

Code: 1363 Environmental Economics**Degree:** 2nd cycle – Environmental Engineering; Forestry and Natural Resources**Stream:** All**Curricular Year:** 1st**Semester Course:** 1st**Credits:** 6 ECTS**Compulsory****Language:** Portuguese/English**Responsible:** José Manuel Osório de Barros de Lima e Santos**Other lecturer(s):****Web Site:** <http://www.isa.utl.pt/home/node/3772>**1. Contact hours:****Lecture/Practicals 70 Others 14 Total 84****2. Objectives:**

Students should:

- understand the basic economic problem of choice in settings where resources are scarce;
- learn the basic economic concepts underlying the economic approach to the environment and natural resources;
- be able to apply environmental economic methods to the design and analysis of pollution control and biodiversity conservation policies;
- be able to critically apply cost-benefit and non-market valuation techniques.

3. Programme:**1. Principles, concepts and analytical models in environmental economics.**

The economy and the environment. Economic causes of environmental problems. Environmental policies and their economic assessment.

2. Pollution economics.

The economic analysis of pollution. The evaluation of pollution control policies.

3. Biodiversity economics.

The economic analysis of biodiversity loss. The evaluation of conservation policies.

4. Decision support tools for environmental policy making and environmental management.

Cost-benefit analysis. The economic valuation of the environment. Damage assessment in an environmental liability context. Green accounting. Cost-effectiveness analysis.

4. Bibliography:**Main Bibliography**

Tom Tietenberg (1988). *Environmental and Natural Resource Economics*. 3^a Edição. Harper Collins Publishers, Nova Iorque.

Other Bibliography

Check in the summaries of the lectures

5. Assessment:

- Two tests (weight: 70%);
- A presentation, in a seminar environment, to be carried out by groups of students on a subject selected by students (weight: 30%)

6. Estimated Workload:

168	Hours
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7. Last Update:

19/9/2011
