AGRICULTURAL PRODUCTION ECONOMICS AND RESOURCE USE IN AGRICULTURE

1	Course Title:	AGRICULTURAL PRODUCTION ECONOMICS AND RESOURCE USE IN AGRICULTURE
2	Course Code:	TRE5435
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	7.50
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. Tolga TİPİ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	ttipi@uludag.edu.tr, Tel:0 (224) 2941590 U.Ü. Ziraat Fakültesi Tarım Ekonomisi Bölümü Görükle/Bursa
17	Website:	
18	Objective of the Course:	The objective of this course is to enable the students to learn obtaining various production functions and to provide efficient resource use with the skills for interpreting these functions
19	Contribution of the Course to Professional Development:	Students can determine the resource use efficiency of farms.
20	Learning Outcomes:	

	1	Comprehending factor-product relationships
	2	Becoming able to collect and to interpret the data related to factor-product relationships
	3	Becoming able to interpret technical researches economically
	4	The ability to guide farmers about effecient resource use
	5	Becoming able to use mathematical technics for determining factor-product relationships
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21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Definition of the course	
2	Basis of the production economics	
3	Factor-product relationships	
4	Data collecting for factor-product relationships	

5	Defining production function, application areas, classical production function, basic concepts	
6	Types of production functions	
7	Selection of appropriate function	
8	Production function applications in crop production	
9	Production function applications in crop production	
10	Production function applications in animal production	
11	Production function applications in animal production	
12	Economic interpretations of Production functions	
13	Resource use efficiency	
14	Homework presantation	

22	Textbooks, References and/or Other Materials:	1.Doll, J.P., Orazem, F., 1984. "Production Economics, Theory with Applications", Second Edition, John Wiley and Sons Inc., 2.Debertin, D.L., 1986. "Agricultural Production Economics", Macmillan Inc. 3.Dillon, J.L., Anderson, J.R., 1990. "The Analysis of Response in Crop and Livestock Production", Pergamon Press.

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	6.Rehber, E., Tipi, T., 2016. Farm Management and Planning (Tarımsal İşletmecilik ve Planlama), Ekin 14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	1	20.00	20.00
Projects	0	0.00	0.00
Field Studies	1	50.00	50.00
Midterm exams	0	0.00	0.00
Others	1	30.00	30.00
Final Exams	1	50.00	50.00
Total Work Load			220.00
Total work load/ 30 hr			7.33
ECTS Credit of the Course			7.50

TERM LEARNING ACTIVITIES	NUMBE	WEIGHT
Midterm Exam	0	0.00
Home-work-project	1	20.00
Total	3	100.00

Contribution of Final Exam to Success Grade	70.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	During the semester, students will be responsible project tasks. Besides, a final exam with open-ended questions will be conducted at the end of the semester.

24	ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	0	3	4	4	4	1	0	0	1	1	0	0	0	0	0

ÖK2	1	0	2	4	3	4	0	0	1	1	0	0	0	0	0	0
ÖK3	0	0	4	4	3	4	3	0	2	0	0	0	0	0	0	0
ÖK4	0	0	0	5	4	4	0	0	0	0	0	0	0	0	0	0
ÖK5	2	0	3	4	3	3	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contrib ution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**