

MODULE CLIMATE CHANGE ECONOMICS (075231-SOSE22)

SYLLABUS – SUMMER TERM 2022

Prof. Andreas Löschel

CONTENT

The module "Climate Change Economics" deals with the formation and regulation of greenhouse gas emissions. The problems of international climate policy will be presented and national and international approaches to combat climate change are discussed, for example the European Emissions Trading Scheme. The economic consequences of emission reduction policies are analyzed. The economic models used for impact assessment are presented and explained. There is an introduction to climate economic modeling, from simple partial models to input-output and computable general equilibrium models.

TOPICS AND LEARNING OBJECTIVES

In this module students get to know

- International climate policy: Understanding strategies to avoid greenhouse gas emissions.
- Regulation: Knowing approaches to greenhouse gas reduction such as the European Emissions Trading Scheme.
- Economic Impact Assessments on climate policy: Gaining an overview of quantitative modeling methods.

ORGANIZATION

The lecture will take place in blocks in presence (see event schedule). 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:
<https://moodle.ruhr-uni-bochum.de/course/view.php?id=45045>

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 request the password.

Registration: For participation in the exam, registration via FlexNow is absolutely necessary. The regular registration period for exams in the summer semester 2022 via FlexNow runs from Monday, May 23 to Friday, June 17, 2022. The deregistration period for exams via FlexNow ends one week before the respective exam. Always check the website of the examination office for the latest changes: <https://www2.wiwi.rub.de/pruefungsamt/informationen-uebersichten/>

Examination: Final exam.

Start: 6. April 2022, 14:00 – 19:00h in UFO 0/10

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

SCHEDULE OF EVENTS

1. Lecture

The following schedule shows the dates of the lecture.

Date	Time	Room
06.04.2022	14:00 – 19:00	UFO 0/10
11.05.2022	14:00 – 19:00	TBA
03.06.2022	14:00 – 19:00	HZO 60
04.07.2022	14:00 – 19:00	HZO 40
08.07.2022	10:00 – 12:00	HGB 0

2. Exercise

Every week there will be an exercise in presence. The exercise is held by Dr. Christoph Feldhaus and takes place on Thursdays 16:00-17:30h in GD 04/620. The exercise starts on April, the 14th.

Registration procedure

To access the course material 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.