

<b>Title of the module</b>	<b>Project proposal</b>		
<b>Term/semester</b>	Summer term / 2 and winter term / 3		
<b>VAK-Number</b>	Will be assigned centrally		
<b>Credit points</b>	9 ECTS		
<b>Compulsory/ elective course</b>	Compulsory course		
<b>Teaching methods</b>	Method	SWS	CP
	Seminar 1 Seminar 2	2 (28 h) 1 (14 h)	3 6
<b>Self studies</b>	Preparation of presentation for seminar 1 (literature)		58 h
	Preparation of written project proposal		90 h
	Preparation of presentation for seminar 2 (project defence)		80 h
<b>Module representative</b>	Prof. R. Dringen		
<b>Instructor</b>	All lecturers and professors of the BMB M.Sc. program		
<b>Examiner</b>	All lecturers and professors of the BMB M.Sc. program		
<b>Objectives</b>	The course will improve the knowledge of the student to critically read scientific literature and to understand the current state of the art in a representative research area. The students will propose a experimental project that is suitable to answer open questions that have not been answered so far by published literature. The written proposal will train the students in skills that are required for writing a grant application. The defense of the proposal will further improve the quality of scientific presentation and the ability of a critical scientific analysis of experimental strategies.		
<b>Content of teaching</b>	<i>The modul consists of three parts that have a volume of 3 CP each:</i> <ul style="list-style-type: none"> <li>• Presentation of scientific data that are described in a recently published article</li> <li>• Preparation of a written project proposal</li> <li>• Presentation and defense of the written project proposal</li> </ul>		
<b>Educational objectives</b>	<ul style="list-style-type: none"> <li>• Ability to critically analyse scientific publications</li> <li>• Ability to understand how to present scientific results</li> <li>• Ability to present and discuss a complex scientific topic in a seminar presentation</li> <li>• Ability to develop experimental strategies to answer new scientific questions</li> <li>• Ability to understand how to write, present and defend a proposal for an experimental scientific project</li> </ul>		
<b>Evaluation of the learning progress</b>	Discussions with supervisors of seminar presentations and written project proposal		
<b>Assessment</b>	Literature seminar presentation (30%); written project proposal (35%); project proposal defence (seminar 2) (35%)		
<b>Frequency</b>	Starts each summer semester		
<b>Usage in other degree programmes</b>	no		
<b>Requirements</b>	Successful attendance in the modules A and B		