AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Game Theory						
Course Code	UEK512		Couse Level	Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	126 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course							
Course Content							
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	Mustafa Sevüktekin, Ekonometriye Giriş, Dora Yayınları, 2013, Bursa.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to Game Theory
2	Theoretical	Nash Equilibrium: Theory
3	Theoretical	Nash Equilibrium Models
4	Theoretical	Mixed Strategy Equilibrium
5	Theoretical	Extensive Games with Perfect Information: Theory
6	Theoretical	Extensive Games with Perfect Information: Applications
7	Theoretical	Extensive Games with Perfect Information: Extensions and Discussion
8	Theoretical	Mid Term Examination
9	Theoretical	Coalitional games and the Core
10	Theoretical	Bayesian Games
11	Theoretical	Extensive Games with Imperfect Information
12	Theoretical	Evolutionary Equilibrium
13	Theoretical	Repeated Games
14	Theoretical	Bargaining Models

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	6	3	126
			Total Workload (Hours)	126
			[Total Workload (Hours) / 25*] = **ECTS**	5

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to comprehend and evaluate any issue or problem in financial economics individually, to develop solutions to problems independently and apply them when necessary.
2	To be able to develop new strategic approaches for unexpected, complicated situations in financial economics and take responsibility in solving it.
3	To be competent in the tools that will put the acquired expert knowledge to professional use.
4	To possess the communication network to put the economic and social needs of the region of residence on the agenda.
5	To have adequate social responsibility and conciousness about the needs of society and to have the experience and authority to organize and support the operations that can affect and drive the social dynamics when necessary.

Programme Outcomes *(Applied Econometry Interdisciplinary Master)*

1	Will be able to collect data related to social and economic topics.
2	Will be able to get raw data ready for statistical and econometric analysis.
3	Will be able to build econometric models that describe the data generating process behind data.
4	Will be able to interpret the results that are obtained through econometric analysis.
5	Will be able to conduct an independent empirical research project from start to finish.

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	3	2	4	1
P2	2	2	3	2	2
P3	1	1	4	2	2
P4	5	2	5	4	3
P5	2	3	4	3	4