

Course of Study Theoretical Mechanical Engineering (Study Cohort w17)

Sample course plan A Master Theoretical Mechanical Engineering (TMBMS)
Specialisation Maritime Technology

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	Finite Elements Methods			Numerical Treatment of Ordinary Differential Equations			Research Project Theoretical Mechanical Engineering			Master Thesis		
2												
3												
4												
5												
6												
7	Control Systems Theory and Design			Applied Dynamics: Numerical and experimental methods								
8												
9												
10												
11												
12												
13	Modelling and Optimization in Dynamics			High-Order FEM			Ship Vibration					
14												
15												
16												
17												
18												
19	Control Lab C			Computational Fluid Dynamics II			Arctic Technology					
20												
21												
22												
23	Marine Auxiliaries (part 1)											
24												
25	Maritime Technology and Maritime Systems (part 1)			Linear and Nonlinear System Identifikation								
26												
27												
28												
29												
30												
31												
32												
33												

Business & Management (from catalogue) - 6LP

Non-technical Elective Complementary 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.