

M.Sc. Engineering Science: Defence Systems

Name			8/1				9/2				10/3				11/4				12/5			
			V	ÜL	TWS	CP	Pr	V	ÜL	TWS	CP	Pr	V	ÜL	TWS	CP	Pr	V	ÜL	TWS	CP	Pr
Numerical Mathematics	Bause	C	2	1	3	4	1,5															
Operating Systems & Secure Computer Networks																						
Operating Systems	Klauer	C									2	2	4							8	2	
Secure Computer Networks	Klauer																			4		
HPC Systems and HPC Applications																						
Hardware Architecture of HPC Aystems	Glass	E						2	1	3	4	A									(16)	
HPC Techniques and Software Development	Glass												2	1	(3)	(4)	A					
Parallel Computing for Multiscale and Multiphysics Problems	Glass													2	1	(3)	(4)	A				
Special Applications of HPC in Defence Technology	Glass																					
Advanced Numerical Mathematics	Bause / Stierner							2	2	4	4	A										
Computational Fluid Dynamics	Breuer							2	1	(3)	(4)	A										
Computational Electromagnetics	Stierner												2	2	(4)	(4)	A					
Computational Material Design																						
Continuum Mechanics	Lammering	E	2	1	3	4	A														(16)	
Materials Modelling	Klassen / Höche																					
Modelling Advanced Processing Technologies	Klassen / Höche							2	1	3	4	A										
Simulating High Strain Deformation	Klassen / Höche												2	1	3	4	A					
Computational Design of Surfaces and Interfaces	Klassen / Höche																					
Statistical Thermodynamics	Meier												2	1	3	(4)	A					
Electro-Optics																						
High-Power Electromagnetics and Laser Systems	Dickmann (LA Sabath/Jung)	E																			(16)	
Technical Optics	Pronin							2	1	3	4	A										
Infrared Technologies and Applications	Pronin																					
Laser Technology	Kip		2	1	3	4															(3)	(4)
Defence Systems and Technologies																						
Ballistics 1	NN	E 24 CP																				
Ballistics 2	NN							2	1	(3)	(4)	A										
Failure Analysis and Maintenance	NN (LA Böllinghaus)		2	1	(3)	(4)	A															
Improvised Explosive Devices Disposal	Niemeyer (LA Jäger)							2	1	(3)	(4)	A										
Material Handling and Warehouse Technology	Bruns (LA: Ulrich)		2	1	(3)	(4)	A															
Electrochemical Power Sources for Mil. Appl.	Kreischer (LACremers)							2	1	(3)	(4)	A										
Corrosion and Corrosion Protection	Böllinghaus							2	1	(3)	(4)	A										
Terramechanics and Off-Road Vehicle Engineering	Meywerk												2	1	(3)	(4)	A					
CBRN	Niemeyer (LA NN)							2	1	3			2	1	3	8	A					
Naval Shipbuilding	Meywerk (LA Ehrenberg)							2	1	3			2	1	3	8	A					
Systems Engineering for Land Vehicles	Meywerk (LA Scheibel)							2	1	3			2	1	3	8	A					
Ammunition and Weapon Technologies	Meywerk (LA Schmidt)							2	1	3			2	1	(3)	(8)	A					
Interdisciplinary Studies																						
Laboratory Project	Profs ET/MB	C																			9	PA
Master Thesis	Profs ET/MB	C																				30
Σ TWS			69		11			27					21					10				
Σ CP			120		15			19					31					25				30