

| Week | Global Decisions, Local Actors | Guest Lectures | Visits/Field Trips | Projects | Germany Today |
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| I: Global actors in Bonn | <ul style="list-style-type: none"> • Introduction from the viewpoint of Political Science: „Energy Policy“, „Energy Security“ and „Renewable Energy“ • Sustainable Development and Energy Policy • The role of the international community I: Development up to the Kyoto Protocol • The role of the international community II | <ul style="list-style-type: none"> • National Research Center Jülich • University of Bonn (Physics) • United Nations Organization • World Wind Energy Association • EUROSOLAR • German Development Institute (GDI) | <ul style="list-style-type: none"> • SolarWorld | <ul style="list-style-type: none"> • Biomass • Systems Integration • Markets & Developing Countries • Local Initiatives • Fuel Cells • Capacity Building (tbc) • Sustainability (tbc) | <ul style="list-style-type: none"> • Introduces students to German history, culture and language • Cultural excursions, for example, to museums and cities like Aachen and Cologne complement the coursework. • One session will be Germany’s approach to climate change and today’s energy challenges as well as the overall relationship of Germans with nature. |
| II: The European Union | <p>Common EU Energy Policy:</p> <ul style="list-style-type: none"> • History (European Steel and Coal Community, European Atomic Energy Community) • Towards the future – a common strategy? • Focus region | <ul style="list-style-type: none"> • RWTH Aachen University (Geothermal Energy) | <ul style="list-style-type: none"> • Research Center Jülich • EU Commission, Brussels | | |
| III: US and Germany – a comparison? | <ul style="list-style-type: none"> • U.S. Energy Policy • Germany as a role-model of sustainable energy policy? • Current developments | <ul style="list-style-type: none"> • North American Studies Program, University of Bonn (NAP) • Local Governments for Sustainability (ICLEI) • Panel with young politicians | <ul style="list-style-type: none"> • US Consulate General | | |
| IV: Local action? “Putting what you learned to work” | <ul style="list-style-type: none"> • Final presentations of students’ work • Simulation | <ul style="list-style-type: none"> • City of Bonn • Chamber of Commerce Bonn/Rhine-Sieg • Meet and greet with young professionals | <ul style="list-style-type: none"> • Research Station, University of Bonn • Morbach Energy Community | | |

Renewable Energy: Policy and Development – Course Overview 2011 (preliminary)

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| Grading: Criteria | <ul style="list-style-type: none"> In-class participation Written Exam (1 ½ hours) at the end Participation in the Simulation „Position Papers“ for the Simulation | <ul style="list-style-type: none"> Participation (including on trip to Berlin) | <ul style="list-style-type: none"> Papers and presentation | <ul style="list-style-type: none"> Participation Exam |
| Contact hrs, grade % | 30 hours 60% | 30 hours | 20 hours 20% | 20 hours 20% |
| Learning outcome / objectives | <ul style="list-style-type: none"> This new interdisciplinary program will give American undergraduates from various academic backgrounds an introduction to the field of renewable energies as a response to today's climate and energy problems. 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 interdisciplinary 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 from the field of renewable energy policy and research. Students will be enrolled in a class on German language and culture to afford them with a better understanding of their host country and its background. | | | |
| Readings (required) | <ul style="list-style-type: none"> Thomas L. Friedman, Hot, Flat, and Crowded. Why We Need A Green Revolution – And How We Can Renew America (2008) (excerpts!) EREC/Greenpeace, Energy Revolution. A Sustainable World Energy Outlook (2010) (excerpts!) http://www.whitehouse.gov/issues/energy-and-environment http://www.bundesregierung.de/nn_6516/Content/EN/StatischeSeiten/Schwerpunkte/Energie-der-Zukunft/integrierte-klima-und-energiepolitik.html | | | |

Contact:

Tobias Hecht
International Office
University of Bonn

Poppelsdorfer Allee 102
53115 Bonn, Germany

Tel: +49-228-73 2062
hecht@uni-bonn.de
www.renewableenergy.uni-bonn.de