Syllabus

Term: 2025/26/2 **Subject name:** Environmental Economics **Subject code:** B19GMC06E

Unit (Unit code)	Department of Economics and Econometrics (KÖI)
Lecturer responsible for the course:	Dr. ERDŐS Katalin
Requirement:	Term mark
Classes per week :	0/2/0
Classes per term:	

Purpose of education:

Aims:

Economic growth and environmental pollution seem to go hand-in-hand. Global issues give alarming signs of environmental and social crises. The aim of this course is to provide the students with an understanding of basic concepts and principles of environmental economics. The course enables the students to understand and critically analyse global issues and the potential answers to them. It also provides them with knowledge required for intermediate courses in environmental economics.

Learning outcomes:

On completion of this module, the successful student will be able to:

1. explain core issues in the field of environmental economics
2. evaluate the applicability of theories in the changing global environment
3. examine the characteristics of efficient pollution control policies
4. design effective small-scale research
5. propose solutions to complex issues related to environmental pollution
6. model the costs and benefits of pollution control policies.

Contents:

Syllabus

Term: 2025/26/2 **Subject name:** Environmental Economics **Subject code:** B19GMC06E

Contents:

Syllabus:

- Introduction, visions of the future
- The economic approach: Property rights, externalities and environmental problems
- Evaluating trade-offs: Benefit-cost analysis and other decision-making metrics
- Valuing the environment: Methods
- Economics of pollution control: An overview
- Stationary-source local and regional air pollution
- Climate change
- Mobile-source air pollution
- Water pollution
- Toxic substances and environmental justice
- History of environmental protection: Sustainability and welfare issues
- Visions for the Future Revisited

System of examing and valuation:

Formative assessment scheme

Real-life or hypothetical case studies are processed in groups in order to enhance better understanding of theoretical concepts and support the understanding of application of policy tools in practice. The solutions are discussed and feedback on the groups' solutions is provided by peers and the lecturer.

Summative assessment scheme

Individual class work gives 15% of the final grade. It is based on the contribution of the student to the open discussion of the hypothetical and real-life cases and general participation in the discussions. (K1,2,3)

Group class work gives 15% of the final grade. Each group is requested once during the semester to

Term: 2025/26/2 **Subject name:** Environmental Economics **Subject code:** B19GMC06E

System of examing and valuation:

present their complete solution for the in-class work (see formative assessment). It provides an opportunity for students to demonstrate their ability to apply theoretical concepts to address practical problems. (K1,2,3)

There is no resit opportunity for any of the class works.

Individual research assignment gives 70% of the final grade. The assignment has to be submitted before the last week of the study period. In the assignment the student has to critically discuss an issue in the field of environmental economics based on individual data collection and theoretical concepts. The topic has to be submitted for approval at least 2 weeks before the submission deadline. Assignments submitted on topics not approved by the lecturer will be automatically rejected without correction. (S1,2,3)

If the student fails to achieve more than 50% on the individual research assignment, there is one resubmission opportunity during the first week of the examination period.

Bibliography:

Required material:

David A. Anderson (2014): *Environmental Economics and Natural Resource Management*. London, New York: Routledge. 4th edition

Tom Tietenberg – Lynne Lewis (2015): *Environmental & Natural Resource Economics. Pearson Education*. 10th edition

Term: 2025/26/2 **Subject name:** Environmental Economics **Subject code:** B19GMC06E

Bibliography:

Optional material:

Katalin Erdős (2014): Environmental Economics. Faculty of Business and Economics, University of Pécs (e-book)

Roger Pearman – Yue Ma – Michael Common – David Maddison – James McGilvray (2011): Natural Resource and Environmental Economics. Pearson Education. 4th edition

Useful websites:

www.pearsoned.co.uk

Bibliography: