Course title: Sustainable Development and Macroeconomics

Lecturer: Dina Barbian, University of Erlangen-Nuremberg

Information about the lecturer
See http://wi1.uni-erlangen.de/team-network/team/dinabarbian
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Time schedule and course outline
The lecture takes 3 hours per day with a 15-minutes-break. Time of teaching is from 9.00 to 10.30 and from 10.45 to 12.15.

The references for the lecture consist of Lecture Notes, which are forthcoming some weeks before the course starts, and the textbook “Common, Michael, and Stagl, Sigrid, Ecological Economics – An Introduction, Cambridge 2005”. Both references are mandatory.

<table>
<thead>
<tr>
<th>Date</th>
<th>Subject</th>
<th>References</th>
<th>Assignments</th>
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<tbody>
<tr>
<td>Week 1</td>
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<tr>
<td>Monday</td>
<td>No lesson</td>
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<tr>
<td>Tuesday: 9-12.15</td>
<td>Welcome Introduction</td>
<td>Lecture Notes</td>
<td>Oral presentation of papers (only few students)</td>
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<td></td>
<td>Sustainable Development – Definition and History</td>
<td>Textbook</td>
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<td>Sustainable Development and Economic Growth</td>
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<tr>
<td>Wednesday: 9-12.15</td>
<td>Searching for a new way of growth Principles and Concepts of Sustainability Dimensions for Sustainable Development (Social, Economic and Ecological)</td>
<td>Lecture Notes Textbook</td>
<td>Oral presentation of papers (only few students)</td>
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<tr>
<td>Thursday: 9-12.15</td>
<td>Need of Sustainability? Main Problems: Poverty and Pollution Consequences for World Countries</td>
<td>Lecture Notes Textbook</td>
<td>Oral presentation of papers (only few students)</td>
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<td>Friday: 9-12.15</td>
<td>How to achieve Sustainability? A simple model of the Earth The ecological system and the circular flow model</td>
<td>Lecture Notes Textbook</td>
<td>Oral presentation of papers (only few students)</td>
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<td>Week 2</td>
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<tr>
<td>Monday: 9-12.15</td>
<td>Our World and our Limits</td>
<td>Lecture Notes</td>
<td>Oral</td>
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<tr>
<th>Day</th>
<th>Topic</th>
<th>Resource</th>
<th>Presentation</th>
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<tr>
<td>Tuesday: 9-12.15</td>
<td>Resources and waste Renewables and Non-Renewables Sources and Sinks Food and Energy Use</td>
<td>Lecture Notes Textbook</td>
<td>Oral presentation of papers (only few students)</td>
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<tr>
<td>Wednesday: 9-12.15</td>
<td>Main influences (Population, Satisfaction of Needs) The way to more Sustainability What does a sustainable world look like?</td>
<td>Lecture Notes Textbook</td>
<td>Oral presentation of papers (only few students)</td>
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<tr>
<td>Thursday: 9-12.15</td>
<td>Guest Lecture (Siemens or Arla Foods)</td>
<td>Lecture Notes Textbook</td>
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<tr>
<td>Friday: 9-12.15</td>
<td>Summary and Conclusions Good-bye</td>
<td>Lecture Notes Textbook</td>
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**Week 3 Exam Preparation**

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**List of articles**

For the individual coursework students should choose one article of the following papers listed below. Their coursework consists of one oral presentation in front of the class (maximum 20 minutes) and a short (maximum 2 pages, Arial 11pt) written summary they should deliver the same day of their oral presentation.


List of optional literature
(only for intensive study)


Daly, H.E. (1997), Beyond Growth: The Economics of Sustainable Development.


Georgescu-Roegen, N. (1999), The entropy law and the economic process.

Mankiw, N.G. (2009), Macroeconomics.


Weiss, E.B. (1989), In fairness to future generations.