Module	**Lab Parameterized Complexity**			
MA-INF 1317				
Workload	**Credit points**	**Duration**	**Frequency**	
270 h	9 CP	1 semester	every year	
Module coordinator	Prof. Dr. Stefan Kratsch			
Lecturer(s)	Prof. Dr. Stefan Kratsch			
Classification	**Programme**		**Mode**	**Semester**
	M. Sc. Computer Science		Optional	2. or 3.
Technical skills	The ability to turn theoretical results from parameterized complexity into functioning code. Engineering, testing, and evaluation of the achieved performance.			
Soft skills	Managing projects in small teams over a longer period of time. Presentation and discussion of obtained results.			
Contents	Implementation of algorithms from parameterized complexity, i.e., both fixed-parameter tractable algorithms as well as kernelization algorithms. Testing and engineering of the obtained code. Concrete topics are subject to change.			
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		