

# **Environmental Economics,**

## **Review Course, NA0184, 5.0 hp**

### **Schedule**

*Course coordinator & teacher:* Efi Kyriakopoulou, [efthymia.kyriakopoulou@slu.se](mailto:efthymia.kyriakopoulou@slu.se)

*Teacher Assistant:* Ida Nordin, [ida.nordin@slu.se](mailto:ida.nordin@slu.se)

Please note that the course will be given in **English**.

#### **Objective**

This course aims at providing the students with a broad overview of the economic concepts related to environmental problems and natural resource issues. We focus on environmental policy-making and the practicalities of this sort of policies, both from the perspective of those implementing the policy, but also from the perspective of those facing new regulations.

#### *Learning Outcomes (LO)*

After passed course the student should

1. discuss current environmental challenges,
2. demonstrate a good knowledge of how to solve environmental problems,
3. present very good arguments for selecting a specific policy for each environmental challenge,
4. critically review and present scientific outcomes of enforced environmental policies,
5. work effectively with a group and be able to negotiate and handle conflict with confidence.

#### **Forms of Examination**

The examination of the course includes the following mandatory parts:

- Active participation in the seminar discussions on enforced environmental policies (Learning outcome 4).
- Work in groups, written report and participation in a debate session (Learning outcome 5).
- Written exam (Learning outcomes 1, 2, 3, 4).

The grading scale for the course is 3-5.

The final grade is decided based on the **home-invigilated written exam** and the **case study** (debate session). The case study may give maximum 20 credits. The exam has four questions; each question may give maximum 20 credits. Thus, the maximum for the case study and the exam is 100 credits in total. In order to get grade:

- 3 you must have at least 50 points in total.
- 4 you must have at least 70 points in total.
- 5 you must have at least 85 points in total.

Seminar participation is mandatory!!

## Literature

### Books

- Sterner, T. and J. Coria (2012). Policy instruments for environmental and natural resource management. Second Edition. Resources for the Future, Routledge Taylor& Francis Group.
- Pindyck, R.S. and D.L. Rubinfeld (2005). Microeconomics. Pearson Eds.

**The Zoom links will be available on Canvas.**

**Students are expected to have watched the videos before the meetings.**

Date	Lecture / Teacher	Title	Reading material
<b>March 26</b> <b>9.00-11.00</b> <b>Zoom</b>	1  Efi	Introduction to the course.  Challenges for environmental policy-making.  (Zoom discussion + video No.6)	SC, Ch. 1-3
<b>April 6</b> <b>9.00-11.00</b> <b>Zoom</b>	2  Ida	Basic economic concepts of efficiency and markets.  (Videos No. 1,2,3,4,5 & 6)	Pindyck & Rubinfeld
<b>April 12</b> <b>9.00-11.00</b> <b>Zoom</b>	3  Ida	Market Failures — externalities, public goods and incomplete information.  (Video No.7)	SC, Ch. 1-3

<b>Apr 13</b>  <b>Recorded videos</b>	4	Introduction to policy instruments.  Direct regulation of the environment.  Taxes and subsidies.  <b>(Videos No. 8-10)</b>	SC, Ch. 4  SC, Ch. 5
<b>Apr 19</b>  <b>10.00-12.00</b>  <b>Zoom</b>	5  Efi	Tradable permits.  Other relevant policy instruments: deposit-refund schemes and refunded emissions payments, property rights, information provision and legal instruments.  International Aspects of Policy Design  <b>(Videos No. 11-13)</b>	SC, Ch. 6  SC, Ch. 7- 8   SC, Ch. 14
<b>Apr 26</b>  <b>9.00-11.00</b>  <b>Zoom</b>	6  Efi / Ida	Exercises  <b>Initiation of case-study exercise.</b>	
<b>May 3</b>  <b>10.00-12.30</b>  <b>Zoom</b>	7  Efi	Policy Instruments for Road Transportation.  <b>Seminar I</b>	SC, Ch. 16-19
<b>May 10</b>  <b>10.00-12.30</b>  <b>Zoom</b>	8  Efi	Global Issues  Political Economy and the Environment  <b>Seminar II</b>	
<b>May 20</b>  <b>9.00-12.00</b>  <b>Zoom</b>	9  Efi	<b>Case Study</b>  Questions and review	

		<b>(Mandatory assignment presentation)</b>	
<b>May 31</b> <b>9.00-13.00</b>	<b>Exam</b>		
<b>August</b>	Re-exam		