Course of Study Energy Systems (Study Cohort w18)

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

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	**Practical Course Energy Systems**			**Marine Diesel Engine Plants**			**Project Work Energy Systems**			**Master Thesis**		
2	Practical Course Energy Systems	PR	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 - Option A (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 - Option A (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.