Module MA-INF 3314	**Advanced Topics in Information Systems Security**				
Workload 180 h	**Credit points** 6 CP	**Duration** 1 semester	**Frequency** every year		
Module coordinator	PD Dr. Adrian Spalka				
Lecturer(s)	PD Dr. Adrian Spalka				
Classification	**Programme** M. Sc. Computer Science		**Mode** Optional	**Semester** 1.	
Technical skills					
Soft skills					
Contents	The content of the lecture focuses on state-of-the-art findings and techniques, and on present threats and security problems. Current examples are: an axiomatic view of authentication with application to user-centric environments and key management for cloud-applications.				
Prerequisites	none				
Format	**Teaching format**	**Group size**	**h/week**	**Workload[h]**	**CP**
	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 graded)				
Forms of media	Most content will be hand-written on the board with the supplement of a few slides. There are no handouts.				
Literature	A text-book on cryptography is advisable.				