AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Environmental Impact Assesment of Irrigation and Drainage Projects								
Course Code	ZTY619		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	8	Workload	200 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is to teach prediction and assessment of environmental impacts of water resources projects								
Course Content	Fundamentals of environmental impact assessment process, prediction and assessment of impacts of water resources projects on surface and ground water, soil and ecosystem								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Case Study, Individual 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	Dougherty, T.C., Hall, A.W. (1995) Environmental Impact Assessment of Irrigation and Drainage Projects, FAO Irrigation and Drainage Paper No:53, Rome.
2	Yücel, M. (1997) Environmental Impact Assessment (Çevresel Etki Değerlendirmesi), Çukurova Ziraat Fakültesi Yayınları Yayın No:124, Adana

Week	**Weekly Detailed Course Contents**	
1	Theoretical	Need for environmental assessment
2	Theoretical	Context of environmental analysis
3	Theoretical	Environmental impact assessment process
4	Theoretical	Environmental impact assessment process
5	Theoretical	Environmental impact assessment process
6	Theoretical	Techniques of environmental impact assessment
7	Theoretical	Techniques of environmental impact assessment
8	Intermediate Exam	Mid Term Exam
9	Theoretical	Impacts on hydrology
10	Theoretical	Impacts on water and air quality
11	Theoretical	Impacts on soil properties and salinity
12	Theoretical	Impacts on erosion and sedimentation
13	Theoretical	Impacts on ecology
14	Theoretical	Socio-economic impacts
15	Theoretical	Impacts on human health
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	10	3	182
Midterm Examination	1	6	2	8
Final Examination	1	8	2	10
			Total Workload (Hours)	200
			[Total Workload (Hours) / 25*] = **ECTS**	8
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	The framework of environmental impact assessment

2	The impact of water resources projects on hydrology, water and air quality and soil properties
3	The impact of water resources projects on erosion and sedimentation, ecology and public health
4	To be able to predict environmental impacts of irrigation projects
5	To be able assess environmental impacts of irrigation projects

Programme Outcomes *(Agricultural Structures and Irrigation Doctorate)*	
1	Ability to analyze, synthesize and evaluate different forms of scientific knowledge in the field of studies
2	Approach to information systematically, and gain skills related to their field the research methods
3	Innovative science to develop a scientific method or a method that is known to practice in their field
4	Ability to organize and manage the project and advanced scientific research
5	Advanced technologies, find solutions to engineering problems taking advantage of the software and model approaches
6	Creative, unbiased and critical thinking
7	A topic in the field of written, verbally and visually as the ability to express
8	Ability to publish in refereed journals National and international the results of studies

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	5	5	5
P2	5	5	5	4	4
P3	5	5	5	3	3
P4	5	4	4	4	4
P5	5	4	4	5	5
P6	4	4	4	5	5
P7	4	4	4	5	5
P8	4	4	4	4	4