AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Science, Technology And Social Change						
Course Code		İFB512		Couse Level	Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		giving general information on science, technology and social changes and explaining their relation						
Course Content		nature of science., nature of the technology, relationship among science, technology and society.						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods		Explanation (Presentation), Discussion, Individual Study						
Name of Lecturer(s)								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Şahin, Y. (2007). Biyolojide Geçmişe Yolculuk. Ankara: Palme Yayıncılık.Demirel, Ö. (2005).
2	Tekeli, S., Kahya, E., Dosay, M.,Demir, M.,Topdemir, G.H.,Unat, Y., Aydın, K.A. (2007).Bilim Tarihine Giriş. Ankara: Nobel Yayın Dağıtım.
3	Ronan, A.C. (2005). Bilim Tarihi (Dünya kültürlerinde Bilimin Tarihi ve Gelişimi). Ankara: Aydoğdu Matbaası.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to the course, meeting
2	Theoretical	science and technology in history and today
3	Theoretical	the relation between
4	Theoretical	the effects of science and technology on social change
5	Theoretical	common science heritage of the humanity
6	Theoretical	famous Turkish and foreign scientists
7	Theoretical	tissue and organ transfer
8	Intermediate Exam	MIDTERM
9	Theoretical	Nano-tecnology
10	Theoretical	Gen technology
11	Theoretical	the effect of modern scientific developments on life
12	Theoretical	Turkish Patent Institute
13	Theoretical	reconciliation and patent rights
14	Theoretical	space studies
15	Theoretical	aviation studies
16	Final Exam	TERM

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Assignment	5	10	0	50
Reading	5	9	0	45
Midterm Examination	1	10	2	12
Final Examination	1	20	3	23
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = **ECTS**				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to understand development of science and technology.
2	To be able to understand current technological developments.
3	To be able to comprehend science technology and society relations.
4	Describe the relationship between science and technology.
5	Describe the relationship between science and society
6	Describes the relationship among science, technology and society

Programme Outcomes *(Science Education Master)*

1	To be able to have an expert theoretical knowledge within the field of science educatıon.
2	To be able to transfer expert knowledge gained in science education into various instructional environment.
3	To be able to integrate science education knowledge with the other disciplines and product functional knowledge
4	To be able to use information and communication technologies efficiently in conceptual learning
5	To be able to find scientific solutions to the problems in the field of science education
6	To be able to evaluate the knowledge critically in the field
7	To be able to participate in team projects in the science education field
8	To be able to adopt lifelong learning strategies to his/her studies
9	To be able to use at least one foreign language efficently in oral and verbal communication
10	To be able to share national and international data in the field of science education
11	To be able to comprehend and evaluate science-technology-society and environment interactions
12	To be able to comprehends science under the ethical values and take account of ethical considerations
13	To be able to use scientific information in the other domains that is gained in the masters field and have the transfer skills
14	To be able to follow the current development in the science education field
15	To be able to develop strategical plans and evaluate them in the context of quality processes

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5	L6
P1	5		3			
P2					5	5
P3			5	5		
P6			4		5	5
P8	4	4	4	5	5	5
P11	4	3	5		5	5
P12				5		5