



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Science, Technology and Social Change							
Course Code		SBÖ222		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	80 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Developments in the field of science and technology to detect the students a historical perspective and to be able to discuss the impact of these developments on social life.							
Course Content		Past and present relationship between science and technology, science and technology, the effects of social change, humanity's common heritage of science, the famous Turkish and foreign scientists, tissue and organ transplantation, nano-technology, the effect of living in contemporary scientific developments such as gene technology, the Turkish Patent Institute, the copyright and patent rights, space and aviation 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	70

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	Science and technology in Ottoman empire.
2	Theoretical	Science and technology in Europe.
3	Theoretical	Modern science and technology in Turkey.
4	Theoretical	Science and technology, the effects of social change.
5	Theoretical	Humanity's common heritage of science.
6	Theoretical	The famous Turkish scientists.
7	Theoretical	Famous foreign scientists
8	Theoretical	Effect on living tissue and organ transplantation.
9	Intermediate Exam	Midterm Exam
10	Theoretical	effect of nano-technology to life.
11	Theoretical	impact of gene technology to life.
12	Theoretical	Turkish Patent Institute.
13	Theoretical	copyright and patent rights.
14	Theoretical	aerospace studies.
15	Theoretical	aerospace studies.
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	8	0	2	16
Project	6	2	2	24
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				80
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	To be able to comprehend the scientific and technological developments in the Ottoman Empire.
2	To be able to provide knowledge about that science and technology developments in Europe.
3	To be able to comprehend the policies of science and technology developments in modern Turkey.
4	To be able to apphend the impact of developments in science and technology and social life.
5	To be able debate technological developments affecting the social and economic factors.

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 Ataturk, be modern democratic, secular, protecting and deveoping 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	5				
P2		4			
P3			3		
P4				3	
P5					3

