Nordic Master in Maritime Engineering, courses at all universities

	Aalto	Chalmers	DTU	NTNU
1st year	MEC-E1004 Principles of Naval	EEN130 Systems and Mechat.	41216 Structural Assessment of	TMR4115 Design methods, 7.5
-	Arch., 5	for Mob. Eng, 7.5	Ship, 5	
Autumn	MEC-E2000 Marine and Ship	MMS195 Intr. to Propulsion and	41222 Wave Loads on Ships	TMR4260 Safe operation and
	Syst. Eng., 5	Energy, 7.5	and Offshore Struct., 5	maintenance, 7.5
	MEC-E1030 Random Loads and	MMA169 Structural	41275 Ship Operations, 5	
	Proc., 5	Engineering, 7.5		Electives (15 ECTS):
	MEC-E2003 Passenger Ships, 5	MMS185 Stab. and Des. Basis	38106 Developing an Entr.	TMR4130 Risk analysis and
		for Mar. Struct, 7.5	Mindset etc, 5	safety, 7.5
			42500 Innovation in	TMR4215 Sea loads, 7.5
	Electives (10-15ECTS):		Engineering, 5	
	MEC-E1020 Fluid Dynamics, 5			TMR4182 Marine dynamics, 7.5
			Electives (5 ECTS):	
	MEC-E1040 Dynamics of		41129 Turbulent flows, 5	TMR4290 FEM in structural
	Structures, 5			analysis, 7.5
	MEC-E1050 FEM in Solids, 5		41117 Marine and Coastal	TMR4275 Mod., Simul. & Ana.
			Structures, 5	of Dyn. Syst., 7.5
	MEC-E4003 Ice Mechanics, 5		41515 Computational	TEP4223 Life cycle
			multibody dynamics, 5	assessment
	MEC-E4004 Model-scale testing			
	etc, 5			
	MEC-E8005 Thin-walled			
	structures 5			
	MEC-E8006 Fatigue of			
4 - 4	structures, 5	MMAAAAAAAAA	44407 Marina and Occasi	TMD 440.4 Objects and Overtone
1st year	MEC-E2007 Ship Structures	MMA163 Ship Resistance and	41107 Marine and Ocean	TMR4164 Shipbu. and Custom. Manufact., 7.5
Spring	and Const., 5 MEC-E2011 Ship Design	Propulsion, 7.5 MMS205 Naval Architecture,	Engineering, 5 41317 Computational Fluid	TMR4220 Naval
Opinig	Portfolio, 5	7.5	Mechanics, 5	hydrodynamics, 7.5
	MEC-E2014 Ship Hydrostatics,	SJO746 Wave Loads and	41514 Dynamics of Machinery,	nyurouynannos, 7.5
	5	Seakeeping, 7.5	5	Electives (15 ECTS):
	MEC-E2014 Ship		41315 Applied CFD, 5	TMR4135 Advanced vessel
	Hydrodynamics, 5	Electives (7.5 ECTS):		design, 7.5
		KKR073 Comp. Fluid. Dyn. For		TMR4290 Marine Elec. and
	Language studies	Engineers, 7.5	Electives (10 ECTS):	Prop. Systems, 7.5
		MHA043 Material Mechanics,	02411 Statistical Design and	TMR4225 Marine operations,
	Electives (up to 5 ECTS):	7.5	Ana. of Experim., 5	7.5
	MEC-E8001 Finite Element	MMS210 Connect. Fleets in	41237 Dynamics of Structures,	
	Analysis, 5	Data-Driven Eng, 7.5	5	
	MEC-E4002 Ice Loads on		41517 Stiffened Plates and	
	Structures, 5		Sandwich Comp., 5	
	MEC-E4006 Ship Operations in		41226 Advanced Wave	
	Ice, 5		Hydrodynamics, 5	
			41346 Internal combustion eng.	
			Etc, 5 41418 Green fuels and power-	
			to-x, 5	
2nd year	MEC-E2003 Passenger Shins 5	MMA151 Marine design Project	41216 Structural Assessment of	TMR4500 Ocean structures -
2 ,		15	Ships, 5	spec. project, 7.5
Autumn	MEC-E2009 Marine Risks and		41222 Wave Loads on Ships	TMR4505 Specialization
	Safety, 5	Electives (15 ECTS):	and Offs. Struct., 5	courses, 7.5
	,,	TME260 Fatigue and Fracture,	41275 Ship Operations, 5	TMR4195 Design of offshore
	Language studies	7.5		structures, 7.5
		MMS046 Project Management,	41117 Marine and Coastal	
	Electives (up to 20ECTS):	7.5	Structures, 5	Electives (7.5 ECTS):
	MEC-E1040 Dynamics of	SJO851 Towards Sustainable		TMR4305 Adv. analysis of
	Structures, 5	Shipping, 7.5	Electives (10 ECTS):	marine struct., 7.5
	MEC-E2016 Marine Data	MMS190 Methods of Risk and	41525 Finite Element Methods	TMR4130 Risk analysis and
	Analysis, 5	Rel. Analysis, 7.5	10	safety, 7.5
	MEC-E4003 Ice Mechanics, 5	SJO825 Organization and	41129 Turbulent Flows, 5	TMR4200 Fatigue and fract. of
	VEO 5 400 / M	Strategy, 7.5	44000 5	mar. struct., 7.5
	MEC-E4004 Model-scale	TME141 Structural Dynamics,	41822 Experimental Fluid	TMR4235 Stochastic theory of
	Testing in Ice, 5	7.5	Mechanics, 5	sea loads, 7.5
	MEC-E8005 Thin-walled		41822 Experimental Solid	TMR4215 Sea loads, 7.5
	Structures, 5		Mechanics, 5	
	MEC-E8006 Fatigue of			
2nd year	Structures, 5 Thesis, 30 ECTS			
Spring	1110010, 00 E010			
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