wir911 - Advanced Topics of Sustainability Economics

Module label	Advanced Topics of Sustainability Economics
Modulkürzel	wir911
Credit points	6.0 KP
Workload	180 h
Verwendbarkeit des Moduls	• > • Master's programme Business Administration: Management and Law (Master) > • Master's Programme Sustainability Economics and Management (Master) > Additional Modules
Zuständige Personen	• Böhringer, Christoph (module responsibility) • Siebenhüner, Bernd (module responsibility) • Lehrenden, Die im Modul (Prüfungsberechtigt) • Riesenbeck, Lukas (Module counselling)
Prerequisites	none
Skills to be acquired in this module	This course aims at giving students an understanding of reasons, goals and instruments for climate policy, as well as implied complications due to the long term characteristics and the international dimension of climate change. Students first learn basics about the natural science of climate change and the main statements of climate research about the anthropogenic contribution to climate change. The economic interpretation of high pollution as a symptom of a market failure then leads to the treatment of policy instruments, and the understanding of economic efficiency as a prerequisite for effective climate policy. Game theoretic analysis of international negotiations and agreements provides key insights about the international dimension of the problem. By means of practical examples students then see in detail the functionality and pitfalls of selected implemented (or currently discussed) policies, e.g. the EU-ETS.With successful completion of the course, students shall be able to judge climate policy issues on an informed scientific basis (natural science and economics).
Module contents	Natural science of climate change: greenhouse effect; measures, causes and impacts of climate change. Economics of climate change: market failures (public goods, externalities); game theory of international agreements (prisoner's dilemma, chicken game, assurance game, repeated games, continuous choice); environmental policy instruments (especially taxes, tradable permits). Climate policy in practice: EU-ETS (pitfalls: market segmentation, conditional grandfathering, lobbying); emission taxes and the EU-ETS; interaction between black and green quotas; embodied carbon tariffs.
Literaturempfehlungen	Perman et al (2003), Natural resource and Environmental Economics, Pearson, 3rd edition or Perman et al (2011), Natural resource and Environmental Economics, Pearson, 4th edition
Links	
Languages of instruction	German, English
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Type of module	je nach Studiengang Pflicht oder Wahlpflicht
Module level	---

Examination	Prüfungszeiten	Type of examination
Final exam of module	end of semester	written exam

Form of instruction	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercises		2		28
Seminar				
Präsenzzeit Modul insgesamt				56 h