### Module title

**Practical spectroscopy 1 (teaching degree for secondary schools)**

| Abbreviation | 08-OC-Spec-LAGY-092-m01 |

#### Module coordinator

Lecturer of lecture "Organische Chemie 2"

#### Module offered by

Institute of Organic Chemistry

#### ECTS

<table>
<thead>
<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 numerical grade</td>
<td>undergraduate</td>
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</tbody>
</table>

#### Contents

This module introduces students to the spectroscopic methods of infrared spectroscopy, mass spectrometry and NMR spectroscopy.

#### Intended learning outcomes

Students are able to describe important spectroscopic methods, to evaluate a spectrum and to draw conclusions regarding the molecular structure.

#### Courses

<table>
<thead>
<tr>
<th>type, number of weekly contact hours, language — if other than German</th>
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<tbody>
<tr>
<td>V (no information on SWS (weekly contact hours) and course language available)</td>
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</tbody>
</table>

#### Method of assessment

a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)

Language of assessment: German or English

#### Allocation of places

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#### Additional information

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#### Referred to in LPO I (examination regulations for teaching-degree programmes)

§ 62 (1) 2. Chemie "Organische und Bioorganische Chemie"

#### Module appears in

- First state examination for the teaching degree Grundschule Chemistry (2009)
- First state examination for the teaching degree Hauptschule Chemistry (2009)
- First state examination for the teaching degree Realschule Chemistry (2009)
- First state examination for the teaching degree Gymnasium Chemistry (2009)
- First state examination for the teaching degree Mittelschule Chemistry (2013)