## wcm350 - Bioenergy

<table>
<thead>
<tr>
<th><strong>Module label</strong></th>
<th>Bioenergy</th>
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<tr>
<td><strong>Module code</strong></td>
<td>wcm350</td>
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<tr>
<td><strong>Credit points</strong></td>
<td>6.0 KP</td>
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<tr>
<td><strong>Workload</strong></td>
<td>180 h</td>
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<tr>
<td><strong>Used in course of study</strong></td>
<td>Master's Programme Water and Coastal Management &gt; Science</td>
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**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**

**Links**

**Language of instruction** English

**Duration (semesters)** 1 Semester

**Module frequency** halbjährlich

**Module capacity** unlimited

**Moduleart** je nach Studiengang Pflicht oder Wahlpflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination** Time of examination Type of examination

<table>
<thead>
<tr>
<th>Final exam of module</th>
<th>PS</th>
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**Course type** Lecture

**SWS** 2.00

**Frequency**

**Workload attendance** 28 h