### Module description

**Module title**  | **Abbreviation**  
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Microbial and Chemical Ecology (Practical Course and Seminar 1) | 07-MS3MCÖF1-102-m01

<table>
<thead>
<tr>
<th><strong>Module coordinator</strong></th>
<th><strong>Module offered by</strong></th>
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<tbody>
<tr>
<td>holder of the Chair of Pharmaceutical Biology</td>
<td>Faculty of Biology</td>
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<tr>
<th><strong>ECTS</strong></th>
<th><strong>Method of grading</strong></th>
<th><strong>Duration</strong></th>
<th><strong>Module level</strong></th>
<th><strong>Other prerequisites</strong></th>
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<tbody>
<tr>
<td>10</td>
<td>numerical grade</td>
<td>1 semester</td>
<td>graduate</td>
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### Contents

Under guidance, students will investigate a current topic in microbial and chemical ecology, e.g. mutualistic, commensal or pathogenic interactions between animal and plant hosts and microorganisms. Students will become familiar with a variety of methods within the fields of molecular ecology, microbial ecology and analytical chemistry as well as literature search techniques. They will document and discuss the results of their work in a presentation, publication or term paper.

### Intended learning outcomes

Students have gained knowledge on experimental setups and methods used in the field of chemical ecology. They are able to design scientific research, to collect data and to interpret them statistically, adhering to the principles of good scientific practice.

### Courses

S + P (no information on SWS (weekly contact hours) and course language available)

### Method of assessment

Students will be informed about the length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (approx. 10 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes)

### Allocation of places

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### Additional information

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### Referred to in LPO I

(examination regulations for teaching-degree programmes)

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### Module appears in

Master's degree (1 major) Biology (2011)  
Master's degree (1 major) Biology (2010)  
Master's degree (1 major) Biology (2014)