

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title Wind Power Systeams												
Course Code		ZTM538		Couse Level		Second Cycle (Master's Degree)						
ECTS Credit	8	Workload	200 (Hours)	Theory		3	Pract	ice	0	Labor	atory	0
Objectives of the	Objectives of the Course The aim of this course is that information is given to the students about alternative energy resources and about the energy which is an important input in agriculture					rces and						
Course Content		The course pralternative en calculations a agriculture.		is reveal	ed, it	defined th	e bas	ic paran	neters of wi	nd energy	r; their eng	gineering
Work Placement N/A												
Planned Learning Activities and Teaching Methods			Explana	tion (I	Presentat	ion), I	Project B	ased Study	y, Individu	al Study		
Name of Lecturer(s)												

Assessment Methods and Criteria						
Method	Quantity	Percentage (%)				
Midterm Examination	1	40				
Final Examination	1	60				

Recommended or Required Reading

1 Alternative Energy Resources Graduate Course Notes

Week	Weekly Detailed Course Contents					
1	Theoretical	General energy information				
2	Theoretical	Wind energy technology and application areas in agriculture				
3	Theoretical	Wind energy technology and application areas in agriculture				
4	Theoretical	Wind energy technology and application areas in agriculture				
5	Theoretical	Wind energy technology and application areas in agriculture				
6	Theoretical	Wind energy technology and application areas in agriculture				
7	Intermediate Exam	Midterm Exam				
8	Theoretical	Basic elements of wind energy systems and working principle of the system				
9	Theoretical	Basic elements of wind energy systems and working principle of the system				
10	Theoretical	Basic elements of wind energy systems and working principle of the system				
11	Practice	Basic elements of wind energy systems and working principle of the system				
12	Practice	Basic elements of wind energy systems and working principle of the system				
13	Theoretical	Optimization of energy				
14	Final Exam	Final Exam				

Workload Calculation						
Activity	Quantity	Preparation		Duration	Total Workload	
Lecture - Theory	Theory 14 4		3	98		
Assignment	6		10	5	90	
Midterm Examination	1		3	3	6	
Final Examination	1		3	3	6	
	200					
[Total Workload (Hours) / 25*] = ECTS 8						
*25 hour workload is accepted as 1 ECTS						

Learn	Learning Outcomes					
1	Learn the general energy information					
2	Learn the wind energy technology and application possibilities in agriculture					
3	Recognize the system elements of wind energy technology					



- Analyze the working principle of wind energy technology.
 Optimization of energy
- Programme Outcomes (Agricultural Machinery Master) Identification, formulation and solving the problems in the field of Agricultural Machinery 2 The ability to use modern engineering tools and techniques The ability to use the information, which is obtained by following the scientific and technological developments, in the 3 academic life and practice. The ability to evaluate multi-faced relationship between them by understanding interaction among agricultural technology, soil, 4 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 The ability to do research for accessing information and to use data base and other resources 8 The ability to do analyze and interpret the experimental results and the design of experiment 9 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

	L2	L4
P1		4
P2	4	
P3	5	
P4		4
P5	5	
P6		5
P7	5	
P9		5
P10	4	

