

Study Programme

Faculty of Ocean Engineering and Ship Technology

Ocean Engineering

Second level (M.Sc.)

			Hours					ECTS	Hours					ECTS	Hours					ECTS																													
			Lct	T	Lab	p/s	Σ	scores	Lct	T	Lab	p/s	Σ	scores	Lct	T	Lab	p/s	Σ	scores	Lct	T	Lab	p/s	Σ	scores																							
OCEAN ENGINEERING																																																	
Ship Technology and Offshore Engineering																																																	
SEMESTR I																																																	
1	O	Environmental Protection	15			15	30	2																																									
2	O	Marine and Intermodal Transport	30	15		30	75	6																																									
3	O	Marine Applied Informatics, CAE and Design Tools	30		30		60	5																																									
4	O	Material Engineering	30		30		60	6																																									
5	F	Manufacturing Technology	30			15	45	3																																									
6	F	Ship and Offshore Processes and Operations	30	15	15		60	5																																									
7	F	Stability & Dynamics of Ship and Offshore Structures I	30	15			45	3																																									
SEMESTR II																																																	
8	O	Finance and Economy in Engineering Design						15	30				45	3																																			
9	O	Modelling and Simulation in Ocean Engineering						30		30			60	4																																			
10	O	Reliability, Safety and Risk Analysis						30	15				45	3																																			
11	F	Advanced Mechanics of Marine Structures I						30	15				45	3																																			
12	F	Manufacturing Technology II								15	30		45	3																																			
13	F	Marine Applied Informatics, CAE and Design Tools II						15		45			60	5																																			
14	F	Ship and Offshore Processes and Operations II						30	15	15			60	5																																			
15	F	Stability & Dynamics of Ship and Offshore Structures II						15		30			45	4																																			
SEMESTR III																																																	
16	O	Project Management											30			45		75	6																														
17	F	Advanced Mechanics of Marine Structures II											15		45			60	5																														
18	F	Engineering Design - group project														30		30	2																														
19	F	Marine Applied Informatics, CAE and Design Tools III													45			45	3																														
20	F	Modelling and Simulation in Ocean Engineering II									15		30					45	3																														
21	F	Optimisation in Engineering Design									30		15					45	3																														
22	F	Reliability, Safety and Risk Analysis II									15				15			30	2																														
23	F	Ship Design and Construcion									15				60			75	5																														
24	HS	Socio-humanistic subject											30					30	2																														
SEMESTR IV																																																	
25	O	Professional Communication																	60		60					4																							
26	F	Engineering Design - group project II																	75		75					6																							
27	F	MSc Thesis																								20																							
																							195	45	75	60	375		30	##	75	##	30	405		30	150	0	135	150	435	31	0	0	0	135	135	30	
																							Hours Total		ECTS Total																								
																							1350		121																								

Marine Engineering and Offshore Energy																																																	
SEMESTR I																																																	
28	O	Environmental Protection	30				30	2																																									
29	O	Marine and Intermodal Transport	30	15		30	75	6																																									
30	O	Marine Applied Informatics, CAE and Design Tools	30		30		60	5																																									
31	O	Material Engineering	30		30		60	6																																									
32	F	Design and Manufacturing Technology	15	15	15		45	3																																									
33	F	Marine Renewable Energies	30		15		45	3																																									
34	F	Power Transmission Systems	30	30	15		75	5																																									
SEMESTR II																																																	
35	O	Finance and Economy in Engineering Design						15	30				45	3																																			
36	O	Modelling and Simulation in Ocean Engineering						30		30			60	4																																			
37	O	Reliability, Safety and Risk Analysis						30	15				45	3																																			
38	F	Design and Manufacturing Technology II											45	3																																			
39	F	Marine and Offshore Systems and Equipments						30		15			45	3																																			
40	F	Marine Applied Informatics, CAE and Design Tools II						15		45			60	5																																			
41	F	Marine Renewable Energies II						15				45	60	5																																			
42	F	Ship and Offshore Power Systems Design						30		15			45	4																																			
SEMESTR III																																																	
43	O	Project Management											30			45		75	6																														
44	F	Availability and Maintenance of Marine Power and Energy Systems											15	15	15			45	4																														
45	F	Engineering Design - group project														30		30	2																														
46	F	Marine and Offshore Systems and Equipments II									15					60		75	5																														
47	F	Marine Applied Informatics, CAE and Design Tools III													45			45	3																														
48	F	Modelling and Simulation in Ocean Engineering II									15		30					45	3																														
49	F	Reliability, Safety and Risk Analysis II									15					15		30	2																														
50	F	Ship and Offshore Power Systems Design II														45		45	4																														
51	HS	Socio-humanistic subject											30					30	2																														
SEMESTR IV																																																	
52	O	Professional Communication																	60		60					4																							
53	F	Engineering Design - group project II																	75		75					6																							
54	F	MSc Thesis																								20																							
																							195	60	105	30	390		30	##	45	##	90	405		30	120	15	90	195	420	31	0	0	0	135	135	30	
																							Hours Total		ECTS Total																								
																							1350		121																								