## Module title

**Methods in Life Sciences**

### Abbreviation

07-MLS1B-141-m01

## Module coordinator

degree programme coordinator Biologie (Biology)

## Module offered by

Faculty of Biology

## ECTS

7

## Method of grading

(­not) successfully completed

## Duration

1 semester

## Module level

graduate

## Other prerequisites

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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

This module has 2 components; information on courses listed separately for each component.

- **07-MLS1B-1-141**: (no information on language and number of weekly contact hours available)
- **04-MLS1B-1-141**: (no information on language and number of weekly contact hours available)

## Method of assessment

This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components.

**Assessment component to module component 07-MLS1B-1-141**: Methoden in den Lebenswissenschaften

- 7 ECTS credits, method of grading: (­not) successfully completed
- a) written examination (30-60 minutes, including multiple choice questions) or b) log (ca.10-30 pages) or c) oral examination of on candidate each (30-60 minutes) or d) oral examination in groups up to three candidates (approx. 30-60 minutes) or e) presentation (20-45 minutes). Students will be informed about the method, length and scope of the assessment prior to the course.
- Language of assessment: English

**Assessment component to module component 04-MLS1B-1-141**: Methoden in den Lebenswissenschaften

- 7 ECTS credits, method of grading: (­not) successfully completed
- written examination or oral examination of an candidate each or in groups up to three candidates.
- 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) Biology (2011)
Master’s degree (1 major) Biology (2014)