



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Statistics of Agricultural Economics							
Course Code		TİS201		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		Statistical methods to the problems of agricultural economics; to teach them how to use statistical methods for scientific decision making; and to equip them with the ability to interpret the statistical results.							
Course Content		Basic statistical terms, presentation and summarization of the data, descriptive statistics, probability and probability distributions (binomial, poisson and normal), estimation in statistics, hypothesis testing, count data analysis (Chi square analysis), relationships between the variables (correlation), analysis of variance , LSD test; Rank correlation.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study, Problem Solving					
Name of Lecturer(s)		Lec. Naciye TOK							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Bülent Miran, Temel İstatistik, İzmir, 2002
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Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to statistics, basic statistical terms, data presentation and summarization
2	Theoretical	Descriptive statistics
3	Theoretical	Graphical methods
4	Theoretical	Measures of central tendency
5	Theoretical	Distribution measures
6	Theoretical	Point and interval forecasting
7	Theoretical	Field research sampling
8	Theoretical	Hypothesis testing
9	Intermediate Exam	Midterm
10	Theoretical	Analysis of Variance
11	Theoretical	Chi-square test
12	Theoretical	Regression analysis with singlea explanation
13	Theoretical	Non-parametric tests
14	Theoretical	Indexes
15	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Assignment	4	3	1	16
Individual Work	3	2	2	12
Midterm Examination	1	14	1	15
Final Examination	1	14	1	15
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	To be able to think of agricultural economics problems under the framework of statistical modelling
2	To be able to decide efficiently in agricultural economics depending on statistical methods
3	Students know where and how to obtain data on the subject of interest
4	Students select the appropriate statistical test to achieve their purpose with the data they have
5	Students will be able to perform hypothesis testing on agricultural economics

Programme Outcomes (Agricultural Management)

1	To be able to use basic knowledge about agricultural, the struggle to preserve and marketing
2	To be able to use theoretical and practical knowledge gained in the basic fields of farm management
3	To be able to take duties and responsibilities at all levels of the agricultural business management
4	To be able to comprehend economic problems of agriculture, have the abilities of data collection, analysis, interpretation and project based solution production
5	Ability to predict and interpret the potential effects of national and international economical and political developments on Turkish agricultural sector
6	Having necessary skills for management and planning of agricultural and rural development projects
7	To be able to collaborate with stakeholders at producer and institutional levels to improve communication and education
8	To be able to use computer programs and technology to an adequate level required by business practices
9	To be able to comprehend knowledge of law that is necessary for farm management field and to be able to use this information
10	To be able to apply professional, moral values and sense of social responsibility
11	To be able to work independently in the major by communicating effectively through expressing ideas orally and written.

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	3	5	2	4	5
P2	4	3	2	2	4
P3	4	4	3	2	4
P4	3	4	3	3	4
P5	3	4	5	3	2
P6	3	4	4	5	2
P7	5	4	4	5	3
P8	5	4	4	5	4
P9	5	5	2	5	4
P10	2	5	5	4	4
P11	5	5	4	4	4

