### Module Description

#### Module title
Bioinformatics

#### Abbreviation
07-3A3BI-072-m01

#### Module coordinator
holder of the Chair of Bioinformatics

#### Module offered by
Faculty of Biology

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>numerical grade</td>
<td>1 semester</td>
<td>undergraduate</td>
<td>--</td>
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#### Contents
Fundamental principles of bioinformatics.

#### Intended learning outcomes
Students are proficient in methods for the analysis of DNA and protein databases.

#### Courses
This module comprises 2 module components. Information on courses will be listed separately for each module component.

- 07-3A3BI-1B-072: V (no information on SWS (weekly contact hours) and course language available)
- 07-3A3BI-2B-072: S (no information on SWS (weekly contact hours) and course language available)

#### Method of assessment
Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

**Assessment in module component 07-3A3BI-1B-072: Bioinformatics (Lecture)**
- 1 ECTS, Method of grading: numerical grade
- written examination (approx. 20 minutes)

**Assessment in module component 07-3A3BI-2B-072: Bioinformatics (Seminar)**
- 1 ECTS, Method of grading: (not) successfully completed
- term paper (approx. 5 to 10 pages)

#### Allocation of places
Only as part of Biochemistry Master's: 5 places. Places will be allocated by lot.

#### Additional information

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

#### Module appears in
- Bachelor’ degree (1 major) Biochemistry (2011)
- Bachelor’ degree (1 major) Biochemistry (2009)
- Bachelor’ degree (1 major) Biology (2007)
- Bachelor’ degree (1 major) Mathematics (2008)
- Bachelor’ degree (1 major) Mathematics (2007)
- Bachelor’ degree (1 major) Computational Mathematics (2009)
- Master's degree (1 major) Biochemistry (2012)
- Bachelor's degree (1 major, 1 minor) Biology (Minor, 2008)