wcm350 - Bioenergy

Module label: Bioenergy
Module code: wcm350
Credit points: 6.0 KP
Workload: 180 h

Used in course of study:
- Master's Programme Water and Coastal Management > Science

Skills to be acquired in this module:
The module is intended to enable students to deal with different forms of bioenergy and their current perspectives. In doing so, they gain competences in the basic natural sciences of physics, chemistry and biology as well as in terms of energetic, technical, ecological and economic aspects, which must be taken into account for the synoptic evaluation of different forms of bioenergy.

Module contents:
The module gives an insight into the historical origin and development, the scientific, procedural, energetic, ecological (including nature conservation) and economic fundamentals of bioenergy. Special attention is given to the perspectives of different forms of bioenergy, thus equally to their possibilities and limitations.

a) Lecture "Perspectives of Bioenergy" (compulsory part)
b) Seminar "Forms and Examples of Bioenergy" (optional to c)
c) Exercise "Practical Bioenergy" (optional to b)

Reader's advisory:

Language of instruction: English
Duration (semesters): 1 Semester
Module frequency: halbjährlich
Module capacity: unlimited
Module level: ---
Module type: je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program:

Vorkenntnisse / Previous knowledge:

Examination:
Final exam of module:
Time of examination:
Type of examination:

Course type: Lecture
SWS: 2.00
Frequency: ---
Workload attendance: 28 h