



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Processing and Appreciating of Agricultural Products							
Course Code		ZTM525		Couese Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Cleaning of agricultural products. sorting, grading, drying, packing, crushing and grinding, storage, cooling and drying techniques to ensure Understanding of. Introduction of the machines used in the processing of agricultural products, transport of products and to give information about the operating principles of the machines used in order to communicate.							
Course Content		Agricultural products, separation, sorting, drying, packaging machines, technical specifications, and the principles of crushing and grinding equipment for food products, transportation equipment and machines, drying and cooling equipment.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Ürün İşleme Tekniği ve Makinaları, GÜZEL, E. ve ark., AÜZF Yayınları No: 957, Ankara
2	Ürün İşleme ve Değerlendirme Tekniği Ders Notları, ÇÜZF Yayınları, No: 145, Adana

Week	Weekly Detailed Course Contents	
1	Theoretical	Transport and handling equipment and facilities
2	Theoretical	Transport and handling equipment and facilities
3	Theoretical	Products cleaning and sorting machines.
4	Theoretical	Products cleaning and sorting machines.
5	Theoretical	Grinding and shredding machines
6	Theoretical	Pressing machines,
7	Intermediate Exam	Midterm exam
8	Theoretical	Settling facilities
9	Theoretical	Homogenerators
10	Theoretical	Product heating systems
11	Theoretical	Concentration facilities
12	Theoretical	Drying technique
13	Theoretical	Drying plant project
14	Theoretical	Cooling technique.
15	Theoretical	Cooling plant project.
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	2	2	56
Assignment	2	20	20	80
Midterm Examination	1	2	2	4



Final Examination	1	2	2	4
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Cleaning of agricultural products, classification and transmission equipment for the basic principles and the ability to design
2	The basic principles and the ability to design machining with granular products makinlari
3	The basic principle in the processing of fruits and vegetables, and the ability to design machines
4	The basic principle in the processing of animal products, and the ability to design machines
5	The basic principle in the processing of animal products, and the ability to design machines

Programme Outcomes (Agricultural Machinery Master)

1	Identification, formulation and solving the problems in the field of Agricultural Machinery
2	The ability to use modern engineering tools and techniques
3	The ability to use the information, which is obtained by following the scientific and technological developments, in the academic life and practice.
4	The ability to evaluate multi-faced relationship between them by understanding interaction among agricultural technology, soil, plants and animals
5	Professionalism and ethical responsibility
6	The ability to work in disciplinary and multi-disciplinary teams
7	The ability to communicate effectively
8	The ability to do research for accessing information and to use data base and other resources
9	The ability to do analyze and interpret the experimental results and the design of experiment
10	The ability to identify and interpret knowledge of current professional issues and events
11	The ability to get aware the universal and social effects of engineering solutions and applications
12	Accordance with the requirements of science and technology, ability to use scientific knowledge creative

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4
P1	5	5	5	5
P2	5	5	5	5
P3	5	5	5	5
P4	5	5	5	5
P5	5	5	5	5
P6	4	4	4	4
P7	4	4	4	4
P8	5	5	5	5
P9	5	5	5	5
P10	5	5	5	5
P11	5	5	5	5
P12	5	5	5	5

