**Module title**  
Biochemistry, Physiology and Genetics of Mammalian Cell Culture  

**Abbreviation**  
07-MSCC-152-m01

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**Module coordinator**  
degree programme coordinator Biologie (Biology)

**Module offered by**  
Faculty of Biology

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<td>5</td>
<td>(not) successfully completed</td>
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**Duration**  
1 semester  

**Module level**  
graduate  

**Other prerequisites**  
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**Contents**  
Introduction to cell culture, cell culture lab equipment, cellular biochemistry and cell structures, cell proliferation, generation of in vitro cell models and their applications, cell culture formats, fundamental cell analytical technologies.

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**Intended learning outcomes**  
Students are able to understand the biochemistry, physiology and genetics of mammalian cell culture, and are able to use these techniques.

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

**S** (3)  
Module taught in: English

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**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. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes)  
Language of assessment: German and/or English

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**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 (2015)  
Master's degree (1 major) FOKUS Life Sciences (2015)  
Master's degree (1 major) Biosciences (2016)  
Master's degree (1 major) Biosciences (2017)  
Master's degree (1 major) Biosciences (2018)  
Master's degree (1 major) Biosciences (2021)