# Module description

<table>
<thead>
<tr>
<th><strong>Module title</strong></th>
<th><strong>Abbreviation</strong></th>
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<tbody>
<tr>
<td>Bacterial genetics - Infectiology</td>
<td>03-98-PBG-092-m01</td>
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<thead>
<tr>
<th><strong>Module coordinator</strong></th>
<th><strong>Module offered by</strong></th>
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<tr>
<td>Institute of Molecular Infection Biology</td>
<td>Faculty of Medicine</td>
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<tr>
<th><strong>ECTS</strong></th>
<th><strong>Method of grading</strong></th>
<th><strong>Other prerequisites</strong></th>
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<tr>
<td>5</td>
<td>numerical grade</td>
<td>Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.</td>
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## Duration

1 semester

## Module level

undergraduate

## Contents

Foundations and analytical approaches of bacterial genetics are taught based on selected questions from molecular microbiology. Genetic processes are analysed with the help of examples of gene transfer. Molecular genetic and functional biochemical pathways are presented using examples from microbiology.

## Intended learning outcomes

Students have developed the ability to approach, analyse and interpret general problems in bacterial genetics based on individually assigned tasks, using techniques of modern molecular biology, microbiology and genetics. They also have developed skills in experimental design, bench work, data analysis and the presentation of scientific results both orally and in writing.

## Courses

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

## Method of assessment

methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)

## Allocation of places

Biochemistry Bachelor’s: no restrictions. Biochemistry Master’s: 4 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) Biomedicine (2009)
Bachelor’ degree (1 major) Biomedicine (2013)
Master’s degree (1 major) Biochemistry (2012)