

Adaptation Strategies to Climate Change



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Thematic structure:

Adapting to the consequences of climate change, such as extreme weather conditions and changing rainfall distribution, is one of the major challenges facing science and technology. Climate projections indicate the challenges we will have to confront.

This course is intended to provide an overview of adaptation requirements, especially in areas which are of particular importance for business and society and which at the same time will be affected in specific ways by climate change. In particular, the commercial sectors of tourism and health, transport and energy technologies, not to mention agriculture, forestry and water management, are of major significance.

The problem posed by climate change will be examined with reference to the region of North Hesse in order to develop and implement possible strategies of adaptation.



Tentative titles of the lectures:

- ✦ Urban and regional climate, climate projection
- ✦ Agriculture, forestry and water management
- ✦ Energy provision in businesses, room-temperature comfort, sorption storage plants
- ✦ Public transport, vocational, educational and commuter traffic
- ✦ Tourism/health hazards
- ✦ Legal questions, regional governance

Method:

The course will be taught as a mixture of lectures, seminar discussions and take-home reading. Background information will be made available in print or can be downloaded from the internet.

Assessment:

Participants are expected to attend class regularly, and to actively engage in discussions. There will be a written exam at the end of the seminar.

Lecturer:

Professors and teaching staff of the University of Kassel.