



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Science, Technology and Society							
Course Code		SBÖ254		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To understand the developments in science and technology with a historical perspective and to discuss the effects of these developments on social life.							
Course Content		The impact of science and technology on the past and present, the effects of science and technology on social change, the common scientific heritage of humanity, the famous Turkish and foreign scientists, the impact of life on contemporary scientific developments such as tissue and organ transplantation, nano-technology, gene technology, Turkish Patent Institute and patent rights, space and aeronautical studies.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Prof. Hatice ÖZENOĞLU							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Salih Çepni, Hakan Şevki ,Ayvaci Ahmet Bacanak (2009). Bilim Teknoloji Toplum ve Sosyal Değişim. Pegem Yayıncılık.
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Week	Weekly Detailed Course Contents	
1	Theoretical	Ottoman science and technology
2	Theoretical	Science and technology in Europe
3	Theoretical	Until science technology modern Turkey
4	Theoretical	effects of science and technology on social change
5	Theoretical	the common science legacy of humanity
6	Theoretical	famous turkish scientists
7	Theoretical	famous foreign scientists
8	Theoretical	effects of tissue and organ transplantation (Midterm Exam)
9	Theoretical	effect of nano-technology on life
10	Theoretical	effect of nano-technology on life
11	Theoretical	effect of gene technology on life
12	Theoretical	Turkish Patent Institute
13	Theoretical	copyright and patent rights
14	Theoretical	space and aerospace work

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	1	0	8	8
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Understands the developments in science and technology.
2	Understands the developments in science and technology in Europe
3	Modern developments in Turkey to understand the science and technology policy.
4	Comprehends the effects of developments in science and technology on social life.



5	Discuss the social and economic factors affecting technological developments.
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**Programme Outcomes (Social Studies 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 make plans related to the subject-matter and gain the competence of using the appropriate approach, strategy, technique for the plans in the learning process.
3	To be able to gain 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 philosophies 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 educate 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 solution 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	4				
P2	5				
P3	4		5		
P4			5		
P5				4	
P6				4	
P7					5
P8		5	5		
P9		4			
P10		5			

