## Contents

This module gives students the opportunity to apply in practice the knowledge they have gained through the related lecture(s). After a safety briefing, the students autonomously conduct experiments in the laboratory. In addition to those experiments, students will be expected to take oral tests and write lab reports to demonstrate their knowledge. The course focuses on the safe handling of hazardous substances, simple experimental unit operations of organic chemistry, simple to multi-level syntheses and the analysis of the products.

## Intended learning outcomes

Students know how to safely handle hazardous substances. They are able to conduct simple experimental operations of organic chemistry. They are able to analyse the yield and purity of the products and identify possible error sources. They are able to connect the theoretical aspects covered in the lecture with practical experiments in the laboratory.

## Courses

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Duration</th>
<th>Weekly Contact Hours</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>1 semester</td>
<td>1</td>
<td>German</td>
</tr>
</tbody>
</table>

## Method of assessment

- Vortestate (pre-experiment exams, approx. 15 minutes each)
- Assessment of practical performance (log approx. 5 to 10 pages)
- Nachtestate (post-experiment exams, approx. 15 minutes each)

Assessment offered: once a year, summer semester

## Module appears in

- Bachelor’ degree (1 major) Biochemistry (2011)
- Bachelor’ degree (1 major) Biochemistry (2013)