



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Experimental Economics Workshop							
Course Code		İKT452		Couse Level		First Cycle (Bachelor's Degree)			
ECTS Credit	5	Workload	125 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim is to extend students' ability to use computer software as a tool for problem-solving and model analysis in economics and to introduce them to some of the electronic databases available for use by economists. On the successful completion of this unit, students should be able to use current statistics and econometric software to run multiple regressions, to perform diagnostic tests such as normality, serial correlation, white heteroskedasticity and Ramsey RESET tests, to interpret the basic regression output, to use other important PC and mainframe software tools which have been identified in the course and to use electronic databases to obtain relevant economic data.							
Course Content		Introduction to Eviews, Review of Basic Econometrics, Simple and Multiple Regression, Restriction and Diagnostic Tests, Stationarity, Cointegration, Tests of Structural Breaks, Granger Causality, Vector Auto Regression, Time-series Models, Model Selection Criteria, Preparation of Final Report, Oral Presentations							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Gujarati D. N. (2003) Basic Econometrics, 4th Edition, McGraw-Hill
2	Griffiths W. E. (2008) Using EViews for Principles of econometrics, 3rd edition, N.J.: John Wiley.

Week	Weekly Detailed Course Contents	
1	Theoretical	Economic developments of developing countries, national income, GDP, GNP, national income per capita, purchasing power parity etc. Calculations and applications, National income Incident analysis, Current balance, trade deficit Event analysis
2	Theoretical	Correlation analysis Event analysis, consumption function, marginal consumption tendency and multiplier Incident analysis, Nominal and real exchange rate, productivity and wages, international competitiveness Event analysis
3	Theoretical	Capital account and hot money Event analysis, Inflation event analysis, Domestic savings and investments Event analysis
4	Theoretical	Correlation analysis, and flexibility in the labor market Event analysis: Correlation between wages and labor coefficient, Cobb-Douglas Production function Event analysis: Estimating Cobb-Douglas production function using Eviews
5	Theoretical	Input-output tables, matrix of input coefficients, Leontief inverse matrix, sectoral backwardness and sectoral import dependency Event analysis: Leontief inverse matrix calculator and graphs
6	Theoretical	Unemployment and employment Incident analysis: full-time employment, part-time employment, value added, productivity by sex and productivity. Assignment: Calculations and applications related to different employment indicators
7	Theoretical	Investments Incident analysis: Fixed capital investments, land investments, building investments, machinery and equipment investments and profitability analysis
8	Intermediate Exam	midterm exam
9	Theoretical	Introduction to Eviews, Basic Econometric Revision
10	Theoretical	Simple and Multiple Regression, Constraint and Diagnostic Tests
11	Theoretical	Stability
12	Theoretical	Cointegration, Structural Fracture Tests
13	Theoretical	Granger Causality, Vector Autoregression
14	Theoretical	Time Series Models, Model Selection Criteria
15	Theoretical	Preparation of final report



16	Final Exam	Final exam
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Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	3	84
Laboratory	4	2	3	20
Midterm Examination	1	8	1	9
Final Examination	1	11	1	12
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	to be able to create equations, making charts, using Excel, Econometric views, Word and Powerpoint software effectively for economic analysis
2	By the end of the semester, students will be able to estimate econometric models using statistical software packages
3	Interpret the output of statistical/econometric analyses and decide whether the obtained results are of 'statistical significance
4	To be able to think with the concepts of behavioral economics and experimental economics
5	To be able to understand concept of behavioral economics

Programme Outcomes (Economics)

1	To be able to understand and interpret the concepts, theories and methods of basic economics
2	To be able to apply mathematical, statistical and econometric analysis tools to economic problems
3	To be able to interpret the structure and characteristics of the markets in the economy by understanding the current economic events
4	To be able to define the role of innovation, creativity and technology concepts in the dynamic global economy.
5	To be able to prepare projects and to gain creativity skills
6	To be able to analyze macro and micro economic activities.
7	To be able to adapt the philosophy of lifelong learning

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

