



**COURSE: Markets and the Environment**

**DEGREE:**

**Bachelor in Economics**

**YEAR: 3rd**

**TERM: 1st**

**WEEKLY PROGRAMMING**

WEEK	SESSION	DESCRIPTION	GROUPS		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINAR		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS Maximum 7 H
1	1	Introduction to environmental economics, growth and sustainability, organization of the class	X			Reading material and problem solving (assigned or new problems).	1,5	5
1	2	Review class on microeconomics, market failure Sheet 1		X		Reading material and problem solving (assigned or new problems).	1,5	
2	3	Non-renewable resources: Hotelling's model	X			Reading material and problem solving (assigned or new problems).	1,5	5
2	4	Exercises: Hotelling's model Sheet 2		X		Reading material and problem solving (assigned or new problems).	1,5	
3	5	Non-renewable resources: monopoly and recycling	X			Reading material and problem solving (assigned or new problems).	1,5	5
3	6	Exercises: monopoly and recycling Sheet 3		X		Reading material and problem solving (assigned or new problems).	1,5	
4	7	Renewable resources: concept and growth, static model, free entry Turn in Homework 1	X			Reading material and problem solving (assigned or new problems).	1,5	5
4	8	Solution of Homework 1 Sheet 4		X		Reading material and problem solving (assigned or new problems).	1,5	
5	9	Renewable resources: dynamic model; forests; species extinction, pollution and other externalities, fishery policy	X			Reading material and problem solving (assigned or new problems).	1,5	5
5	10	Case study: optimum level of a renewable resource		X	Computer classroom	Reading material and problem solving (assigned or new problems).	1,5	
6	11	Pollution regulation: Pigouvian taxes and subsidies	X			Reading material and problem solving (assigned or new problems).	1,5	5
6	12	Exercises: pollution regulation Sheet 6		X		Reading material and problem solving (assigned or new problems).	1,5	
7	13	Pollution regulation: quotas, comparison taxes vs. quotas Turn in Homework 2	X			Reading material and problem solving (assigned or new problems).	1,5	5

7	14	Solution of Homework 2		X		Reading material and problem solving (assigned or new problems).	1,5	
8	15	Pollution regulation: Coase theorem, tradable emission permits	X			Reading material and problem solving (assigned or new problems).	1,5	5
8	16	Emission trading game		X		Reading material and problem solving (assigned or new problems).	1,5	
9	17	Pollution regulation: Kyoto Protocol, European Emissions Trading Scheme Turn in Homework 3	X			Reading material and problem solving (assigned or new problems).	1,5	5
9	18	Solution of Homework 3		X		Reading material and problem solving (assigned or new problems).	1,5	
10	19	Midterm exam	X			Reading material and problem solving (assigned or new problems).	1,5	5
10	20	Solution of midterm exam		X		Reading material and problem solving (assigned or new problems).	1,5	
11	21	Valuation: revealed preferences, hedonic pricing, travel cost method	X			Reading material and problem solving (assigned or new problems).	1,5	5
11	22	Case study: hedonic pricing		X	Computer classroom	Reading material and problem solving (assigned or new problems).	1,5	
12	23	Valuation: stated preferences, contingent valuation	X			Reading material and problem solving (assigned or new problems).	1,5	5
12	24	Exercises: contingent valuation Sheet 7		X		Reading material and problem solving (assigned or new problems).	1,5	
13	25	International aspects of environmental regulation	X			Reading material and problem solving (assigned or new problems).	1,5	5
13	26	Exercises: international aspects of environmental regulation Sheet 8		X		Reading material and problem solving (assigned or new problems).	1,5	
14	27	Multilateral environmental agreements Turn in Homework 4	X			Reading material and problem solving (assigned or new problems).	1,5	5
14	28	Solution to Homework 4		X		Reading material and problem solving (assigned or new problems).	1,5	
<b>SUBTOTAL</b>							<b>42</b>	<b>+ 68 = 110</b>
15		Tutorials, handing in, etc						5
16-18		Assessment					3	5
<b>TOTAL</b>							<b>150</b>	