

<i>Elective Area</i>					
Identification number	Workload	Credits	Term of studying	Frequency of occurrence	Duration
MN-P-WaMa	360 h	12 CP	1 st Sem. and 2 nd Sem.	Depends on the individual choice	Depends on the individual choice
1	Type of lessons Depends on the individual choice	Contact times Depends on the individual choice	Self-study times Depends on the individual choice	Intended group size Depends on the individual choice	
2	Aims of the module and acquired skills Specialization in a scientific subject.				
3	Contents of the module The module "Elective Area" covers advanced courses (usually from the choice of master courses) with a minimum of 12 CP from two subjects. In general, the courses are from topics in Natural Sciences, including the modules in physics offered by the University of Bonn. They have to differ from the Primary Area of Specialization and the Secondary Area of Specialization. Each individual subject has to cover at least 3 CP, one course has to cover at least 6 CP: If not credited elsewhere, either of both courses "Advanced Quantum Mechanics" and "Advanced Statistical Physics" may be credited here.				
4	Teaching/Learning methods Elective subjects are organized by the associated department (i.e. the department offering the course in their curriculum, e.g. the department of Chemistry).				
5	Requirements for participation See module descriptions of the associated department.				
6	Type of module examinations See module descriptions of the related special field. The failed module can be compensated once by another selection of courses.				
7	Requisites for the allocation of credits The module is passed by passing all required individual exams.				
8	Compatibility with other Curricula As elective subject in other M.Sc. programs				
9	Significance of the module mark for the overall grade The grade for the module is the weighted arithmetic average of the grades for the individual subjects. A subject is a set of courses which will be graded in one examination. If students achieve more than 12 CP in the Elective Area, they may choose which 12 out of these CP are to be used for the weighted average. The weight of the module for the final grade is $12/111 \approx 10.8\%$.				
10	Module coordinator The chairman of the examination board.				

11

Additional information

The courses have to be chosen from the master or advanced bachelor curricula of the associated departments.

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