

	Study track: Ocean structures	
	Students start: Chalmers	
Semester	Prerequisite: BSc Mechanical Engineering or Naval Architecture	ECTS
1 Autumn Chalmers (2020)	MMA136 Ship geometry and hydrostatics	7.5
	MMA127 Marine transport systems	7.5
	MMA161 Ship resistance and computational hydrodynamics	7.5
	MMA168 Marine structural engineering	7.5
2 Spring Chalmers (2020)	SJO740 Marine propulsion systems	7.5
	SJO745 Wave loads and seakeeping	7.5
	SJO750 Reliability analysis of marine structures	7.5
	Electives (choose one):	7.5
	TME240 Composite mechanics	(7.5)
TME245 FEM-structures*	(7.5)	
SJO836 Risk and safety management**	(7.5)	
3 Autumn NTNU (2020/ 2021)	TMR4500 Ocean structures - specialization project	7.5
	TMR4505 Specialization courses – modules, select two of:	7.5
	- Structural analysis	
	- Dynamic analysis of marine structures	
	- Ship design for ice operations	
	- Experimental methods in hydrodynamics	
	- Integrated analysis of offshore wind turbines	
	Electives (choose two):	15
	TMR4145 Aquaculture structures	(7.5)
	TMR4195 Design of offshore structures (exam spring***)	(7.5)
TMR4190 Finite element methods in structural analysis *	(7.5)	
TMR4305 Advanced analysis of marine structures	(7.5)	
TMR4130 Risk analysis and safety management in marine transport**	(7.5)	
TMR4200 Fatigue and fracture of marine structures	(7.5)	
TMR4235 Stochastic theory of sea loads	(7.5)	
TMR4215 Sea loads	(7.5)	
4 Spring NTNU (2021/2)	Master Thesis, NTNU	30

* Only one of the courses TME245 and TMR4190.

** Only one of the courses SJO836 and TMR4130.

*** Exam for this course will be arranged in the exam period during the spring semester

5 August 2020 Note: Modifications and corrections to this table may be issued without prior notice.