

Module title		Abbreviation
Quality Assurance, Good Practice, Biosafety and Biosecurity		07-MGLN-152-m01
Module coordinator		Module offered by
Coordinator BioCareers		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
<p>Political instruments to conserve biodiversity (convention on biodiversity (CBD), German strategy on biodiversity) as well as corporate social responsibility in the private economy, sponsoring and marketing are discussed. These topics are critically analysed with regard to sustainability, credibility and effectiveness. In addition, the students become familiar with strategies to prevent biodiversity loss and actively contribute to these activities. Good practice in the biosciences, quality assurance approaches and quality culture. Structure, idea and fundamental principles of quality management approaches, DIN EN ISO 9001, regulatory documents and framework in the biosciences including biotechnology, biosafety, biosecurity, risk assessment.</p>		
Intended learning outcomes		
<p>The students know relevant international conventions and German regulations on the conservation of biodiversity. They have become familiar with the regulatory and political framework for the conservation of biodiversity. They are aware of corporate responsibilities in this regard and know how to support cooperative approaches among companies and organisations on environmental protection. The students are familiar with the fundamental principles of "good practice" in research and development, and have understood the fundamental principles of quality management circles. They have developed a distinct sensitivity towards biosafety and biosecurity issues and know how to properly handle biological agents and organisms, including GMOs. In addition, they have developed a sensitivity towards the complex interdependencies in nature and are able to critically discuss socio-ethical issues in the bioscience area. Students possess the knowledge and skills required of a biosafety officer and are qualified for working in CSR or environmental management at major enterprises or mediating between environmental organisations, governments and the private sector.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
V (1) + S (1) Module taught in: German and/or English		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>Students will be informed about the method, length and scope of the assessment prior to the course. Usually, the following option will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions)</p> <p>Language of assessment: German and/or English</p>		
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		
<p>Master's degree (1 major) Biology (2015) Master's degree (1 major) Biosciences (2016) Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016) Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)</p>		

Master's degree (1 major) Biosciences (2017)
Master's degree (1 major) Biosciences (2018)
Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)
Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)