

Module MA-INF 1207	Lab Combinatorial Algorithms				
Workload 270 h	Credit points 9 CP	Duration 1 semester	Frequency every year		
Module coordinator	Prof. Dr. Jens Vygen				
Lecturer(s)	All lecturers of Discrete Mathematics				
Classification	Programme M. Sc. Computer Science		Mode Optional	Semester 2.	
Technical skills	Competence to implement advanced combinatorial algorithms, handling nontrivial data structures, testing, documentation. Advanced software techniques.				
Soft skills	Efficient implementation of complex algorithms, abstract thinking, documentation of source code				
Contents	Certain combinatorial algorithms will be chosen each semester. The precise task will be explained in a meeting in the previous semester.				
Prerequisites	Required: MA-INF 1102 – Combinatorial Optimization				
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 topics and the relevant literature will be announced towards the end of the previous semester				