

# Course of Study Naval Architecture and Ocean Engineering (Study Cohort w20)

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

Business & Management (from catalogue) - 6LP

Non-technical 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.