Module MA-INF 1210	Probabilistic Analysis of Algorithms						
Workload	Credit points	Duration		Frequer	ісу		
180 h	6 CP	1 semest		every year			
Module	Prof. Dr. Heiko Röglin						
coordinator							
Lecturer(s)	Prof. Dr. Heiko Röglin						
Classification	Programme	N	Mode	Semester			
	M. Sc. Compu	e (Optional	l 2. or 4	2. or 4.		
Technical skills	understanding of models and techniques for the probab						
	analysis of algorithms						
Soft skills	oral and written presentation of solutions and methods, abstract						
	thinking						
Contents	smoothed and average-case analysis						
	• simplex algorithm						
	• local search algorithms						
	 clustering algorithms combinatorial optimization problems multi-objective optimization 						
Prerequisites	Required: None of the following modules have been passed:						
	MA-INF 1213 – Randomized Algorithms and Probabilistic						
	Analysis						
	Teaching forms	at	Grou	ıp size	h/week	Workload[h]	CP
Format	Lecture		(60	2	30 T / 45 S	2.5
	Exercises			30	2	30 T / 75 S	3.5
	T = face-to-face teaching; $S = independent study$						
Exam achievements	Oral exam					(graded)	
Study achievements	Successful exercise participation (not					(not gra	ded
Forms of media							
Literature	lecture notes, research articles						