

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

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

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	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									
4				Maritime Technology and Maritime Systems (part 2)								
5				Analysis of Maritime Systems	VL	2						
6				Analysis of Maritime Systems	UE	1						
7	Ship Vibration			High-Order FEM								
8	Ship Vibration	VL	2	High-Order FEM	VL	3						
9	Ship Vibration	UE	2	High-Order FEM	HÜ	1						
10												
11												
12				Numerical Algorithms in Structural Mechanics								
13	Ship Safety			Numerical Algorithms in Structural Mechanics	VL	2	Selected topics in Naval Architecture and Ocean Engineering (part 2)					
14	Ship Safety	VL	2	Numerical Algorithms in Structural Mechanics	UE	2	Selection from a catalog					
15	Ship Safety	HÜ	2									
16							Vibration Theory					
17							Vibration Theory	VL	3			
18				Selected topics in Naval Architecture and Ocean Engineering (part 1)								
19	Seakeeping of Ships and Laboratory on Naval Architecture (part 1)			Selection from a catalog								
20	Seakeeping of Ships	VL	1									
21	Seakeeping of Ships	UE	1				Manoeuvrability and Shallow Water Ship Hydrodynamics					
22							Manoeuvrability of Ships	VL	2			
23	Maritime Technology and Maritime Systems (part 1)						Shallow Water Ship Hydrodynamics	VL	2			
24	Introduction to Maritime Technology	VL	2									
25	Introduction to Maritime Technology	UE	1				Arctic Technology					
26							Ship structural design for arctic conditions	POL	2			
27							Ice Engineering	VL	2			
28							Ice Engineering	UE	1			
29												
30												
31												
32												
33												
	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.