## Module title

Methods in Life Sciences  

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<tr>
<th>Abbreviation</th>
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<td>07-MLS1-152-m01</td>
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## Module coordinator

degree programme coordinator Biologie (Biology)

## Module offered by

Faculty of Biology

## ECTS

<table>
<thead>
<tr>
<th>Method of grading</th>
<th>Other prerequisites</th>
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<tbody>
<tr>
<td>10 numerical grade</td>
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## Duration

<table>
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<tr>
<th>Module level</th>
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<tr>
<td>graduate</td>
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## Contents

Versioned molecular techniques, lipid research methods, microscopic methods, immunohistochemistry, mouse models and gene-knockout approaches, protein and molecular biology techniques, PCR, advanced protein biochemistry, methods in bioinformatics and computational biology.

## Intended learning outcomes

Students are able to review and expand their knowledge of standard molecular techniques and are able to choose methods and techniques to design experiments in a specific research area.

## Courses

(type, number of weekly contact hours, language — if other than German)

<table>
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<tr>
<th>Module taught in: English</th>
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## Method of assessment

(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

Students will be informed about the method, 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) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes)

Language of assessment: 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)

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## Module appears in

Master's degree (1 major) Biochemistry (2015)  
Master's degree (1 major) Biology (2015)  
Master's degree (1 major) FOKUS Life Sciences (2015)  
Master's degree (1 major) Biosciences (2016)  
Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)  
Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)  
Master's degree (1 major) Biosciences (2017)  
Master's degree (1 major) Biochemistry (2017)  
Master's degree (1 major) Biosciences (2018)  
Master's degree (1 major) Biochemistry (2019)  
Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)  
Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)  
Master's degree (1 major) Biosciences (2021)