

[A4]	Master thesis	Compulsory module	30 CP (total) = 900 h				6 Months
			Contact hours	Independent study 900 h			
Content							
The students familiarise themselves with a problem of current biochemical or cell biological research within the given time period. Based on the current state of research, solutions to the scientific problem are first identified and then implemented. You will apply appropriate scientific methods increasingly independently and present the results in writing in the master thesis in the style of a scientific publication.							
Learning outcomes and skills							
<ul style="list-style-type: none"> Working independently on a scientific topic Project planning and implementation Application of methodological knowledge to a demanding biochemical topic Scientific documentation Data analysis and interpretation Graphic processing of scientific results Deepening of problem-solving skills and the transfer of methodological knowledge Presentation, scientific evaluation, and discussion of the possible solutions to the topic of the master thesis in written form 							
Admissions requirements/Conditions for participation in the module/courses							
60 CP must have been achieved in the Master program before starting the master thesis. In order to be able to apply for admission to the master thesis, your research application in the module <i>Developing a research project</i> must have been submitted first.							
Recommended prior knowledge							
Organizational details							
<p>The master thesis can be conducted:</p> <ul style="list-style-type: none"> in the groups of the professors and PDs of the biochemistry study course, in research groups of FB 13, FB 14 and FB 15 covering biochemical topics (in this case, the second reviewer must be a university lecturer of the biochemistry study course), at the MPI for Biophysics (in this case, the second reviewer must be a university lecturer of the biochemistry study course), at the PEI if the research group is included in the list adopted by the Biochemistry Study Commission (https://www.uni-frankfurt.de/81331711/Generic_81331711.pdf) (in this case, the second reviewer must be a university lecturer of the biochemistry study course). <p>The written master thesis has to adhere to the requirements of the regulations as stated in §38 of the study regulations for the Master programme Biochemistry.</p>							
Module allocation (degree programme/faculty)		Master Biochemistry / FB14					
Module transferrable to other degree programmes							
Module offered		at any time after consultation with the research group leaders					
Duration		6 months					
Module coordinator		Chair of the Audit Committee					
Course requirements for credits							
Participation record							
Coursework							
Forms of teaching / learning		guided work in the laboratory					
Language teaching and instruction		English					
Module assessment		Form / duration / content, if applicable					
Final module assessment		written master thesis (6 months, usually approx. 70 pages, usually does not exceed 90 pages)					
Cumulative module assessment consisting of							
Composition of the module grade for cumulative module assessment							
		Mode of teaching / study	Semester hours per week	Semester CP			
				1	2	3	4
	Master thesis	MT	12				30
	TOTAL		12				30