Renewable Energy: Policy and Development – Course Overview 2014 (preliminary)



Week	Global Decisions, Local Actors	Guest Lectures	Visits/Field Trips	Projects
I: Introduction	Introduction from the viewpoint of Political Science: "Energy Policy", "Energy Security" and "Renewable Energy" Sustainable Development and Energy Policy Common ELL Energy Policy"	German Development Institute (GDI) National Research Center Jülich	National Research Center	To be determined. Projects in 2013 were: Electrochemical Energy
The European Union	Common EU Energy Policy: History (European Steel and Coal Community, European Atomic Energy Community) Towards the future – a common strategy?	National Research Center Julich University of Bonn (Agriculture)	 National Research Center Jülich EU Commission, Brussels RWTH Aachen University (Geothermal Energy) 	Conversion Genetic Variability in Miscanthus: Using
III: US and Germany – a Comparison?	 U.S. Energy Policy Germany as a role-model of sustainable energy policy? Case studies 	 Schumacher Industrial Advisory University of Bonn (Resources & Environmental Economics) University of Bonn (Economic Geography) Panel with young professionals Panel with young politicians 	Morbach Energy Community IRENA Innovation and Technology Centre (IITC)	Biodiversity Harvest Technologies and Production of Pellets The Future Costs of Key Renewables
IV & V: Global and Local Actors in Bonn	Current Developments The role of the international community before and after Kyoto	 City of Bonn Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) United Nations University 	 Research Station 'Campus Klein-Altendorf',	Renewables in Developing Countries
V: Simulation and Berlin excursion	Simulation	 Berlin: German Institute for International and Security Affairs Berlin: German Federal Foreign Office Berlin: Ecologic Institute 		Final PresentationsPaper Deadline
Grading Criteria	 In-class participation Written Exam (1 ½ hours) at the end Position Paper & Participation in the Simulation 	Participation		Paper Presentation
Contact hours	34 hours	31 hours		35 hours
% of final grade	65%			35%
ECTS	4 ECTS		2 ECTS	

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Learning outcome /	This interdisciplinary program will give undergraduate students from various academic backgrounds an introduction to the field of renewable energies as a response to today's climate and energy problems.	
objectives	• Students will actively participate and work on group projects, which will enhance their ability to work independently on a scientific problem, evaluate conflicting views, conduct analyses and make recommendations.	
	Students get the chance to improve their presentation skills and capability for teamwork.	
	The structure of the program will train their ability to work in an interdisciplinary context, as well as familiarize them with all levels (global to local) of efforts in the field of renewable energies.	
	Regular classroom will be complemented with guest lectures from and visits to international and local agencies in the field of renewable energy policy and research.	
Germany Today	Complementary to the course work, an intensive one and a half day workshop will introduce students to German history, culture and language	
	• In order to give students a better understanding of their host country and its background, we will undertake cultural visits and excursions, in and around Bonn, and to cities like Berlin, Brussels and Aachen	
Readings	To be determined	
(recommended)		

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