

Module title		Abbreviation
Research-oriented working in Biology		07-GY-FOP-152-m01
Module coordinator		Module offered by
Dean of Studies Biologie (Biology)		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
7	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
This module will acquaint students with procedures in biological laboratories. In the research-oriented practical course, students may choose from a range of topics offered by the Faculty of Biology. They will complete a scientific lab course.		
Intended learning outcomes		
Familiarity with fundamental concepts in statistics, e. g. mean value, standard deviation, standard error, creating graphs from raw data, insight into procedures in biological laboratories, deeper familiarity with research methods in a branch of biology, ability to experimentally address scientific problems, ability to design, perform and analyse experiments.		
Courses (type, number of weekly contact hours, language — if other than German)		
Ü (4)		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) or g) term paper (approx. 10 to 30 pages) or h) project (approx. 10 to 30 pages) or i) portfolio. Students will be informed about the method and length of the assessment prior to the course. creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
210 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 61 I Nr. 7		
Module appears in		
First state examination for the teaching degree Gymnasium Biology (2015) Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016) Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)		

Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2025)