### Module title
Methods in Life Sciences

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