

Energy and Environmental Economics

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Course overview

Energy is a vital input factor to our economies with major environmental externalities. This course aims at knowing and understanding leading research in energy and environmental economics, with a focus on market failures and how to address them. The discussed topics may include:

- 1) Emissions pricing
- 2) Overlapping climate policies
- 3) Capacity mechanisms
- 4) Energy consumer behavior

For each topic, this course combines topical introductions from the lecturer with student presentations on specific research articles and in-class discussions. In the presentation and a corresponding term paper, students are expected to establish connections to general concepts of behavioral and public economics, draw conclusions for real-world energy and environmental markets and policies, and identify reference points for their own doctoral research.

Course organization

Class hours & venues

- Fridays, 09:00 – 12:00 (see schedule for the irregular dates)
- 827 Seminarraum (KFR1), Alte Wagenfabrik, Vogelsanger Str. 321a

Office hours are offered on request.

Please **register for this course** via KLIPS (1st and 2nd registration period).

No prior knowledge of energy or environmental economics is needed.

This course features a **combined examination**:

- Presentation (60% of points)
- Term paper (40% of points)

The presentation should be 10 minutes long, followed by 5–10 minutes for discussion. The presentations will be integrated into sessions 2 to 6 (see dates below). The term paper should comprise about 2,000 words.

Further information and course material will be distributed via the **ILIAS platform**.

For **questions**, please do not hesitate to reach out to:

- Content: Maximilian Walde (walde_maximilian@wiso.uni-koeln.de)
- Administration: Monika Räthe (monika.raethe@uni-koeln.de)

Course schedule

The following schedule is tentative. Potential changes would be communicated via ILIAS.

Date	Type	Event
11 Apr 25	Session 1	Introduction to the course
<i>By 14 Apr 25, 23:59</i>	<i>Deadline</i>	<i>Register for examination</i>
<i>By 18 Apr 25, 23:59</i>	<i>Deadline</i>	<i>Withdraw from examination</i>
25 Apr 25	Session 2	Lecture + Student presentations 1
09 May 25	Session 3	Lecture + Student presentations 2
23 May 25	Session 4	Lecture + Student presentations 3
06 Jun 25	Session 5	Lecture + Student presentations 4
13 Jun 25	Session 6	Lecture + Student presentations 5
04 Jul 25	Buffer	
<i>By 31 Jul 25, 23:59</i>	<i>Deadline</i>	<i>Term paper</i>