Module MA-INF 1209	**Seminar Advanced Topics in Cryptography**				
Workload 120 h	**Credit points** 4 CP	**Duration** 1 semester	**Frequency** every semester		
Module coordinator	Prof. Dr. Joachim von zur Gathen				
Lecturer(s)	Prof. Dr. Joachim von zur Gathen, Dr. Michael Nüsken				
Classification	**Programme** M. Sc. Computer Science		**Mode** Optional	**Semester** 2. or 3.	
Technical skills	Understanding research publications, often written tersely. Distilling this into a presentation. Determination of relevant vs. irrelevant material. Developing a presentation that fascinates fellow students.				
Soft skills	Understanding and presenting material both orally and in visual media. Motivating other students to participate. Critical assessment of research results.				
Contents	A special topic within cryptography, changing from year to year, is studied in depth, based on current research literature				
Prerequisites	**Required:** MA-INF 1103 – Cryptography and one further course in cryptography like The Art of Cryptography or eSecurity.				
Format	**Teaching format** Seminar	**Group size** 10	**h/week** 2	**Workload[h]** 30 T / 90 S	**CP** 4
	T = face-to-face teaching; S = independent study				
Exam achievements	Oral presentation, written report (graded)				
Study achievements	none (not graded)				
Forms of media					
Literature	Current conference publications, to be announced in time				