

Sustainable Economics

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Course framework

- ▶ Target group: Bachelor, HA, 5th semester
- ▶ 5 ECTS
- ▶ Lectures: 2 hours/week
- ▶ No additional tutorials, exercises and group work will be included in the lectures
- ▶ Exam: 3 hours WOAI-exam (on-site written exam, internet use allowed)
- ▶ Requirements: No specific elective courses required

Topics

- ▶ Non-renewable resources
 - ▶ Are there limits to growth because some resources are in finite supply?
 - ▶ Should governments manage non-renewable resource use?
- ▶ The environmental Kuznets curve
 - ▶ Is there a relation between pollution and income along the development path?

Topics

- ▶ Global Warming
 - ▶ What are the economic implications of global warming?
 - ▶ How much should we invest in mitigating global warming?
 - ▶ When should we invest (now or in 50 years)?
- ▶ Intergenerational welfare accounting
 - ▶ What are the implications of global warming for different generations?
 - ▶ How should we weight the needs and welfare of different generations?
- ▶ Global Warming and the supply side
 - ▶ Are there other measures necessary besides reducing demand for carbon dioxide?
 - ▶ What are the implications of international demand side policies vs. supply side policies?

Topics

- ▶ Demographic development and strategies
 - ▶ How will the world population develop?
 - ▶ How sustainable is population growth, can the planet cope with it?
- ▶ Climate change and pollution control
 - ▶ What policies can limit climate change?
 - ▶ How can pollution be mitigated?
- ▶ Impacts of climate change on health and productivity
 - ▶ How does climate change affect humans?
 - ▶ Is productivity at risk and what can we learn from observed changes in weather?
- ▶ Environmental issues in developing countries: deforestation, sanitation, pollution
 - ▶ What environmental issues are particularly salient in developing countries?