

Prof. Dr. Sascha Wolf

Office hours: Thursday, 15.30 – 17.00, W4.1.04

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Sustainable Development (ESR3105)

Syllabus

Summer Semester 2020

Weekly hours:	4 (45 minutes)
ECTS-Credits:	5
Workload:	150 hours, 50 hours within class and 100 hours for self-study
Time:	Thursday, 9.45 - 11.15, W3.2.02 Thursday, 11.30 - 13.00, W3.2.02
Level:	Advanced
Exam:	Presentations, written test (60 minutes)

Basic Literature:	Perkins, Dwight, Radelet, Steven, Lindauer, David, Block Steven, Economics of Development, 7 th ed. 2013, W.W.Norton & Company. Perman, Roger, Ma, Yue, Common, Michael, Maddison, D., McGilvray, James, Natural Resource and Environmental Economics, Addison Wesley, 4 th ed. 2011. Tietenberg, Tom, Lewis, Lynn, Environmental & Natural Resource Economics, Routledge, 10 th ed. 2015. Todaro, Michael, Smith, Stephen, Economic Development, Pearson, 12 th ed. 2015.
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Topics

- Sustainability and status quo
- Poverty and economic growth
- Trade and globalization
- Social security and demography
- Pollution and externalities
- Climate and public goods
- Resources and efficiency
- Nature and valuation
- Costs and benefits

Learning objectives

By the end of the course, the students shall...

- ...understand the basic concept of sustainability and sustainable development (SD).
- ...understand the environmental, social and economic dimensions of SD.
- ...understand the role of economic growth and globalization.
- ...understand the economic aspects of resource scarcity and renewable resources.
- ...understand the challenge resulting from demographic change for social security systems.

General introduction:

According to the Brundtland definition "Sustainable Development" (SD) is defined as development that meets the needs of the present without compromising the ability of future generations to meet their own needs. Consequently, SD is a multi-dimensional concept including the well-being of the society, the economy and the environment. Moreover, sustainability is not only a problem of developing countries, but also developed countries. The focus is different: Concerning developing countries the crucial question is how to improve the life of the poor without overburdening the ecosystems. With regard of rich countries, it is essential to find answers to the ongoing demographic ageing. Finally, all countries depend on the availability of natural resources. The lecture provides a basic understanding of these challenges, introduces strategies and instruments for sustainable development.

Teaching and Learning Approach:

The course is organized as a lecture with seminaristic elements. Throughout the course special emphasis is met on discussion, in-class teamwork, student presentations and interaction.

Grading:

The grading will be based upon
- in-class presentations and a
- 60 minutes written exam.

Course Contributions to Program Goals / Learning Outcomes

	Learning Objective / Outcome	Contributions to learning objectives	Assessment
	Expert knowledge Students show that they have sound basic knowledge ...		
1.1	... in Business Administration.	Economic instruments for efficient extraction paths.	Discussions within class, cases, presentation, written exam.
1.2	... in Economics.	Sustainable development, economic growth and development, social sustainability, ecological sustainability. Special emphasis on demographic ageing and depletable resources.	
1.3	... in Business Law.	X	
1.4	... in Quantitative Methods.	X	
	Use of information technology		
2.1	Students demonstrate proficiency in using computer programs to solve business problems.	X	
2.2	Students are able to use information systems effectively in real world business settings.		
3.	Critical thinking and analytical competence Students are able to apply analytical and critical thinking skills to complex problems.	Analysis and discussion of challenges and conflicts of strategies for sustainable development.	Discussions within class, cases, presentation, written exam.
4.	Ethical awareness Students are able to develop business ethics strategies and apply them to typical business decision-making problems.	Ethical and economic dimensions of sustainable development; capacity to develop strategies to solve conflicts and ethical dilemmas. Application of acquired knowledge to ethical questions in the context of sustainable globalization (e.g. poverty, human rights, environmental problems).	Discussion within class
	Communication skills		
5.1	Students are able to express complex problems effectively in writing	Presentation	Presentation
5.2	Students demonstrate their oral communication skills in presentations and papers.		
6.	Capacity for teamwork Students show that they are able to work successfully in a team by performing practical tasks.	In-class teamwork	Presentation