

Module title		Abbreviation
Molecular Biology		o8-BC-MOL-111-mo1
Module coordinator		Module offered by
holder of the Chair of Biochemistry		Chair of Biochemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
6	numerical grade	o8-BC (module component o8-BC-1 only)
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Comprising a lecture and an exercise, this module discusses advanced topics in molecular physiology and functional biochemistry. Another lecture discusses the fields of genetic engineering and biosafety.		
Intended learning outcomes		
Students have developed a sound knowledge of molecular biology. They know what infrastructure is needed for each of the four safety levels into which genetic engineering facilities are categorised and are familiar with the usage rules for them. They have developed a knowledge and understanding of the theoretical principles of genetic engineering and are able to describe relevant examples of applications of genetic engineering as well as to discuss the associated safety issues.		
Courses (type, number of weekly contact hours, language – if other than German)		
This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> o3-GTBS-1-092: V (no information on SWS (weekly contact hours) and course language available) o8-BC-MOL-1-111: V + Ü (no information on SWS (weekly contact hours) and course language available) 		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
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 o3-GTBS-1-092: Genetic Engineering and Biosafety <ul style="list-style-type: none"> 1 ECTS, Method of grading: (not) successfully completed written examination (approx. 30 minutes) 		
Assessment in module component o8-BC-MOL-1-111: Molecular Biology Lab Molecular Biology Lab <ul style="list-style-type: none"> 5 ECTS, Method of grading: numerical grade a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English 		
Allocation of places		
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Additional information		
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Workload		
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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) Biochemistry (2011)		

