Module MA-INF 3228	**Foundations of 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 security of networked information systems depends on four factors: authenticity, availability, confidentiality and integrity. This lecture examines their theoretical foundations and practical implementation. Along the historical development, the emphasis is put on modern information systems, such as those in the cloud.				
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	Written 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.				