

DIDACTIC PROGRAMME OF THE II LEVEL UNIVERSITY MASTERS PROGRAMME IN “ADVANCED SKILLS IN SAFETY, ENVIRONMENT AND SECURITY AT SEA”

Didactic activity title	SDS	ECTS	N. of hours	N° of Lectures hours	Activity type	Exam type	Evaluation type
Testimonials from the maritime industry world	ING-IND/02	1	25	25	Seminars	Oral	Judgement
Safety basics							
Basic instruments used in ship design	ING-IND/02	4	100	32	Lesson	Written	Numerical grade (out of 30)
Electrical power system	ING-IND/33	1	25	8	Lesson	Written	
Concepts related to dependability and survivability	ING-IND/33	1	25	8	Lesson	Written	
Overview of the Marine Regulatory Framework and the Maritime Industry							
Overview of the Marine Regulatory Framework and the Maritime Industry - Lecture 1	ING-IND/02	1	25	8	Lesson	Written	Numerical grade (out of 30)
Overview of the Marine Regulatory Framework and the Maritime Industry - Lecture 2	ING-IND/02	1	25	8	Lesson	Written	
Overview of the Marine Regulatory Framework and the Maritime Industry - Lecture 3	ING-IND/02	1	25	8	Lesson	Written	
Overview of the Marine Regulatory Framework and the Maritime Industry - Lecture 4	ING-IND/02	1	25	8	Lesson	Written	
Overview of the Marine Regulatory Framework and the Maritime Industry - Lecture 5	ING-IND/02	1	25	8	Lesson	Written	
Overview of the Marine Regulatory Framework and the Maritime Industry - Lecture 6	ING-IND/02	1	25	8	Lesson	Written	
Fire Protection							
Fire protection - Lecture 1	ING-IND/02	1	25	8	Lesson	Written	Numerical grade (out of 30)
Fire protection - Lecture 2	ING-IND/02	1	25	8	Lesson	Written	
Fire protection - Lecture 3	ING-IND/02	2	50	16	Lesson	Written	
Fire protection - Lecture 4	ING-IND/02	2	50	16	Lesson	Written	
Evacuation Process							
Rules framework	ING-IND/02	1	25	8	Lesson	Written	Numerical grade (out of 30)
Life Saving Appliances	ING-IND/02	1	25	8	Lesson	Written	
Evacuation analyses	ING-IND/02	4	100	32	Lesson	Written	
Passenger Ships Safety Specifics							
Passenger Ships Safety Specifics - Lecture 1	ING-IND/02	1	25	8	Lesson	Written	Numerical grade (out of 30)
Passenger Ships Safety Specifics - Lecture 2	ING-IND/02	1	25	8	Lesson	Written	
Passenger Ships Safety Specifics - Lecture 3	ING-IND/02	1	25	8	Lesson	Written	
Passenger Ships Safety Specifics - Lecture 4	ING-IND/02	2	25	16	Lesson	Written	
Passenger Ships Safety Specifics - Lecture 5	ING-IND/02	2	25	16	Lesson	Written	
Offshore Units, Special Ships and Crafts							
Offshore units	ING-IND/02	1	25	8	Lesson	Written	Numerical grade (out of 30)
Passenger yachts	ING-IND/02	1	25	8	Lesson	Written	
Small and large yachts	ING-IND/02	1	25	8	Lesson	Written	
Special vessels	ING-IND/02	1	25	8	Lesson	Written	
Environmental Requirements and Energy Efficiency via Simulation-Based Hull-Form Optimization							
Fuel consumption optimization via weather routing	ING-IND/01	2	50	16	Lesson	Written	Numerical grade (out of 30)

Environmental Requirements and Energy Efficiency via Simulation- Based Hull-Form Optimization-Lecture 2	ING-IND/01	1	25	8	Lesson	Written	
Environmental Requirements and Energy Efficiency via Simulation- Based Hull-Form Optimization-Lecture 3	ING-IND/01	2	50	16	Lesson	Written	
Environmental Requirements and Energy Efficiency via Simulation- Based Hull-Form Optimization-Lecture 4	ING-IND/01	2	50	16	Lesson	Written	
Scientific Studies on Environmental Impacts Including Noise and Acoustic							
Scientific Studies on Environmental Impacts Including Noise and Acoustic - Lecture 1	ING-IND/29	1	25	8	Lesson	Written	Numerical grade (out of 30)
Scientific Studies on Environmental Impacts Including Noise and Acoustic - Lecture 2	ING-IND/29	2	50	16	Lesson	Written	
Scientific Studies on Environmental Impacts Including Noise and Acoustic - Lecture 3	ING-IND/29	3	75	24	Lesson	Written	
Alternative Fuels and Hybrid Propulsion							
Alternative Fuels and Hybrid Propulsion - Lecture 1	ING-IND/08	1	25	8	Lesson	Written	Numerical grade (out of 30)
Alternative Fuels and Hybrid Propulsion - Lecture 2	ING-IND/08	1	25	8	Lesson	Written	
Alternative Fuels and Hybrid Propulsion - Lecture 3	ING-IND/08	1	25	8	Lesson	Written	
Alternative Fuels and Hybrid Propulsion - Lecture 4	ING-IND/08	1	25	8	Lesson	Written	
Alternative Fuels and Hybrid Propulsion - Lecture 5	ING-IND/08	1	25	8	Lesson	Written	
Alternative Fuels and Hybrid Propulsion - Lecture 6	ING-IND/08	1	25	8	Lesson	Written	
Operational Safety and Security							
Operational Safety and Security - Lecture 1	ING-INF/05	1	25	8	Lesson	Written	Numerical grade (out of 30)
Operational Safety and Security - Lecture 2	ING-INF/05	1	25	8	Lesson	Written	
Operational Safety and Security - Lecture 3	ING-INF/05	1	25	8	Lesson	Written	
Operational Safety and Security - Lecture 4	ING-INF/05	1	25	8	Lesson	Written	
Operational Safety and Security - Lecture 5	ING-INF/05	1	25	8	Lesson	Written	
Operational Safety and Security - Lecture 6	ING-INF/05	1	25	8	Lesson	Written	
Project Management Techniques and Soft Skills							
Project Management Techniques and Soft Skills - Lecture 1	ING-IND/17	1	25	8	Lesson	Written	Numerical grade (out of 30)
Project Management Techniques and Soft Skills - Lecture 2	ING-IND/17	1	25	8	Lesson	Written	
Project Management Techniques and Soft Skills - Lecture 3	ING-IND/17	1	25	8	Lesson	Written	
Project Management Techniques and Soft Skills - Lecture 4	ING-IND/17	1	25	8	Lesson	Written	
Project Management Techniques and Soft Skills - Lecture 5	ING-IND/17	1	25	8	Lesson	Written	
Project Management Techniques and Soft Skills - Lecture 6	ING-IND/17	1	25	8	Lesson	Written	
Internship	-	17	425	-	Internship	Written	None
Final test	-	16	400	-	-	Thesis and dissertation	Final numerical grade (out of 110)
TOTAL HOURS AND OVERALL ECTS	-	100	2500	528			