## Course of Study Theoretical Mechanical Engineering (Study Cohort w19)

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Sample course plan A Master Theoretical Mech	anical Engine	ering (TMBMS)			Core Qualification Elective Compulsory	Specialisation Elective	Compulsory Focus Elective Compulsory	Interdisciplinary complement
Specialisation Aircraft Systems Engineering	Form Hrs/wk	Semester 2 Fo	rm Hrs/wk	Semester 3		Form Hrs/wk	Semester 4	Form Hrs/wk
1 Finite Elements Methods 2 Finite Element Methods Finite Element Methods 3	VL 2 HÛ 2		/L 2 :Ü 2	Research Project Theoretic	al Mechanical Engineering		Master Thesis	
4 5 6								
7 Control Systems Theory and Design 8 Control Systems Theory and Design Control Systems Theory and Design 10 11 12	VL 2 GÜ 2		/L 2 PR 3					
13 Modelling and Optimization in Dynamics 14 Flexible Multibody Systems Optimization of dynamical systems 15 16 17 18	VL 2 VL 2		/L 2 IÜ 2	Aircraft Cabin Systems Aircraft Cabin Systems Aircraft Cabin Systems		VL 3 HÛ 1		
19 Control Lab C 20 Control Lab VII Control Lab VIII 21 Control Lab IX	PR 1 PR 1 PR 1	Linear and Nonlinear System Identifikation Linear and Nonlinear System Identification	/L 2					
22 Aircraft Systems I 23 Aircraft Systems I 24 25 26 27	VL 3 HŪ 2		s /L 2 IÜ 2					
28 29 30			/L 3 IÜ 2					
31 32 33								
Business & Management (from catalogue) - 6LP  Non-technical Courses for Master (from catalogue)	- 6LP			-				

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.