

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

Legend  
 Elective Compulsory  
 Core Qualification Elective Compulsory  
 Specialisation Elective Compulsory  
 Focus Elective Compulsory  
 Thesis Compulsory  
 Interdisciplinary complement

Sample course plan A Master Theoretical Mechanical Engineering (TMBMS)				Semester 3		Semester 4	
				Form	Hrs/wk	Form	Hrs/wk
1	<b>Finite Elements Methods</b>						
2	Finite Element Methods	VL	2				
3	Finite Element Methods	HÜ	2				
4							
5							
6							
7	<b>Control Systems Theory and Design</b>						
8	Control Systems Theory and Design	VL	2				
9	Control Systems Theory and Design	GÜ	2				
10							
11							
12							
13	<b>Modelling and Optimization in Dynamics</b>						
14	Flexible Multibody Systems	VL	2				
15	Optimization of dynamical systems	VL	2				
16							
17							
18							
19	<b>Control Lab C</b>						
20	Control Lab VII	PR	1				
21	Control Lab VIII	PR	1				
22	Control Lab IX	PR	1				
23							
24							
25							
26							
27							
28							
29							
30							
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.

