

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
HISTORY and PHILOSOPHY of TECHNOLOGY	MIS3214399	Spring Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assoc.Prof. Özge DOĞUÇ				
Name of Lecturer(s)	Assoc.Prof. Oğuz AKPOLAT				
Assistant(s)					
Aim	To have information about a general theory of technology within the scope of science and technological developments and to be able to interpret this theory within the framework of different disciplines.				
Course Content	This course contains; Thoughts on innovations, technology and the future, Historical development of technology and sustainability, History timeline for great thinkers, Philosophical foundations of technology, Technology related questions, Combinations and structures, Phenomenon, science and technology, Engineering designs, On the origin of technologies, Structural depth, Restructurings, Mechanisms of transformation, Technology and people.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Knows about the history of science and technology			6, 9	A, E	
2. Understanding the concept of technology and philosophical approaches to technology			6, 9	A, E	
3. Examining views on a general theory of technology			10, 16, 6, 9	A, E	
4. Relating technology to philosophy of science and other disciplines			10, 16, 6, 9	A, E	
5. Interpreting the effects of technology on today and the future			10, 16, 6, 9	A, E	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Thoughts on innovations, technology and the future	The relevant section should be read from the source			
2	Historical development of technology and sustainability	The relevant section should be read from the source			
3	History timeline for great thinkers	The relevant section should be read from the source			
4	Philosophical foundations of technology	The relevant section should be read from the source			
5	Technology related questions	The relevant section should be read from the source			
6	Combinations and structures	The relevant section should be read from the source			
7	Phenomenon, science and technology	The relevant section should be read from the source			
9	Engineering designs	The relevant section should be read from the source			
10	On the origin of technologies	The relevant section should be read from the source			
11	Structural depth	The relevant section should be read from the source			
12	Restructurings	The relevant section should be read from the source			
13	Mechanisms of transformation	The relevant section should be read from the source			
14	Technology and people	The relevant section should be read from the source			
Evaluation Methods		Weight(%)			
(Midterm Exam) Homework as part of midterm		10			
Midterm Exam		40			
General Exam		60			

Resources	
Akpolat, O. (2017). Teknolojinin Mekanik, Metabolik ve İnsancıl Yapısı. AJIT-e: Online Academic Journal of Information Technology. Yaz/Summer – Cilt/Vol: 8 □ Sayı/Num: 28	
Koyuncu, N., Akpolat, O. (Danışman), (2022), Teknolojik Değişimler açısından Sürdürülebilir Çevre Yönetimi, Yüksek Lisans Tezi, Muğla Sıtkı Koçman Üni., Fen. Bil. Ens., Çevre Bilimleri Anabilimdalı	
Harwood, J., (2010), Philosophy: A Beginner's Guide, To The Ideas Of 100 Great Thinkers, Quercus, New York-London	
Wheeler, M., (2011), Martin Heidegger, Stanford, Encyclopedia of Philosophy, https://plato.stanford.edu/entries/heidegger/#pagetopright	
Franssen, M., Lokhorst, G-J., Van de Poel, I .,(Adviser), (2018), Philosophy Of Technology, Stanford, Encyclopedia of Philosophy, https://plato.stanford.edu/entries/technology/	
Woodford, C., (2021), Technoogy Time Line, (Kronolojik Bilgi), https://www.explainthatstuff.com/timeline.html , 23.09.2021	
Arthur, B., (2009). The Nature of Technology. Penguin Books Limited. (Çeviren: İ. Çetin: Teknolojinin Doğası Nedir ve Nasıl Evrilir. Optimist Yayınları. 2011), Önsöz	