

**Module name: Interdisciplinary College (Elective Module)**

<b>Identification number</b>	<b>Workload</b>	<b>Credits</b>	<b>Term of studying*</b>	<b>Frequency of occurrence</b>	<b>Duration</b>
MN-B-EM 2	90 h	3	1 <sup>st</sup> or 2 <sup>nd</sup> term of studying	March, each year	2 weeks
<b>1</b>	<b>Type of lessons</b>	<b>Contact times</b>	<b>Self-study times</b>	<b>Intended group size</b>	
	a) <b>Lectures</b> (L)	a) 42 h	37 h (Preparing and reworking matters of L , P and S)	Variable	
	b) <b>Practical course</b> (P)	b) 8 h			
	c) <b>Seminar</b> (S)	c) 3 h			
<b>2</b>	<b>Learning outcomes / Skills</b>				
	Students who successfully completed this module will have acquired an understanding of basic facts and concepts in neurobiology, artificial intelligence or cognitive science. They will understand the power and limitations of mathematical tools and models for the analysis of complex problems that reach from neural oscillation to cognition. Students will have gained deeper insight into facts, problems and concepts of complex problems of decision making and some cognitive functions.				
<b>3</b>	<b>Contents</b>				
	There are different Basic courses, Method courses, Special courses and Practical courses in the field of neurobiology, artificial intelligence and cognitive sciences each year. More information can be found on the webpage of the Interdisciplinary College at <a href="http://www.interdisciplinary-college.de">http://www.interdisciplinary-college.de</a>				
<b>4</b>	<b>Teaching methods</b>				
	Lectures; Seminar; Computer Modeling				
<b>5</b>	<b>Requirements for participation</b>				
	Registration for the conference				
<b>6</b>	<b>Type of examinations</b>				
	<b>Exam prerequisites:</b> Regular and active participation				
	<b>Exams:</b> Along the curriculum of the module each student has to take 6 courses. The student has to prepare written and detailed summaries of at least 4 of these courses (2-4 pages per course, judged as „pass“ or „fail“), among those has to be a method course, a practical course and a special course. The fourth is free to choose.				
<b>7</b>	<b>Requisites for the allocation of credits</b>				
	Certification of the module coordinator (a form can be found at <a href="http://www.biologie.uni-koeln.de/1214.html">http://www.biologie.uni-koeln.de/1214.html</a> ) has to be delivered to the examination office				
<b>8</b>	<b>Compatibility with other Curricula</b>				
	None				
<b>9</b>	<b>Significance of the mark for the overall grade</b>				
	None, in the sense that the Elective Module and its various components are judged as „pass“ or „fail“ and are not graded. A „pass“ in every component of the Elective Module is nevertheless an essential prerequisite for permission to start a Master Thesis.				
<b>10</b>	<b>Module coordinator and Participating faculty</b>				
	<b>Module coordinator:</b> Prof. Dr. Ansgar Büschges, phone 470-2607, e-mail: <a href="mailto:ansgar.bueschges@uni-koeln.de">ansgar.bueschges@uni-koeln.de</a> , Cologne Biocenter				
<b>11</b>	<b>Additional information</b>				
	The Interdisciplinary College in Günne takes place at lake Möhne for one week in March each year. Registration normally starts in the middle of December (see <a href="http://www.interdisciplinary-college.de">http://www.interdisciplinary-college.de</a> ).				

\* According to the course schedule (see appendix 2 of the examination regulations)