISTORY OF SCIENCE
2	Course Code:	TTE5007
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	German
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi KAMİL DOĞANCI
15	Course Lecturers:	Prof. Dr. Zeynep Dörtok Abacı
16	Contact information of the Course Coordinator:	Doç. Dr. Kamil Doğancı e-mail: kamil@uludag.edu.tr Tel: (224) 2941864 Adres: Fen Edebiyat Fakültesi, Tarih Bölümü, E Blok, Oda No: 40 16059 - Görükle Yerleşkesi, Nilüfer-BURSA
17	Website:	
18	Objective of the Course:	To investigate 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 see and think about the practice of science in the historical process.
	2	To understand the change and development process of science in regard with civilizations
	3	To understand the living conditions of the scientists and their relations of producing science
	4	To acquire the consciousness of the necessity of science
	5	To grasp the structure and thought behind the scientific discovery
	6	To explain science with regard to the living conditions and political, economical structure of the period
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Science and Technology in the Prehistoric Ages	

2	Science in Ancient Time: Chinese, Indian and Central Asian Science	
3	Scientific Developments in Egypt, Mesopotamia and Anatolia	
4	Ancient Greek Science	
5	The Roman Contributions to Science	
6	Science in the Medieval Christian World	
7	Medieval Islamic World Science	
8	The Turkish Adoption of Islam and Scientific Developments in this Period	
9	Renaissance	
10	The Scientific Revolution and the Enlightenment Period	
11	Science in the Ottoman Empire	
12	Scientific Developments in the Modern Era	
13	Science in Turkey in the Republican Period	
14	Overall Assessment and Discussion	

22	Textbooks, References and/or Other Materials:	Colin A. Ronan, Bilim Tarihi, Tübitak Yayınları, Ankara, 1983. Bahri Ata, Bilim, Teknoloji ve Sosyal Değişme, Pegem Akademi, 2010.
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preparation		15	2.67	40.00
Homeworks		0	0.00	0.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Mid-term exams		0	0.00	0.00
Others		8	5.00	40.00
Final Exams		1	14.00	14.00
Total Work Load				150.00
Contribution of 30 h (Year) Learning Activities to ECTS Credit of the Course		0.00		5.00
ECTS Credit of the Course				4.00
Contribution of Final Exam to Success Grade		100.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0

ÖK2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	3	0	0	0	0	0	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			