

COURSE: Introduction to Mathematics for Economics		
DEGREE: Economics	YEAR: 1º	TERM: 1º

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESION (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. Estim. 3,25h)
1	1	Real umbers: inequalities, intervals and absolute value. General properties of functions.	X			Reading class notes and solving assigned problems.	1,5	3,25
2	2	Exercises of inequalities resolution and representation of functions.		X		Reading class notes and solving assigned problems.	1,5	3,25
3	3	Functions: general properties (continued). Limits, continuity and asymptotes.	X			Reading class notes and solving assigned problems.	1,5	3,25
4	4	Representation of functions and calculation of limits.		X		Reading class notes and solving assigned problems.	1,5	3,25
5	5	Global continuity: zeros and global extremes of a function.	X			Reading class notes and solving assigned problems.	1,5	3,25
6	6	Approximate solution of equations. Distinction between maximum and maximizers.		X		Reading class notes and solving assigned problems.	1,5	3,25
7	7	Geometric meaning and calculation of derivatives.	X			Reading class notes and solving assigned problems.	1,5	3,25
8	8	Exercises of derivative calculation.		X		Reading class notes and solving assigned problems.	1,5	3,25
9	9	Monotony and derivative: Lagrange's mean value theorem.	X			Reading class notes and solving assigned problems.	1,5	3,25

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			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. Estim. 3,25h)
10	10	Exercises of maximum and minimum calculation.		X		Reading class notes and solving assigned problems.	1,5	3,25
11	11	L'Hopital's rule and Taylor's theorem.	X			Reading class notes and solving assigned problems.	1,5	3,25
12	12	Exercises of calculus of limits and local representation of functions.		X		Reading class notes and solving assigned problems.	1,5	3,25
13	13	Concavity , convexity and inflection points.	X			Reading class notes and solving assigned problems.	1,5	3,25
14	14	Exercises of global representation of functions.		X		Reading class notes and solving assigned problems.	1,5	3,25
Subtotal 1							21	46
Total 1 (Hours of class plus student homework)							67	
15		Tutorials, handing in, etc			X		1,8	-
16		Assessment					3	4
17								
18								
Subtotal 2							4,8	4
Total 2 (Hours of class plus student homework)							9	
TOTAL (<i>Maximun 75 horas</i>)							75	