

# AGRICULTURAL PRODUCTION ECONOMICS

1	Course Title:	AGRICULTURAL PRODUCTION ECONOMICS	
2	Course Code:	TEK3738-S	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	6	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
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 the basis of the theories of microeconomics to make them comprehend the methods for solving resource use problems in farms and to provide them with the skills for transferring these methods into practice.	
19	Contribution of the Course to Professional Development:	Students can explain agricultural production functions, cost and profit functions.	
20	Learning Outcomes:		
		1	Comprehending basics of production economics theory
		2	Becoming able to transfer the fundamental knowledge of production economics into practice and to interpret the results
		3	Becoming able to evaluate the physical relationships between inputs and outputs economically
		4	Becoming able to chose among alternative input-output combinations
		5	To acquire the ability to guide farmers about effective use of resources
		6	To acquire the necessary skills for interpreting effects of technic and economic conditions on factor use and enterprise selection
		7	To acquire the necessary skills for interpreting effects of changes in farm scale and production technics on farms, sector and national economy
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		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	

1	Introduction to Agricultural Production Economics-Classification of economics and approaches- Objectives of agricultural economics, Agricultural production economics-production economics and relationships with the other disciplines	
2	Factor-product relationships; production function, law of diminishing returns, basic concepts	
3	Stages of classical production function, analysis for basic concepts	
4	Defining optimum input use level	
5	Cost functions, deriving cost function from production functions, definition of costs, calculating costs	
6	Profit function, maximum profit conditions	
7	Factor-factor analysis; relationships between inputs, production surface, production function with two variable inputs, isoquant curves, marginal rate of substitution	
8	Course Review and Midterm exam	
9	Isocost curves, optimum combination of inputs	
10	Elasticity of substitution, substitution and expansion effects, impacts of price changes on input use	

Activites	Number	Duration (hour)	Total Work Load (hour)
12 Optimum combination of products			
Theoretical	14	2.00	28.00
13 Economies of scale, relationship between			
Practicals/Labs	0	0.00	0.00
14 Technical development, basic concepts, self study and preparation	14	3.00	42.00
Homeworks	4	5.00	20.00
Projects	0	0.00	0.00
22 Technical Development of Quality			
Field Studies	0	0.00	0.00
Midterm exams	Agriculture Publications No:587, Bornova, 2010(In Turkish)	0.00	0.00
Others	0	0.00	0.00
Final Exams	Economics and Management, Prentice Inc. 1999, 2. Debertin, D.L., Agricultural Production Economics, John Wiley and Sons Inc. 1994	20.00	20.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

23	Assesment	
TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	30.00
Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00

Measurement and Evaluation Techniques Used in the Course	During the semester, students will have responsible project assignments. In addition, a final multiple-choice exam will be held at the end of the semester.
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<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>
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<b>25</b>	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	5	5	5	5	2	0	2	3	4	0	0	0	0	0
ÖK2	0	0	4	4	5	5	2	0	0	3	3	0	0	0	0	0
ÖK3	0	0	4	4	5	4	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	3	4	5	5	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	3	3	5	5	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	4	0	5	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>		<b>2 low</b>		<b>3 Medium</b>		<b>4 High</b>		<b>5 Very High</b>							