## Module title
Systems Biology B

## Abbreviation
07-MS-B-121-m01

### Module coordinator
holder of the Chair of Bioinformatics

### Module offered by
Faculty of Biology

### ECTS
5

### Method of grading
Only after succ. compl. of module(s)

<table>
<thead>
<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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</thead>
<tbody>
<tr>
<td>1 semester</td>
<td>graduate</td>
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</tbody>
</table>

## Contents
Advances and current results of computational systems biology are explained and discussed, this includes results from functional genomics, dynamics of the transcriptome, of metabolism and metabolic networks as well as regulatory networks.

## Intended learning outcomes
Understand recent results in systems biology. Discuss their implications. Have an advanced (Master) level knowledge of typical technologies and research questions of systems biology.

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

## Method of assessment
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
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## Module appears in
<table>
<thead>
<tr>
<th>Master's degree (1 major) Biology (2011)</th>
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</thead>
<tbody>
<tr>
<td>Master's degree (1 major) Biology (2014)</td>
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<tr>
<td>Master's degree (1 major) Mathematics (2012)</td>
</tr>
<tr>
<td>Master's degree (1 major) Biomedicine (2013)</td>
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<tr>
<td>Master's degree (1 major) Biomedicine (2012)</td>
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<tr>
<td>Master's degree (1 major) Computational Mathematics (2012)</td>
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