wcm190 - Selected Topics in Environmental Sciences

Module label: Selected Topics in Environmental Sciences
Module code: wcm190
Credit points: 6.0 KP
Workload: 180 h
Used in course of study: Master's Programme Water and Coastal Management > Science
Contact person: Bernd Siebenhüner, Thomas Klenke

Module responsibility:
- Bernd Siebenhüner
- Thomas Klenke

Authorized examiners:
- Holger Freund
- Thomas Klenke
- Joachim Peinke
- Luise Dorothee Giani
- Rainer Buchwald
- Gudrun Massmann

Module counseling:
- Holger Freund
- Joachim Peinke
- Luise Dorothee Giani
- Rainer Buchwald
- Gudrun Massmann

Entry requirements: None
Skills to be acquired in this module:
In-depth knowledge about processes and systems relevant for sustainable management using knowledge and methodologies from all science disciplines in an integrated way.
Familiarity with approaches to problem-driven, transdisciplinary research and management.
Ability to present and evaluate different concepts of environmental science for sustainable management.
Skills in elaborating on complex tasks of environmental management using an interdisciplinary science based approach and to present related findings to non-expert audiences.

Module contents:
Problem-driven learning about environmental science in different scientific contexts of water management and regional development.
Studies to understanding the complexity of sustainability and science in management. Use of relevant methods in the field or lab.
Discussing topics of environmental sciences with researchers, students and practitioners from different scientific disciplines or sectors.

Reader's advisory:
A 'foundation material pool' will be made available online for students and lecturers providing paper books, reports and media covering the topics of the lecture and the cases.

Links:
Language of instruction: English
Duration (semesters): 1 Semester
Module frequency: halbjährlich
Module capacity: unlimited
Reference text:
Lecture room presentations and discussions based on slides and black/white board usage. Short films will be presented. Practical work.

Modullevel: Abschlussmodul (Abschlussmodul)
Modulart: Ergänzung/Professionalisierung
Lern-/Lehrform / Type of program:
Lecture and seminar
Varying lecture (2 contact hours/week) and connected seminar or practical course (2 contact hours/week)

Vorkenntnisse / Previous knowledge:

Examination: Time of examination: Type of examination:
Final exam of module: Seminar
Course type: Seminar
SWS
Frequency:
Workload attendance: 0 h