AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
FIELD CROPS
FIELD CROPS
FIELD CROPS MASTER
COURSE INFORMATION FORM

Course Title	Land Development Services								
Course Code	ZTY525		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	8	Workload	200 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The aim of this course is taught culturtechnique services								
Course Content	Introduction of land development services, importance of irrigation and drainage services, comparison of land grading and leveling techniques, land consolidation techniques and management methods, farm roads planning criteria, small water structure planning and constructing								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Prof. Necdet DAĞDELEN								

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

Recommended or Required Reading	
1	James, L.G. Principles Farm Irrigation System Design Krieger Publishing Company. Malabar Florida
2	Güngör ve Ark. Sulama, Ankara Ü. Ziraat Fakültesi Yayınları. Ankara.
3	Çevik, B., Tekinel, O. Arazi toplulaştırma, Çukurova Üniversitesi Ziraat Fakültesi. No 45.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction of Culturtechnic
2	Theoretical	Rural settlement
3	Theoretical	Farm organizations
4	Theoretical	Agricultural structure of Turkey and Land consolidiation
5	Theoretical	Development of water resources and their problesm
6	Theoretical	Irrigation water supply
7	Theoretical	Water management
8	Theoretical	Midterm exam
9	Theoretical	Small water structures and management
10	Theoretical	Irrigation and its importance in agriculture
11	Theoretical	Irrigation techniques
12	Theoretical	Agricultural drainage
13	Theoretical	Reclamation of salin and alcali soils
14	Theoretical	Land consalidation
15	Theoretical	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	5	2	98
Lecture - Practice	14	4	2	84
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	To have knowledge about culturtechnique services
2	To be able to evaluate the terms of irrigation, agricultural drainage, land consolidation and agricultural enterprises
3	To determine problems and obtained knowledge
4	Solving problems of the aims
5	To be able to analyze and investigate the problems and publish the results of these studies.

Programme Outcomes *(Field Crops Master)*	
1	To be able to improve and deepen the level of expertise in field crops on the basis of the departments licenses qualifications.
2	To be able to recognize the subjects related to field crops, to be able to solve these and make interpretation.
3	To be able to have the skills of acting independently, to have power to decide and to create.
4	To be able to work in teams between departments
5	To be able to give briefing about latest information of Field Crops in written, oral and visual ways.
6	To be able to take responsibility for developing the new approaches and to formulate a solution facing unforeseen complex situations of applications,
7	To be able to defend the original opinions in both Turkish and in foreign languages by using these languages and communicating effectively.
8	To be able to contribute to science by producing knowledge for the aim of improving quality, efficiency and sustainability
9	To be able to apply breeding methods in order to improve new varieties for Field Crops.
10	To be able to maintain and select the appropriate statistical methods within the framework of the study, evaluation of scientific ethics; to convert the results into a report/dissertation and to offer them by producing scientific publications.

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	4	4	4	4
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	4	4	4	4	4
P5	4	5	5	5	5
P6	4	5	5	5	5
P7	4	5	5	5	5
P8	4	5	5	5	5
P9	4	5	5	5	5
P10	4	5	5	5	5