

# Environmental Engineering & Integrative Environmental Studies

---

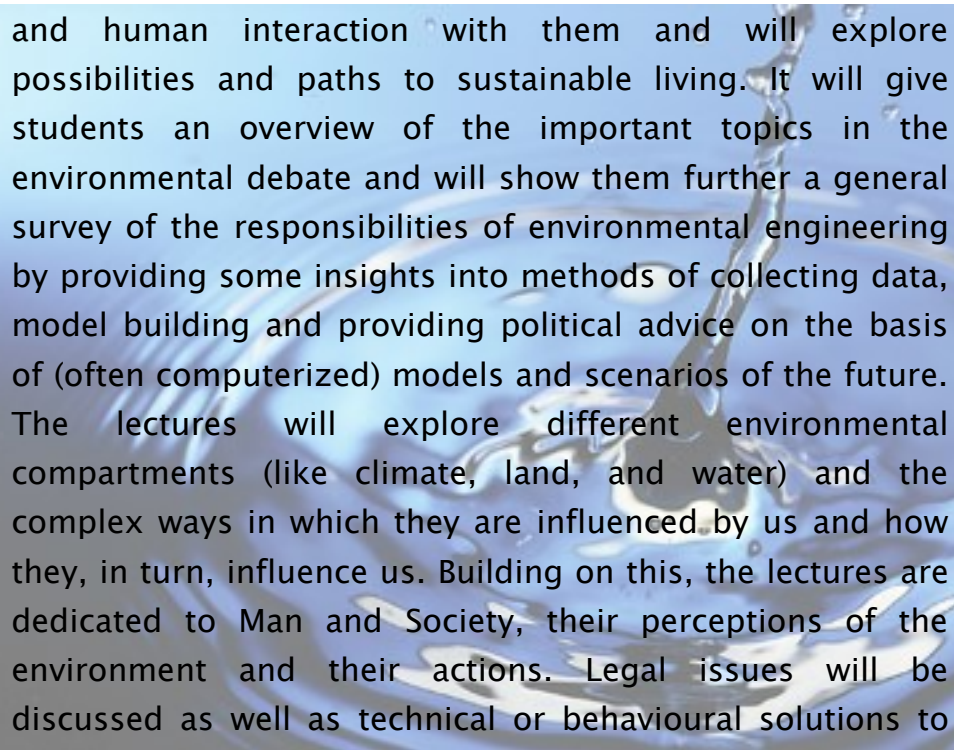


University of Kassel  
**International Summer University**  
🏠 Moenchebergstr. 7  
34109 Kassel  
Germany  
☎ +49 (0) 561 / 804-1869  
📠 +49 (0) 561 / 804-7168  
✉ [isu@uni-kassel.de](mailto:isu@uni-kassel.de)

---

---

## Thematic structure:



This course is an introduction to environmental systems and human interaction with them and will explore possibilities and paths to sustainable living. It will give students an overview of the important topics in the environmental debate and will show them further a general survey of the responsibilities of environmental engineering by providing some insights into methods of collecting data, model building and providing political advice on the basis of (often computerized) models and scenarios of the future. The lectures will explore different environmental compartments (like climate, land, and water) and the complex ways in which they are influenced by us and how they, in turn, influence us. Building on this, the lectures are dedicated to Man and Society, their perceptions of the environment and their actions. Legal issues will be discussed as well as technical or behavioural solutions to environmental problems.



## Tentative titles of the lectures:

- ✦ Environmental systems and environmental scenarios
- ✦ Land use and land use changes
- ✦ River basin management
- ✦ Water supply and wastewater management
- ✦ Sustainable water management
- ✦ Interlinkages between climate and agriculture
- ✦ Environmental justice and vulnerability to environmental changes
- ✦ Sustainable living

## 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.