



COURSE: Game Theory		
DEGREE: Political Science	YEAR: 3	TERM: 2

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUP (Mark X)		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Introduction. What is Game Theory. Some methodology in Economics and Game Theory. Descriptive and normative uses.	X			Readings: "Notas de clase. Capítulo 1"	1,5	6
1	2	Static games 1: The elements of the game. First games: coordination, battle of the sexes. Using models to look for more elements in the real world. No reduced session.	X			Readings: "Notas de clase. Capítulo 1"	1,5	
2	3	Static games 2: First games: the chicken game, prisoners' dilemma, matching pennies.	X			Readings: "Notas de clase. Capítulo 1". Home work on problem set 1.	1,5	6
2	4	Class work on problem set 1.		X		Home work on problem set 1.	1,5	
3	5	Static games 3: Towards the equilibrium. Strictly dominated strategies, razionalizable strategies, Nash equilibrium. Equilibria in the games of	X			Lectura "Notas de clase. Capítulo 2". Trabajo en casa de la Lista de problemas 2.	1,5	6

		previous weeks. Weakly dominated strategies. Mixed strategies. Nadal vs Federer. How they play in real life.						
3	6	Class work on problem set 2.		X		Readings: "Notas de clase. Capítulo 2". Home work on problem set 2.	1,5	
4	7	Static games 4: Applications: Voting. Voting rules. Sincere and strategic voting. Nash equilibria in the majority rule. Logrolling. Hotelling location games.	X			Readings: "Notas de clase. Capítulo 3". Home work on problem set 3.	1,5	6
4	8	Class work on problem set 3.		X		Readings: "Notas de clase. Capítulo 3". Home work on problem set 3.	1,5	
5	9	Static games 5: More applications. Cournot, Bertrand. Voluntary contributions to public goods.	X			Readings: "Notas de clase. Capítulo 3". Home work on problem set 4.	1,5	6
5	10	Class work on problem set 4.		X		Readings: "Notas de clase. Capítulo 3". Home work on problem set 4.	1,5	
6	11	Discussion on Economics, Game Theory and modeling.	X			Preparing quiz 1.	1,5	7
6	12	Quiz 1		X		Readings: "Notas de clase. Capítulo 4". Home work on problem set 5.	1,5	
7	13	Dynamic games 1. Introduction.	X			Readings: "Notas de clase. Capítulo 4". Home work on problem set 5.	1,5	6
7	14	Class work on problem set 5.		X		Readings: "Notas de clase. Capítulo 4". Home work on problem set 5.	1,5	
8	15	Dynamic games 2. Credibility.	X			Readings: "Notas de clase. Capítulo 4". Home work on problem set 6.	1,5	6
8	16	Class work on problem set 6.		X		Readings: "Notas de clase. Capítulo 4". Home work on problem set 6.	1,5	
9	17	Dynamic games 3: elimination of strategies, giving up control.	X			Readings: "Notas de clase. Capítulo 4". Home work on problem set 7.	1,5	6
9	18	Class work on problem set 7.		X		Readings: "Notas de clase. Capítulo 4". Home work on problem set 7.	1,5	
10	19	Dynamic games 4. Voting.	X			Readings: "Notas de clase. Capítulo 5". Home work on problem set 8.	1,5	6
10	20	Class work on problem set 8.		X		Readings: "Notas de clase. Capítulo 5". Home work on problem set 8.	1,5	
11	21	Dynamic games 5. Negotiation.	X			Readings: "Notas de clase. Capítulo 6". Preparing quiz 2.	1,5	7
11	22	Quiz 2.		X		Readings: "Notas de clase. Capítulo 6". Home work on problem set 9.	1,5	

12	23	Dynamic games 6. Repeated games.	X			Readings: "Notas de clase. Capítulo 6". Home work on problem set 9.	1,5	6
12	24	Class work on problem set 9.		X		Readings: "Notas de clase. Capítulo 7". Home work on problem set 9.	1,5	
13	25	Power indexes.	X			Readings: "Notas de clase. Capítulo 14". Home work on problem set 10.	1,5	6
13	26	Class work on problem set 10.		X		Readings: "Notas de clase. Capítulo 14". Home work on problem set 10.	1,5	
14	27	Case discussion.	X			Preparing quiz 3.	1,5	5
14	28	Quiz 3.		X			1,5	
Subtotal 1							42	85
Total 1 (Hours of class plus student homework hours between weeks 1-14)							127	

15		Tutorials, handing in, etc						
16		Assessment					3	20
17								
18								
Subtotal 2							3	20
Total 2 (Hours of class plus student homework hours between weeks 15-18)							23	

TOTAL (Total 1 + Total 2)							150	
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