

Module MA-INF 1309	Lab Efficient Algorithms for Selected Problems: Design, Analysis and Implementation				
Workload 270 h	Credit points 9 CP	Duration 1 semester	Frequency at least every year		
Module coordinator	Prof. Dr. Marek Karpinski				
Lecturer(s)	Prof. Dr. Marek Karpinski, Prof. Dr. Norbert Blum, Prof. Dr. Rolf Klein, Prof. Dr. Heiko Röglin				
Classification	Programme M. Sc. Computer Science		Mode Optional	Semester 3.	
Technical skills	Ability to design, analyze and implement efficient algorithms for selected computational problems.				
Soft skills	ability to work on advanced algorithmic implementation projects, to work in small teams, clear didactic presentation and critical discussion of results				
Contents	Design of efficient exact and approximate algorithms and data structures for selected computational problems.				
Prerequisites	none				
Format	Teaching format	Group size	h/week	Workload[h]	CP
	Lab	8	4	60 T / 210 S	9
	T = face-to-face teaching; S = independent study				
Exam achievements	Oral presentation, written report (graded)				
Study achievements	none (not graded)				
Forms of media					
Literature	The relevant literature will be announced in time.				