AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Sampling Theory					
Course Code		FEK524		Couse Level	Second Cycle (Master's Degree)		
ECTS Credit	5	Workload	125 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Simple random sampling and stratified random sampling methods are introduced. Estimation of population parameters are teached using these sampling methods.					
Course Content		To instruct cost accounting concepts and techniques and use this knowledge in the decision-making process.Teach how to recognize, analyze, summarize, interpret, predict and extract inferences from quantitative data using scientific methods.					
Work Placement		N/A					
Planned Learning Activities and Teaching Methods			Explanation (Presentation), 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	Sampling Theory, Hülya Çıngı, 1994

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction
2	Theoretical	Population parameters
3	Theoretical	Intoduction to simple random sampling (SRS)
4	Theoretical	BRÖ ye dayalı kitle toplamı ve ortalamasının tahmini
5	Theoretical	Bias and variance of population sum and mean based SRS
6	Theoretical	Estimation of population proportion and confidence interval based SRS
7	Theoretical	Bias and variance of proporiton estimates based SRS
8	Intermediate Exam	Mid-term
9	Theoretical	Bias and variance of estimates of R based SRS
10	Theoretical	Estimation of R and confidence interval based SRS
11	Theoretical	Intoduction to stratified sampling
12	Theoretical	Estimation of population sum and mean based stratified sampling
13	Theoretical	Bias and variance of population sum and mean based stratified sampling
14	Theoretical	Estimation of population proportion and confidence interval based stratified sampling
15	Theoretical	Bias and variance of proporiton estimates based Stratified sampling
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Individual Work	7	2	2	28
Midterm Examination	1	10	1	11
Final Examination	1	15	1	16
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Simple random sampling is learned.

2	Estimates the parameters based on simple random sampling.
3	Stratified sampling is learned.
4	Estimates the parameters based on stratified sampling
5	Concepts related to Sampling Theory will be comprehended

Programme Outcomes *(Econometrics Master)*

1	Understanding the concept of econometric
2	Ability to estimate econometric models
3	Test to the estimated reliability of the econometric model
4	Learning time series analysis
5	Recognition of financial assets and analysis that estimates the decisions of economic units
6	Be able to use econometric methods developed specifically for analysis of financial data
7	To be able to use computer programs needed in the field financial economics as well as information and communication technologies in advanced levels
8	Provision of the information that will be base for the econometric applications on money theories, theories of international trade and finance
9	Considering a scientific research,to be able to make a profound literature research, analysis,estimations and reporting findings in a scientific work

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