



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Land Consolidation Planning							
Course Code		ZTY601		Couese Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	150 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Fragmented lands is an important reason of unproductivenees. Productivenees increases after land consolidation. The aim of this course is to present the approaches on land consolidation planning							
Course Content		Planning concept and phases of land consolidation planning, methods of realloatment, role of land consolidation in irrigated agriculture and sustainable rural development, economical and environmental impact assessment of land consolidation projects							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Project Based Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Avcı, M., Aşık, Ş., 1999. "Land Consolidation (Arazi Toplulaştırması)" Ege Üniv. Ziraat Fakültesi , Ders Yayınları No: 60/1, Bornova-İzmir
2	Yıldız, N., 1983. "Land Consolidation (Arazi Toplulaştırması)". Yıldız Üniversitesi, İstanbul
3	Yağanoğlu, A.V., Okuroğlu, M., Hanay, A. 1994. "Land Consolidation (Arazi Toplulaştırması)", Atatürk Üniversitesi, Ziraat Fakültesi , Ders Yayınları No: 159, Erzurum
4	Takka, S. 1993. "Land Consolidation (Arazi Toplulaştırması)", Kültürteknik Derneği Yayınları No: 1, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Land consolidation in Turkey
2	Theoretical	Land consolidation as land reform
3	Theoretical	Planning of rural roads
4	Theoretical	Irrigation and drainage networks, and blocks
5	Theoretical	Determining the numeric values of blocks and parcels-1
6	Theoretical	Determining the numeric values of blocks and parcels-2
7	Theoretical	Consolidation of fragmented parcels
8	Intermediate Exam	Midterm exam
9	Theoretical	Reallocation plan by linear programming
10	Theoretical	Rational planning approach in irrigation districts
11	Theoretical	Land Registration and Cadastral Issues
12	Theoretical	Maps Used in Land Consolidation-1
13	Theoretical	Air Photographs Used in Land Consolidation-2
14	Theoretical	Computer Use in Land Consolidation-1
15	Theoretical	Computer Use in Land Consolidation-2
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	2	70
Lecture - Practice	14	2	2	56
Midterm Examination	1	8	2	10



Final Examination	1	12	2	14
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Understanding the importance of the database in the Land Consolidation;
2	Acquire the ability to do database design for the land consolidation, ;
3	Acquire the ability to use computer programs for the land consolidation;
4	Land consolidation of the planning data base, to be transferred to the project stage
5	Acquire the ability to establishe land grading map, account the value of the parcel and block value

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

