

Course of Study Energy Systems (Study Cohort w15)

Sample course plan C Master Energy Systems (ENTMS)
Specialisation Marine Engineering

Legend:

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

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	Practical Course Energy Systems			Marine Diesel Engine Plants			Project Work Energy Systems			Master Thesis		
2	Practical Course Energy Systems	FL	6	Marine Diesel Engine Plants	VL	3						
3				Marine Diesel Engine Plants	HÜ	1						
4												
5												
6												
7	Marine Power Engineering			Computational Fluid Dynamics II								
8	Electrical Installation on Ships	VL	2	Computational Fluid Dynamics II	VL	2						
9	Electrical Installation on Ships	HÜ	1	Computational Fluid Dynamics II	HÜ	2						
10	Marine Engineering	VL	2									
11	Marine Engineering	HÜ	1									
12												
13	Fluid Mechanics and Ocean Energy			Selected Topics of Marine Engineering (part 2)			Innovative CFD Approaches					
14	Fluid Mechanics II	VL	2	Selection from a catalog			Application of Innovative CFD Methods in Research and Development	VL	2			
15	Energy from the Ocean	VL	2				Application of Innovative CFD Methods in Research and Development	UE	2			
16												
17												
18												
19	Maritime Technology and Offshore Wind Parks			Air Conditioning			Ship Vibration					
20	Introduction to Maritime Technology	VL	2	Air Conditioning	VL	3	Ship Vibration	VL	2			
21	Offshore Wind Parks	VL	2	Air Conditioning	HÜ	1	Ship Vibration	UE	2			
22	Introduction to Maritime Technology	UE	1									
23												
24												
25	Selected Topics of Marine Engineering (part 1)											
26	Selection from a catalog											
27												
28												
29												
30												

Business & Management (from catalogue) - 6LP

Nontechnical 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.