

Module Name Computer Science Seminar						
Type of Module Advanced Module				Module Code AM-I-S		
Identification Number	Workload	Credit Points	Term	Offered Every	Start	Duration
MSc-I-S	180 Hours	6 CP	1. – 3. Semester	SuSe/WiSe	both	1 Semester
1	Course Types a) Seminar		Contact Time 30 h	Private Study 150 h		Planned Group Size
2	Module Objectives and Skills to be Acquired Students are able to independently deepen advanced knowledge from mathematical computer science, independently conduct literature research and, building on this, carry out independent research-related project work. Students will be able to present and discuss their results coherently. General competencies include learning didactic-pedagogical methods and their application in scientific presentations, the ability to engage in critical scientific discussion, general presentation skills, and communication skills.					
3	Module Content The seminar deepens the students' knowledge of already known topics in mathematical computer science by having them independently work on a given topic/project and present it in a seminar paper as well as in a lecture. Usually, the topics are selected literature from an area of specialization in mathematical computer science, which can usually be studied with knowledge from at least one lecture of the Computer Science for Master's students offering.					
4	Teaching Methods Seminar					
5	Prerequisites (for the Module) Participation may depend on certain background knowledge. The responsible lecturer will decide about the admission to the respective seminar.					
6	Type of Examination The examination consists proportionally of a project paper and/or a seminar paper as well as a seminar presentation. Furthermore, regular attendance is required.					
7	Credits Awarded Lecture, elaboration as well as a regular participation as described in point 6.					
8	Compatibility with other Curricula The module is part of the master course "Informatik"					
9	Proportion of Final Grade 6/114					
10	Module Coordinator The lecturers of the Institute for Computer Science					
11	Further Information Language: German and/or English Please refer to the seminar catalogue (http://www.mi.uni-koeln.de/KVV/Seminarverzeichnis_aktuell.pdf) to find the currently offered seminars and their respective language.					

