# Lök240 - Functional ecology of communities in heterogeneous landscapes

<table>
<thead>
<tr>
<th>Module label</th>
<th>Functional ecology of communities in heterogeneous landscapes</th>
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<tbody>
<tr>
<td>Module code</td>
<td>lök240</td>
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<tr>
<td>Credit points</td>
<td>15.0 KP</td>
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<tr>
<td>Workload</td>
<td>450 h</td>
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<tr>
<td>Used in course of study</td>
<td>Master's Programme Landscape Ecology &gt; Vertiefungsmodule zweites Fachsemester</td>
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<tr>
<td>Contact person</td>
<td>Michael Kleyer</td>
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**Skills to be acquired in this module**

- Technical skills in ecological field experiments, determination of plants in the field, phytosociological records, soil inventories, biomass determination and determination of biological characteristics
- Technical skills in laboratory work, statistics
- Skills in mapping plants and animals, application of GIS, spatial statistics
- Advanced knowledge of spatial ecology and the conditions of survival in heterogeneous landscapes as well as knowledge of functional ecology; assessment of academic voids between theory and empiricism
- Skills in independently dealing with ecological literature and information, respectively

**Module contents**

- Practical training in the field and in the laboratory, practical training in statistics
- Functional ecology of communities in spatio-temporally heterogeneous landscapes: Literature analyses
- Functional plant ecology: Biological characteristics related to disturbances and soil resources (laboratory analyses, statistical analysis)

**Reader's advisory**

Literature will be announced during the preparatory course and is contingent on the latest developments in the research field.

**Links**

https://www.uni-oldenburg.de/en/landeco/

**Language of instruction**

English

**Duration (semesters)**

1 Semester

**Module frequency**

jährlich

**Module capacity**

unlimited

**Module level**

MM (Mastermodul)

**Module type**

Wahlpflicht

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

S/U

**Vorkenntnisse / Previous knowledge**


<table>
<thead>
<tr>
<th>Course type</th>
<th>Comment</th>
<th>SWS</th>
<th>Frequency</th>
<th>Workload attendance</th>
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<tbody>
<tr>
<td>Exercises</td>
<td></td>
<td>8.00</td>
<td></td>
<td>112 h</td>
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<tr>
<td>Seminar</td>
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<td>2.00</td>
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<td>28 h</td>
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<td>Total time of attendance for the module</td>
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**Examination**

- Time of examination
  - a) Seminar paper (weighting 20 %)
  - b) Specialized practical exercise (weighting 80 %)

**Course type**

- Exercises
- Seminar

**Comment**

- SWS
- Frequency
- Workload attendance