

TECHNOLOGY MANAGEMENT

1	Course Title:	TECHNOLOGY MANAGEMENT	
2	Course Code:	ISL6109	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. MURAT HAKAN ALTINTAŞ	
15	Course Lecturers:	Prof. Dr. Feray Çelikçapa Yrd. Doç. Dr. Gülay Kasap	
16	Contact information of the Course Coordinator:	mhakan@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To teach the students technolgy, innovation management, technology transfer, forecast, planning, accounting, marketing.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learning the development of the technology and to establish relations between the technology and global competativeness.
		2	Learning some transformation resources and methods at the technology management.
		3	Learning the phases of the technologic inovation and innovation management.
		4	Learning the methods of the technology forecast and planning system.
		5	Learning the phases and methods of the technology transfer.
		6	Learning the phases and the methods of the technological products and services.
		7	Learning the effects of the using advanced technology systems on the cost systems and new cost systems.
		8	Learning the phases , the methods of the innovation management and the measurement of the innovation performance.
		9	Learning some advanced technics like the artificial neural networks and the genetic algorithm which can be used at technology management.
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Evolutionist Economics and Technologic Development	
2	Technology Management and Global Competativeness	
3	Technology Management and Transformation Resources	
4	Innovation Management	
5	Technologic Innovation and Advanced Technology Management	
6	Technology Forecast and Planning	
7	Technology Transfer	
8	Technology Marketing	
9	Technology Accounting	
10	The Effects of Technology on Cost Systems	
11	The Measurement of Innovation Performance	
12	The Methods of Innovation Management:Bomax	
13	Artificial Neural Networks and Genetic Algorithm	
14	Technology Management in Future	
22	Textbooks, References and/or Other Materials:	<p>Teknoloji Yönetimi,Editör:Feray Odman Çelikçapa ve Sait Kaygusuz(References Book)</p> <p>Strategic Management of Technology and Innovation-Robert Burgelman Clayton Christensen Steven Wheelwright</p> <p>International Journal of Innovation and Technology Management</p>
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
		WEIGHT
Midterm Exam		0
		0.00
Quiz		0
		0.00
Home work-project		0
		0.00
Final Exam		1
		100.00
Total		1
		100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
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	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Homeworks	2	10.00	20.00
Projects	1	10.00	10.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	1	9.00	9.00
Final Exams	1	10.00	10.00
Total Work Load			91.00
Total work load/ 30 hr			3.03
ECTS Credit of the Course			3.00

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	0	0	1	2	2	0	0	1	0	1	2	0	0	0	0	0
ÖK2	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
ÖK3	1	0	2	3	2	0	0	2	0	3	1	0	0	0	0	0
ÖK4	3	0	0	4	2	0	1	4	1	3	0	0	0	0	0	0
ÖK5	0	0	0	1	1	0	3	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	4	0	0	0	5	0	4	0	0	0	0	0	0
ÖK7	2	3	1	4	0	4	4	0	0	0	0	0	0	0	0	0
ÖK8	0	4	0	3	3	0	2	3	0	0	0	0	0	0	0	0
ÖK9	0	4	4	0	0	0	0	0	5	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							