

**module code /
module title**

Module G – BMB / Master Thesis and Colloquium in Integrative BMB

 date / version of the module
description

06.01.2020

1	INFORMATION ON THE MODULE	
1a	module code	Module G- BMB
1b	module title (German title)	Masterarbeit und Kolloquium im Integrativen BMB
1c	module title (English title)	Master thesis and colloquium in Integrative BMB
1d	credit points	30
1e	responsible for the module	Prof. Dr. Barbara Reinhold-Hurek
1f	type of module	elective module
1g	programs using the module	M.Sc. Biochemistry and Molecular Biology (elective module in BMB Integrative, not available in MicroSys specialization)
1h	organizational unit offering the module	
1i	content-related prior knowledge or skills	Minimum of 90 CP acquired in BMB Master programme
1j	learning contents	Training on scientific objectives and work techniques of the different laboratories, methods relevant to the respective research questions, evaluation of data, error analysis, presentation of scientific data
1k	learning outcomes/ competencies/ targeted competencies	<p>Students have increased knowledge of relevant research background, can design and conduct a research project, can evaluate data critically and present their data professionally.</p> <p>The graduates have a proven level of knowledge and understanding of molecular biosciences and related disciplines, with particular expertise in their specific field of research. They are able to apply their academic knowledge and understanding in a broad and multidisciplinary context and</p>

		acquire new knowledge. They know how to approach and to conduct a largely self-directed complex scientific project (including analytical applications), solve problems and present and defend their data and conclusions to a scientific auditorium.			
11	calculation of student workload <i>(part a: calculation of presence time and working hours)</i>	The total amount of the presence time and working hours of the module has to be calculated additionally in the detailed calculation a) to c). a) detailed calculation: SWS / presence time/working hours in each course of the module			
		<input type="checkbox"/>	lecture(s) with	SWS/ contact hours	hours of presence time
		<input checked="" type="checkbox"/>	1 seminar(s) with	1 SWS/ contact hours	14 hours of presence time
		<input type="checkbox"/>	exercise(s) with	SWS/ contact hours	hours of presence time
		<input type="checkbox"/>	internship(s) with	sum of working hours	
		<input type="checkbox"/>	seminar(s) with	SWS/ contact hours	total hours of presence time
		<input checked="" type="checkbox"/>	laboratory/laboratories with	51 SWS/ contact hours	714 total hours of presence time
		<input type="checkbox"/>	tutorial(s) with	SWS/ contact hours	
		<input type="checkbox"/>	excursion(s) with	SWS contact hours in total	working hours
		<input type="checkbox"/> other form of course (e.g. block seminar), namely this: Klicken Sie hier, um Text einzugeben.			
with	SWS / with totally	contact hours	<input type="checkbox"/> presence time <input type="checkbox"/> working hours		
= sum of presence time and working hours: 728					
	calculation of student workload <i>(part b: preparation time and follow-up work/self-study)</i>	b) working hours for preparation/follow-up work of the course(s) and/or self-study = sum of working hours: 142			

	calculation of student workload (part c: exam preparation etc.)	c) exam preparation (incl. examination) = sum of working hours: 30
	calculation of student workload (total amount of hours including a) - c))	Total amount of the presence time and working hours a) to c): 900
1m	description of possible optional courses in the module	<u>Can a student choose between different courses within the module?</u> NO <u>Short description of selection option</u> Klicken Sie hier, um Text einzugeben.
1n	language(s) of instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> French <input type="checkbox"/> Other, namely this: Klicken Sie hier, um Text einzugeben.
1o	frequency	(regular cycle module is offered) e.g.: winter semester, yearly or summer semester, yearly or each semester each semester Klicken Sie hier, um Text einzugeben.
1p	duration	one semester module
1q	Literature (optional)	Klicken Sie hier, um Text einzugeben.
1r	more information on the module (optional)	Klicken Sie hier, um Text einzugeben.
2	INFORMATION ON THE MODULE EXAMINATION (see also AT Art. 5 section 8)	
2a	type of examination	<input checked="" type="checkbox"/> module exam; i.e. exam with only one component (MP) <input type="checkbox"/> combination exam, i.e. exam with several components (administered by instructors) (KP) <input type="checkbox"/> partial exam; i.e. exam with several components (administered by registrar) (TP)
2b	exam components or prerequisites (type, number)	PL = graded component of the examination SL = ungraded component of the examination, coursework PVL = prerequisite of the examination (see AT Art. 5 Section 10) <input checked="" type="checkbox"/> PL 2 <input type="checkbox"/> SL <input type="checkbox"/> PVL justification If necessary, further explanations:

2c	Give this information for combination examinations only: Weights (in percentage) of component grades	<p>PL 1: Master thesis, 75%</p> <p>PL 2: Colloquium, 25%</p> <p>PL 3: Klicken Sie hier, um Text einzugeben.</p> <p>PL 4: Klicken Sie hier, um Text einzugeben.</p> <p>If necessary, further comments:</p> <p>Klicken Sie hier, um Text einzugeben.</p>
2d	form of examination (see AT BPO/AT MPO Art. 8, 9 and 10)	<div> <input type="checkbox"/> Assignment <input type="checkbox"/> Oral examination (single) <input type="checkbox"/> Presentation, oral </div> <div> <input type="checkbox"/> Written examination <input type="checkbox"/> Group examination, oral <input type="checkbox"/> Presentation and written assignment </div> <div> <input type="checkbox"/> Portfolio <input type="checkbox"/> Project report <input type="checkbox"/> Bachelor Thesis </div> <div> <input type="checkbox"/> Internship report <input checked="" type="checkbox"/> Colloquium <input checked="" type="checkbox"/> Master Thesis </div> <div> <input type="checkbox"/> Other (concrete definition is given in the examination regulations): </div> <p>Klicken Sie hier, um Text einzugeben.</p>
2e	language(s) of instruction	<div> <input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> French </div> <div> <input type="checkbox"/> Other, namely this: </div> <p>Klicken Sie hier, um Text einzugeben.</p>