**Module title**  
Human Genetics  

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>03-4S1HG-092-m01</th>
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**Module coordinator**  
holder of the Chair of of Human Genetics

**Module offered by**  
Faculty of Medicine

<table>
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<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
</tr>
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<tbody>
<tr>
<td>5</td>
<td>numerical grade</td>
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<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
<td>By way of exception, additional prerequisites are listed in the section on assessments.</td>
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**Contents**

Fundamentals of and analytical methods in human and vertebrate cytogenetics. Characterisation of the normal human karyotype and chromosome aberrations. Introduction to chromosome evolution.

**Intended learning outcomes**

Students who complete this module will acquire the theoretical basis of and practical experience in human cytogenetics. They will learn how to prepare and identify human chromosomes and critically interpret cytogenetic findings.

**Courses**

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

- 03-4S1HG-1HZ-092: V + Ü (no information on SWS (weekly contact hours) and course language available)
- 03-4S1HG-2HZ-092: 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 03-4S1HG-1HZ-092: Human Genetics (Lecture and Laboratory Practice)**

- 3 ECTS, Method of grading: numerical grade
- 2 written examinations (multiple choice): mid-semester examination (15 minutes), end-of-semester examination (20 minutes)
- Other prerequisites: A basic knowledge of genetics is recommended.

**Assessment in module component 03-4S1HG-2HZ-092: Human Genetics (Seminar)**

- 2 ECTS, Method of grading: (not) successfully completed
- presentation (approx. 20 to 30 minutes)
- Other prerequisites: A basic knowledge of genetics is recommended.

**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**

- Bachelor’ degree (1 major) Biology (2007)
- Bachelor’ degree (1 major) Mathematics (2007)
- Bachelor’s degree (1 major, 1 minor) Biology (Minor, 2008)