Course of Study Naval Architecture and Ocean Engineering (Study Cohort w15)

Sample course plan A Master Naval Architecture and Ocean Engineering (SBMS)

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	**Structural Analysis of Ships and Offshore Structures**			**Seakeeping of Ships and Laboratory on Naval Architecture (part 2)**			**Research Project Naval Architecture and Ocean Engineering**			**Master Thesis**		
2	Structural Analysis of Ships and Offshore Structures	VL	2	Laboratory on Naval Architecture	FL	2						
3	Structural Analysis of Ships and Offshore Structures	UE	2	**Maritime Technology and Maritime Systems (part 2)**								
4				Analysis of Maritime Systems	VL	2						
5				Analysis of Maritime Systems	UE	1						
6				**Numerical Methods in Ship Design (part 2)**								
7	**Ship Vibration**			Numerical Methods in Ship Design	VL	2						
8	Ship Vibration	VL	2									
9	Ship Vibration	UE	2									
10				**Marine Diesel Engine Plants**								
11				Marine Diesel Engine Plants	VL	3						
12				Marine Diesel Engine Plants	HÜ	1						
13	**Ship Safety**						**Innovative CFD Approaches**					
14	Ship Safety	VL	2				Application of Innovative CFD Methods in Research and Development	VL	2			
15	Ship Safety	HÜ	2									
16				**Special Topics of Ship Propulsionand Hydrodynamics of High Speed Water Vehicles**			Application of Innovative CFD Methods in Research and Development	UE	2			
17				Special Topics of Ship Propulsion	VL	3						
18				Hydrodynamics of High Speed Water Vehicles	VL	3						
19	**Seakeeping of Ships and Laboratory on Naval Architecture (part 1)**						**Advanced Ship Design**					
20	Seakeeping of Ships	VL	1				Advanced Ship Design	VL	2			
21	Seakeeping of Ships	UE	1				Advanced Ship Design	HÜ	2			
22				**Ship propellers and cavitation**								
23	**Maritime Technology and Maritime Systems (part 1)**			Marine Propellers	VL	2						
24	Introduction to Maritime Technology	VL	2	Marine Propellers	POL	2						
25	Introduction to Maritime Technology	UE	1	Cavitation	VL	2						
26	**Numerical Methods in Ship Design (part 1)**											
27	Numerical Methods in Ship Design	POL	2									
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.