



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		General Equilibrium Models							
Course Code		EKO632		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	124 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		<p>This is a course on the dynamic applied economic modeling which will introduce all the basic tools for constructing and implementing the applied general equilibrium models for policy analysis. The formal aim of the course is to cover Computable General Equilibrium (CGE) modeling with the use of GAMS software. By the end of the course, the participants will have the knowledge of the structure of open economy general equilibrium models, building the database for such models, building social accounting matrices, calibrating and formulating a CGE mode and, implementing the model on the computer using the GAMS software. The dynamic CGE has been widely used in applied modeling literature on a number of areas such as trade, environment, finance and intertemporal overlapping generations. Although the main purpose of the course is to teach applied modeling, basic theoretical features of modeling techniques will also be covered. The course will start with the basics of CGE, uch as Social Accounting Matrix (SAM) and theoretical structures. Those who would like to further their study of CGE modeling will have the basic features of trade, environmental, financial and intertemporal overlapping generations modeling structure. Students will be expected to understand the modeling frameworks to apply in their research studies, such as the PhD thesis</p>							
Course Content		<p>General Equilibrium Theory, partial equilibrium, general equilibrium, Edgeworth Box Diagram, Walras law, Pareto optimal, Production general equilibrium, production facilities curve, marginal conversion rate, the overall balance of distribution, Second Best Theorem, Computable general equilibrium model, strengths and weaknesses, calculate Social matrix, input-output tables, computable general equilibrium models designing, trade and tax of computable general equilibrium models Application of the policy</p>							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Ölmezoğulları, N., (1998) Bölüşüm, Genel Denge ve Refah Ekonomisi, Ezgi Kitabevi.
2	John B.Shoven ve John Whalley ; Applying General Equilibrium, Cambridge University Press
3	Çağatay Telli (2004), "Sosyal Hesaplar Matrisi Üretme Yöntemi ve Türkiye Uygulaması", DPT

Week	Weekly Detailed Course Contents	
1	Theoretical	The history of the input and the overall balance the overall balance
2	Theoretical	Proof of the existence of general equilibrium
3	Theoretical	Assumptions are based on the overall balance
4	Theoretical	General equilibrium and Pareto optimality relationship
5	Theoretical	General equilibrium and social preferences, the relationship
6	Theoretical	Pareto optimum one based on value judgments
7	Intermediate Exam	Midterm Exams
8	Theoretical	The main features and conditions of Pareto optimum one
9	Theoretical	Pareto optimality and competitive equilibrium
10	Theoretical	The theory of second best
11	Theoretical	Analysis of social preferences
12	Theoretical	Concepts of Optimality
13	Theoretical	Welfare economics and the boundaries
14	Theoretical	General equilibrium models and analysis of Turkey's economic performance
15	Final Exam	Final Exam



Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	3	3	90
Midterm Examination	1	10	2	12
Final Examination	1	20	2	22
Total Workload (Hours)				124
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	General equilibrium models of learning at the doctoral level.
2	General equilibrium models to examine the effects of economic performance.
3	General equilibrium models of the effects on the economy of Turkey.
4	Acquisition of a critical view of the general equilibrium approach
5	Can make an analysis about subjects and can comment on economy

Programme Outcomes (Economics Doctorate)

1	A student who graduated from the Ph.D. program in Economics is a selected area of ??the economy achieves the title of doctor in this field by writing a thesis.
2	Economics doctoral graduates of public and private universities, especially as a faculty member or teaching assistant can be employed.
3	Completed his Ph.D. in Economics is a powerful analysis of macro and microeconomic issues are capable of
4	Graduates of this program by examining Turkey's economic policies and what policies they have important positions in determining which state is active.
5	Those with a doctoral degree in this program in Turkey educate themselves about financial markets and international financial markets.
6	Graduates of this program of economic thought, but to succeed in the examination of systems and influences of today's economic policies.
7	As a graduate of this program, doctoral students as knowledgeable about Turkey-EU economic relations and writing a dissertation on this subject, have an opportunity to make research
8	Development with the completion of the PhD program, students from the regions of Turkey are more successful in addressing social and economic diversity
9	Graduates of this program, entering the market as a doctor in the new economy, skilled labor force to examine the role of change dynamics and the state are described as new.
10	Graduates of this program to increase the development of knowledge and technology in Turkey by examining the actions will have information about the reflections of the economy.
11	Doctoral program in economics from the financial crisis is a challenge in assessing the student attended conferences in Turkey and become familiar with his academic studies.
12	Graduates of this program will also have information on monitoring Turkey's economic history.
13	Graduates of this program to completing his doctorate of economics as individuals who are trained in their own mediums are represented in the labor market.

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	5	5	4
P2	5	5	5	5	4
P3	5	5	5	5	4
P4	5	5	5	5	4
P5	5	5	5	5	4
P6	5	5	5	5	4
P7	5	5	5	5	4
P8	5	5	5	5	4
P9	5	5	5	5	4
P10	5	5	5	5	4
P11	5	5	5	5	4
P12	5	5	5	5	4
P13	5	5	5	5	4

