Istanbul Health and Technology University

Engineering Management (With Thesis)			
Master	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course General Introduction Information

Course Code:	MHY501
Course Name:	Engineering and Technology Management
Course Semester:	Fall
Course Credits:	ECTS: 8
Language of instruction:	TR
Course Requirement:	
Does the Course Require Work Experience?:	No
Type of course:	Necessary
Course Level:	Master | TR-NQF-HE:7. Master`s Degree | QF-EHEA:Second Cycle | EQF-LLL:7. Master`s Degree
Mode of Delivery:	
Course Coordinator :	Ar.Gör. HAZAL YAREN YALIRSU
Course Lecturer(s):	Prof. Dr. Özalp Vayvay
Course Assistants:	

Course Purpose and Content

Course	The aim of the course is to provide students with the concepts and applications of Engineering

Objectives:	and Technology Management.
Course Content:	This course covers the concepts of engineering and technology management along with fundamental applications in this field.

Learning Outcomes

The students who have succeeded in this course;
1) Understand the concepts and historical development of engineering management
2) Explain the fundamental functions of engineering management.
3) Gain knowledge about technology management and R&D strategies.

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to Engineering Management	
2)	Historical Development of Engineering Management	
3)	Fundamental Functions of Engineering Management	
4)	Planning, Organizing, Coordinating, Directing, Controlling	
5)	Decision-Making	
6)	Introduction to Technology Management	
7)	Technology, Competition, and Change	
8)	Technology Strategies	
9)	Technology Management and R&D	
10)	R&D Strategies	
11)	Technological Planning Methods	
12)	Technology Transfer	
13)	Case Studies	
14)	Case Studies	

Sources

Course Notes / Textbooks:	Teknoloji Yönetimi, Dora Yayınları, 2010. Teknolojik Yenilik Yönetimi, Frederick Betz, Tubitak Yayınları, 2010. Managing Engineering and Technology, Babcock&Morse, Prentice-Hall, 2013.

References:	Teknoloji Yönetimi, Dora Yayınları, 2010. Teknolojik Yenilik Yönetimi, Frederick Betz, Tubitak Yayınları, 2010. Managing Engineering and Technology, Babcock&Morse, Prentice-Hall, 2013.

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Medium	3 Highest

	Program Outcomes	Level of Contribution

Learning Activity and Teaching Methods

Measurement and Evaluation Methods and Criteria

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Project	1	% 25
Midterms	1	% 25
Final	1	% 50
total		**% 100**
PERCENTAGE OF SEMESTER WORK		% 50
PERCENTAGE OF FINAL WORK		% 50
total		**% 100**