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| <b>Module title</b>  |                              | <b>Abbreviation</b>                         |
| <b>Molecular Biology F2</b>  |                              | 07-MSF2-152-m01                             |
| <b>Module coordinator</b>  |                              | <b>Module offered by</b>                    |
| degree programme coordinator Biologie (Biology)  |                              | Faculty of Biology                          |
| <b>ECTS</b>  | <b>Method of grading</b>     | <b>Only after succ. compl. of module(s)</b> |
| 15   | (not) successfully completed | --  |
| <b>Duration</b>  | <b>Module level</b>          | <b>Other prerequisites</b>                  |
| 1 semester   | graduate                     | --  |
| <b>Contents</b>  |                              |   |
| Current problems in the field of molecular biology are addressed by critically reading and presenting original research papers. The participants will be involved in the development of a research plan and will learn to apply advanced techniques to answer a scientific question in molecular biology. This practical course will have a duration of 12 weeks (three months) and will prepare participants for their theses.  |                              |   |
| <b>Intended learning outcomes</b>  |                              |   |
| Students are able to independently work in a laboratory. They are able to answer and discuss questions in the field of molecular biology. Students are able to adhere to the principles of good scientific practice as well as to document, interpret and discuss their results. They are able to apply specific molecular techniques that are required to answer scientific questions.  |                              |   |
| <b>Courses</b> (type, number of weekly contact hours, language — if other than German)   |                              |   |
| P (29) + S (1)<br>Module taught in: German and/or English  |                              |   |
| <b>Method of assessment</b> (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)<br>Language of assessment: German and/or English |                              |   |
| <b>Allocation of places</b>  |                              |   |
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| <b>Additional information</b>  |                              |   |
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| <b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)   |                              |   |
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| <b>Module appears in</b>   |                              |   |
| Master's degree (1 major) Biology (2015)<br>Master's degree (1 major) Biosciences (2016)<br>Master's degree (1 major) Biosciences (2017)<br>Master's degree (1 major) Biosciences (2018)   |                              |   |