



**Announcement – Winter Semester 2024/2025**

# **Environmental Policy Analysis**

**SWS: 2, LV-No. 610701000**

<b>Dozentin / Dozent:</b>	<b>Dr. A. A. Uribe Poblete, Dr.-Ing. L. He</b>
<b>Vorlesungszeit / Time:</b>	<b>Mondays, 08:00 – 11:15 h</b>
<b>Ort / site:</b>	<b>IFK, Pfaffenwaldring 23, Hörsaal V 23.01</b>
<b>Dates for lectures:</b>	<b>14.10.2024, 28.10.2024, 04.11.2024, 18.11.2024, 02.12.2024, 16.12.2024, 20.01.2025</b>

**Content:**

The course aims to provide students with an in-depth understanding of Environmental Policy Analysis linked to the challenge of Emissions Reduction in Industrial Processes.

Topics include environmental economics and pollution control models, command-and-control strategies, and benefit-cost analysis. The course will also cover the enforcement of emission standards, reporting requirements, cost implications, and challenges in ensuring environmental compliance. Additionally, students will explore carbon neutrality policies and technologies, including electrification, energy efficiency, and renewables, along with carbon dioxide removal. Technology assessment will be a crucial part of the curriculum, where students will learn to evaluate and compare different technologies for their environmental and economic impacts under the concept of externalities. Incentive-based strategies like pollution taxes, market-based systems, and abatement subsidies will be discussed, as well as strategies for carbon emissions reduction. Finally, the course will conclude with Environmental, Social, and Governance (ESG) standards and the avoidance of greenwashing through third-party verification.

Assessment for this course will consist of a written examination lasting 60 minutes.