

School of Engineering and Natural Sciences / Computer Engineering (English)

2022 - 2023 Academic Year

TECHNOLOGY, SOCIETY and ETHICS

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
TECHNOLOGY, SOCIETY and ETHICS	COE4210767	Spring Semester	2+0	2	2
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Prof.Dr. Talip ALP				
Name of Lecturer(s)	Prof.Dr. Talip ALP				
Assistant(s)					
Aim					
Course Content	This course contains; Science Before Science: Mesopotamia and Egypt ,The Land of the Greeks ,The Roads to Baghdad ,Abbasid Baghdad: The House of Wisdom ,'Spiritual Physick' ,From Baghdad to Central Asia ,The Cure of Ignorance ,Fatimid Cairo: The Science of Light ,Ayyubid and Mamluk Cairo: Healing Body and Soul ,Ingenious Mechanical Devices ,Islamic Technology ,Al-Andalus ,On Ethics,On Ethics.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
			1, 14	A, C	
			1, 14	A, C	
			1, 14	A, C	
			1, 14	A, C	
Teaching Methods	1: Lecture, 14: Self-Study				
Assessment Methods	A: Written Exam, C: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Science Before Science: Mesopotamia and Egypt				
2	The Land of the Greeks				
3	The Roads to Baghdad				
4	'Abbasid Baghdad: The House of Wisdom				
5	'Spiritual Physick'				
6	From Baghdad to Central Asia				
7	The Cure of Ignorance				
8	Fatimid Cairo: The Science of Light				
9	Ayyubid and Mamluk Cairo: Healing Body and Soul				
10	Ingenious Mechanical Devices				
11	Islamic Technology				
12	Al-Andalus				
13	On Ethics				
14	On Ethics				
Evaluation Methods		Weight(%)			
Midterm Exam		30			
General Exam		70			

Resources
John Freely , "Light from the East : How the Science of Medieval Islam Helped to Shape the Western World"