### Module title

**Bioinformatics B**

| Abbreviation | 07-MBI-B-121-m01 |

### Module coordinator

holder of the Chair of Bioinformatics

### Module offered by

Faculty of Biology

### ECTS | Method of grading | Only after succ. compl. of module(s)
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5 | (not) successfully completed | --

### Duration | Module level | Other prerequisites
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1 semester | graduate | --

### Contents

Advances and current results of bioinformatics are explained and discussed, this includes results from genome and sequence analysis, protein domains and protein families, large-scale data analysis (e.g. net generation sequences, proteomics data), analysis of different functional RNAs (e.g. miRNAs, lncRNAs).

### Intended learning outcomes

Understand recent results in bioinformatics. Discuss their implications. Have an advanced (Master) level knowledge of typical technologies and research questions in bioinformatics.

### Courses

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

V (no information on SWS (weekly contact hours) and course language available)

### 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. 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)

### 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)
- Master's degree (1 major) Mathematics (2012)
- Master's degree (1 major) Biomedicine (2013)
- Master's degree (1 major) Biomedicine (2012)
- Master's degree (1 major) Computational Mathematics (2012)