



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Technology R&d Management							
Course Code		ÜKK216		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		In this course, students learn how to use and manage technology. Created by explaining to the world and innovation strategies in Turkey will gain awareness and innovative thinking ability.							
Course Content		Basic concepts related to technology and technology management, Technology management activities (Acquisition, Use, Identification, Learning, Protection and Selection) and Technology management tools (Patent Analysis, Portfolio Management, Technology Roadmap, S-Curve, Stage-Crossover Method, Value) Analysis, research and development (R & D) and innovation management.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Çetindamar D., Phaall R. ve Roberl D., Teknoloji Yönetimi Faaliyetleri ve Araçları, Elif Yayınevi, Ankara, 2013
---	---

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition and history of R & D
2	Theoretical	Definition of technology, types, technological innovation and innovation
3	Theoretical	Scientific foundations of technology
4	Theoretical	Biotechnology industry as an example
5	Theoretical	R & D approaches of public and private sector in our country
6	Theoretical	R & D approaches of public and private sector in the world, different models in countries
7	Theoretical	Strategic approach to R & D and innovation.
8	Intermediate Exam	Midterm exam
9	Theoretical	Planning in R & D and innovation
10	Theoretical	Projects and project management that form the basis of R & D,
11	Theoretical	Organization and team building in R & D activities
12	Theoretical	R & D management
13	Theoretical	Creativity and coordination in R & D activities
14	Theoretical	Expected outputs from R & D
15	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28



Assignment	1	10	1	11
Midterm Examination	1	4	1	5
Final Examination	1	5	1	6
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Explain the basic concepts of technology and technology management.
2	Know and explain technology management activities.
3	Know and explain technology management tools
4	Knows and applies the methods and techniques used in technology management
5	Knows the topics of research and development (R & D) and technology management processes.
6	Knows innovation issues and applies them in technology management processes.

Programme Outcomes (Fruit and Vegetables Processing Technology)

1	To be able to understand social, cultural and social responsibilities and to have the ability to follow national and international contemporary
2	In line with the principles and reforms of Atatürk; Adopting the national, moral, spiritual and cultural values ??of the Turkish Nation, open to universal and contemporary developments, the Turkish language is a rich, rooted and productive language; love and awareness of language; to have the ability to use the foreign language sufficiently and with the habit of reading and professionally.
3	To know the basic hardware units and operating systems of computer, internet to be able to prepare documents, spreadsheets and presentations on the computer by using office programs
4	Gains the theoretical and practical knowledge at the basic level in mathematics, science and professional fields
5	Recognize and analyze the problems with the knowledge of fruit and vegetable technology in the field, interpret the data and propose solutions.
6	According to the prepared work plan and program in laboratories, it can carry out the necessary works to obtain the desired quality product.
7	To have professional and ethical responsibility in business life.
8	It is open to development and change, follows scientific social and cultural innovations and constantly improves itself.

