

Module MA-INF 1302	Advanced Topics in Algorithmics				
Workload 270 h	Credit points 9 CP	Duration 1 semester	Frequency at least every 2 years		
Module coordinator	Prof. Dr. Marek Karpinski				
Lecturer(s)	Prof. Dr. Marek Karpinski, Prof. Dr. Norbert Blum, Prof. Dr. Joachim von zur Gathen, Prof. Dr. Rolf Klein				
Classification	Programme M. Sc. Computer Science		Mode Optional	Semester 2. or 3.	
Technical skills	Introduction to current advanced research topics in algorithmic research				
Soft skills	Presentation of solutions and methods, critical discussion of applied methods and techniques				
Contents	The topic will be announced before the start of the relevant semester.				
Prerequisites	Recommended: Introductory knowledge of foundations of algorithms and complexity theory is essential.				
Format	Teaching format	Group size	h/week	Workload[h]	CP
	Lecture	60	4	60 T / 105 S	5.5
	Exercises	30	2	30 T / 75 S	3.5
	T = face-to-face teaching; S = independent study				
Exam achievements	Written exam (graded)				
Study achievements	Successful exercise participation (not graded)				
Forms of media					
Literature	Depending on the topics varying from semester to semester, the relevant research literature will be announced before the start of the resp. semester.				