University of Cologne

Department of Economics – Chair in Economics and Energy Economics

PD Dr Dietmar Lindenberger

Outline of the course

"Energy, Resources, Environment, and the Economy"

Summer Term 2021

Module No. 14289.0802 (VU) MA (Lecture and integrated Exercise)

Workload: corresponding to 6 ECTS

Time: Thursdays 14.00 – 17.30

Location: Virtual ZOOM Meeting

Contents. This course makes an attempt to consider the interdependence of energy use, economic activity, and environmental impacts from an interdisciplinary perspective. We start with natural science foundations of energy conversion and entropy production, and microeconomic foundations of environmental economics. The course discusses environmental externalities, strategies and policy instruments, like eco-taxes or emission trading systems. We also include current energy and environmental policy issues in Germany, the EU, and beyond.

Literature

- R.Kümmel, The Second Law of Economics, Springer, 2011
- A.Endress, Environmental Economics – Theory and Policy, Cambridge Uni Press, 2011
- R.Perman et al., Natural Resource and Environmental Economics, Pearson Ed. Lt., 2003
- D.Lindenberger, The impact of German CO2 reduction targets on the EU electricity market, World of Mining, 2016

Exam: 60 min written exam.