AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Agricultural Environmental Economics								
Course Code	ZTE519		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	8	Workload	202 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The primary objective of this course is to enable students to gain knowledge sand skills in analyzing the economic use of natural resources and environment-agriculture interaction.								
Course Content	Economic analyses of natural resource use, sustainable development, environmental valuation techniques.								
Work Placement	None								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)	Prof. Altuğ ÖZDEN								

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

Recommended or Required Reading	
1	Tietenberg, T. Environmental and Natural Resorce Economics. Routledge, 2014.
2	R. Dorfman and N. Dorfman (eds). Economics of the Environment. New York: W.W. Norton & Comp., 1993.

Week	Weekly Detailed Course Contents	
1	Theoretical	The Scope of Environmental Economics
2	Theoretical	Property Rights, Externalities and Environmental Problems
3	Theoretical	Markets, Risk and Uncertainty
4	Theoretical	Benefit-Cost Analysis
5	Theoretical	The control of Environmental Pollution
6	Theoretical	Growth, Underdevelopment, and Environment
7	Intermediate Exam	Midterm
8	Theoretical	Sustainable Development
9	Theoretical	Environmental Valuation Methods
10	Theoretical	Hedonic Price and Willingness to Pay
11	Theoretical	Contingent Valuation
12	Theoretical	Travel Cost Method
13	Theoretical	Climate Change and Agriculture
14	Theoretical	Climate Change and Agriculture (Continues)
15	Theoretical	General Evaluation
16	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	8	3	154
Seminar	1	14	2	16
Midterm Examination	1	14	2	16
Final Examination	1	14	2	16
			Total Workload (Hours)	202
			[Total Workload (Hours) / 25*] = **ECTS**	8
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to gain knowledge and skills in analyzing the valuation of environment.
2	To be able to gain knowledge and skills in analyzing the agriculture-environment interaction.
3	To be able to understand the situtaion of natural resources in our country and the world.
4	To be able to understand the agricultural related environmental problems
5	To be able to analyze the international environmental agreements and their impacts.

Programme Outcomes *(Agricultural Economics Master)*	
1	To be able to comprehend and solve agricultural economic issues using Agricultural sciences and the basic principles of economic science.
2	To be able to access information, evaluate, interpret, and implement in the processes of the scientific research processes related to Agricultural economy.
3	To be able to integrate the relationship between the use of natural resources and productivity, with environmental, food safety and sustainability objectives
4	To be able to predict the effects of economic and political developments on the Turkish agricultural sector, to be able to view, comprehend and interpret national and international agricultural markets, to be able to apply the innovative methods.
5	To be able to communicate with all actors showing activity in the countryside at the required level of behavior science, to detect problems, and to be able to conduct joint project.
6	To be able to lead multi-disciplinary studies in agricultural sciences, to be able to enhance solutions in complex situations and to be able to take responsibility.
7	To be able to raise awareness about the new and developing practices of the job, to be able to review and learn these when needed.
8	To be able to use theoretical and practical information in agricultural economics.
9	To be able to design innovative solutions integrating the original ideas and methods in agriculture and the economy with the system, part or process designs.
10	To be able to articulate the idea, and the findings about the research topic verbal and written in an effective way.

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

	L1	L2	L3	L4	L5
P1	5	5			
P2	5	5			
P3	5	5	5		
P4	4	4			
P5	2	2			
P6	3	3			
P7	4	4			
P8	4	4			
P9	4	4		5	5
P10	5	5			