

Semester	Study track: Ocean Structures	ECTS
	Students start: KTH	
	Prerequisite: BSc Mechanical Engineering or Naval Architecture	
1 Autumn KTH (2019)	SD2722 Marine structures	7.5
	SD2721 Ship design	9
	Electives:	
	SD2411 Lightweight structures and FEM	(8)
	EH2720 Management of projects	(7.5)
	SD2416 Structural optimization and sandwich design	(6)
	AK2030 Theory of science	(4.5)
SD1105 MATLAB	(3)	
SG2218 Turbulence	(7.5)	
2 Spring KTH (2020)	SD2723 Marine hydromechanics	7.5
	SD2711 Small craft design	10
	Electives:	
	SD2413 Fibre composites – analysis and design	(6)
	SD2414 Fibre composites – materials and manufacturing	(6)
	SG2212 Computational fluid dynamics	(7.5)
	SG2224 Applied computational fluid dynamics	(5)
SD2724 Minor marine technology project	(3)	
AL2160 Environmental management	(7.5)	
3 Autumn NTNU (2019/ 2020)	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
	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 (2020/1)	Master Thesis, NTNU	30

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

29 August 2017

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