

ECONOMICS OF INFORMATION AND TECHNOLOGY

1	Course Title:	ECONOMICS OF INFORMATION AND TECHNOLOGY	
2	Course Code:	IKT4309	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	No prerequisite	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. Cem Okan Tuncel	
15	Course Lecturers:	Doç.Dr. Cem Okan Tuncel	
16	Contact information of the Course Coordinator:	Prof. Dr. Mehmet ASLANOĞLU aslanog@uludag.edu.tr, 0224 294 10 98, Uludağ Üniversitesi, İktisat Bölümü, Görükle Kampüsü, Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	Defining technology and knowledge, the role of technology in economic growth.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Students will be able to define technology and knowledge
		2	Students will be able to explain difference between industrial and post industrial transformation
		3	Students will be able to learn the characteristics of information society
		4	Students will be able to learn the social and economic effects of changes in production systems
		5	Students will be able to examine the properties of post industrial society
		6	Students will be able to learn techno-economy policies in various countries
		7	Students will be able to learn Knowledge types, knowledge goods
		8	Students will be able to learn the role of technology in economic growth
		9	Students will be able to understand technological changes
		10	Students will be able to learn new world economic system
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	General framework		

2	Technology Concepts and Components	
3	Industrial Revolution to the Post-Industrial Transformation	
4	General Features of post-Industrial Society	
5	Characteristics of the New Economy	
6	Technology Acquisition	
7	Knowledge Types	
8	Knowledge Goods	
9	The social problems of the Information Society	
10	Techno-economy Policies (Far East, Japan, Germany, Asia, USA)	
11	Techno-economy Policies (Türkiye)	
12	The social and economic effects of changes in production systems	
13	The role of technology in economic growth	
14	The sources of technology changes	
22	Textbooks, References and/or Other Materials:	<p>1- Cihan Dura ve Hayriye Atik. (2002), Bilgi Toplumu, Bilgi Ekonomisi ve Türkiye, İstanbul: Literatür Yayınları.</p> <p>2- Mehmet Aslanoğlu, Sanayinin Örgütlenmesinde Esnek Uzmanlaşma Yaklaşımı, Ezgi Kitabevi, Bursa, 2001</p> <p>3-Beije, P. (1998), Technological Change in the Modern Economy, E:E, USA.</p> <p>4-Freeman, C. Soete L. (2003), Yenilik İktisadı (çev:E. Türkcan), TÜBİTAK Yay., Ankara</p> <p>5-Tuncel C. O (2012) İnovasyon Sistemleri Ve Ekonomik Gelişme: Bursa Bölgesi İmalat Sanayinde İnovasyon Süreçleri Üzerine Bir Alan Araştırması, Nilüfer Akkılıç Kütüphanesi Yayınları, Bursa</p>
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		1
Quiz		0
Home work-project		0
Final Exam		1
Total		2
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	25.00	25.00
Total Work Load			163.00
Total work load/ 30 hr			4.77
ECTS Credit of the Course			5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	5	3	4	4	3	4	4	4	4	5	5	0	0	0	0
ÖK2	4	5	4	4	4	4	3	3	3	4	4	4	0	0	0	0
ÖK3	5	5	4	4	4	5	4	3	3	3	4	4	0	0	0	0
ÖK4	4	4	3	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK5	4	4	4	5	4	4	4	4	3	3	4	4	0	0	0	0
ÖK6	5	5	4	4	4	4	4	4	4	4	4	4	0	0	0	0
ÖK7	5	4	5	4	5	3	4	5	5	5	4	4	0	0	0	0
ÖK8	5	4	4	4	5	3	4	3	5	4	4	4	0	0	0	0
ÖK9	4	5	5	4	5	3	4	3	3	4	4	4	0	0	0	0
ÖK10	4	4	4	4	4	3	3	3	3	4	4	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			