

Course of Study Naval Architecture and Ocean Engineering (Study Cohort w17)

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