

MODULE ENVIRONMENTAL ECONOMICS (075560 / 075561 - WS 22/23)

SYLLABUS

Prof. Andreas Löschel

CONTENT

The lecture "Environmental Economics" deals with the environmental impacts of human economic activity. A special focus is on the environmental impacts of the energy system, for example in the form of air pollution or greenhouse gas emissions. The welfare economic foundations of environmental economics are discussed, as well as environmental economic goal setting and its implementation through environmental policy instruments for local and global pollutants. Both the determination of the costs of environmental economic regulation and its benefits are analyzed.

TOPICS AND LEARNING OBJECTIVES

- Fundamentals of environmental economics: Recognize the importance of the environment for the economy and understand the need for environmental economic regulation.
- Instruments of environmental economics: Analyze economic solution strategies for energy-related environmental problems.
- Environmental valuation and cost-benefit analysis: Get to know methods to evaluate costs of environmental regulation and benefits of environmentally friendly behavior.

ORGANIZATION

The lecture will take place in presence. In an accompanying exercise, the material of the lecture is deepened and applied. Active participation in the exercises is highly recommended since the exam assignments are also based on the material of the exercises. Active participation means that you prepare the exercises independently.

All teaching materials and current information can be found in the associated Moodle course

Until the start of the course you can enroll in the Moodle course without a password. Afterwards, please contact Dr. Feldhaus (christoph.feldhaus@rub.de) to get enrolled.

Registration: For participation in the exam, self-registration by the students via FlexNow is absolutely necessary. The regular registration period for exams in the winter term 2022/23 via FlexNow runs from 12.12.2022 to 06.01.2023. Always check the website of the examination office for the latest changes:
<https://www2.wiwi.rub.de/pruefungsammt/informationen-uebersichten/>

Examination: Final exam on 22.02.23 between 8 and 10 am.

Please note that participation in the exam is not possible if you do not register or register late in the FlexNow system!

Start: 12.10.2022, 12:00 – 14:00h in HZO 80

SCHEDULE OF EVENTS

1. Lecture

Every week there will be a lecture in presence. The lecture is held by Prof. Dr. Andreas Löschel and takes place on Wednesdays 12:15-13:45 in HZO 80.

2. Exercise

Every week there will be an exercise in presence. The exercise is held by Dr. Christoph Feldhaus and takes place on Thursdays 18:15-19:45 in UFO 0/10. The exercise starts on October, the 20th.

Registration procedure

To access the course materials and updates, students need to register on the e-learning platform Moodle. The registration for the exam is only possible through FlexNow within the deadlines as published by the Examination Office.

SELF STUDY

You are expected to prepare and follow up the lecture slides and to try to solve the exercises yourself. By constantly working through the course material, you have a high chance of successfully passing the exam.

LITERATURE AND WORKING MATERIALS

Lecture presentation slides, exercise assignments, and any additional materials will be provided on Moodle.