UNIVERSITY DESTINATIONS

in

Erasmus+

of

Facultat de Nàutica de Barcelona

International Relations

2024

Disclaimers

☒ ***This paper only serves as guidance.***

In order to choose the destination of your mobility you should check the University's web page. The courses are in continue development. What appears in this document is subjected to change.

☒ ***The 'addressed to' Bachelor or Master info is subjective.***

These have been chosen according to what looks more fitting. Consequently, if in your Bachelor or Master you have similar courses to the ones taught at the destination university, it can also be a fit.

When choosing a destination University, we encourage you to start by:

☒ *Looking thoroughly the courses available at the desired language (mostly English) of the university you are interested in applying, instead of just taking a quick view on the 'addressed to' cell.*

Also crucial to:

- *Check the semester that the course will take place!*
- *If the university has special requirements, some examples:*
  - *Only allow exchange students to take a certain study path!*
  - *Minimum or maximum amount of ECTS to choose!*
  - *Certain language level!*

Keywords when looking for information at the university's web:

☒ *Erasmus students*

☒ *Exchange students*

☒ *Abroad students*

☒ *International students*

☒ *Incoming students*

1. Jade University of Applied Sciences, Elsfleth, Germany

	Jade University of Applied Sciences
Location	Weser str. 4. 26931 Elsfleth
Department	Department of Maritime and Logistics Studies
Campus	Elsfleth Campus
List of courses	Courses
International Office	Students from abroad
Addressed to	**GNTM**

Courses offered in English:

Maritime and Logistics Studies	
Business english (C1)	5 ECTS
Business Information Systems	5 ECTS
Cargo Operations	5 ECTS
Communication and intercultural management	5 ECTS
Dangerous goods	5 ECTS
German language for incomings	5 ECTS
Health Care	5 ECTS
Maneuvering/Simulator exercises	1 ECTS
Marine engineering and control systems	5 ECTS
Maritime English (C1)	5 ECTS
Mathematics 1	5 ECTS
Mathematics 2	5 ECTS
Navigation 1	5 ECTS
Personnel management	2 ECTS
Shipping economics	5 ECTS
Transport management	2.5 ECTS
Telecommunications	3.75 ECTS
Training voyage on sailing ship	3 ECTS

2. Hochsule Bremen, City University of Applied Sciences (HSB), Bremen, Germany

	Hochsule Bremen, City University of Applied Sciences
Location	Neustadtswall 30 - 28199 Bremen
Schools	School of Nature and Engineering School of Architecture, Civil and Environmental Engineering
Exchange students	English Stream
Addressed to	**GNTM** **GESTN**

Courses offered in English depending of Bachelor:

B. Sc. School of Nature and Engineering	**Shipping and Chartering**	
	Introduction to Business Law & International Trade Law	6 ECTS
	Introduction to Management	6 ECTS
	Mathematics	6 ECTS
	Organisational Behaviour	6 ECTS
	Shipping English	6 ECTS
	Ship Management	
	Maritime Administration & Marine Environment Protection	6 ECTS
B. Sc. School of Architecture, Civil and Environmental Engineering	**Environmental Engineering**	
	Construction & Design of Built Structures	6 ECTS
	Electrical Engineering, Measurement and Control Technology	6 ECTS
	Industrial Wastewater Management	6 ECTS
	Project Apparatus and Plant Engineering	6 ECTS
	Project Infrastructure	6 ECTS
	Remediation Technologies	6 ECTS

3. Antwerp Maritime Academy, Anvers, Belgium

	Antwerp Maritime Academy
Location	Noordkasteel Oost 6. 2030 Antwerpen
International Students	Information for incoming students
Addressed to	**GNTM** **GTM** **MUNGTM**

Courses offered in English depending of Bachelor:

B. Sc. Nautical Sciences	Maritime English (Part 1) > Maritime English (Part 1)	7 ECTS
	Problems of Navigation (Part 2) > Radar	2 ECTS
	Thermodynamics & Ship's Construction (Part 2) > Ship's Construction (Part 2)	1 ECTS
	Maritime English (Part 2) > Maritime English (Part 2)	4 ECTS
	Propulsion (Part 1) > Propulsion (Part 1)	2 ECTS
	Law of the Sea – Basics	3 ECTS
	Maritime English (Part 3)	3 ECTS
	Dredging Techniques	3 ECTS
	Introduction in Hydrography	3 ECTS
	Informatics in a Maritime Context	3 ECTS
B. Sc. Marine engineering	Maritime English (Part 1)	7 ECTS
	Maritime English (Part 2)	4 ECTS
	Maritime English (Part 3)	3 ECTS
	Maritime Resource Management (Part 1)	2 ECTS
	Maritime Resource Management (Part 2)	1 ECTS

M. Sc. Nautical Sciences	Ship's Exploitation (part 2)	4 ECTS
	Supply chain management 1	3 ECTS
	Maritime Law – basics	3 ECTS
	Propulsion (part 2)	2 ECTS
	Analysis of shipping markets	3 ECTS
	Supply chain management 2	3 ECTS
	Port management and policy	3 ECTS
	Advanced maritime ecology and technology	3 ECTS
	Advanced stability	3 ECTS
	Information and communication technology	3 ECTS
	Data analysis	3 ECTS
	Specialized program in maritime Law	6 ECTS

4. Nikola Vaptsarov Naval Academy (NVNA), Varna, Bulgary

	Nikola Vaptsarov Naval Academy https://www.unizd.hr/eng/
Location	ul. "Vasil Drumev" 73, 9002 Center, Varna, Bulgària
Faculty	Faculty of Navigation Faculty of Engineering
International Students	Erasmus+
Table courses in English	GNTM GTM
Addressed to	**GNTM** **GTM** **MUNGTM** **MUGOIEM**

Courses offered in English:

Curriculum Engineering
English Language
Calculus - Linear Algebra And Analytic Geometry
Calculus Mathematical Analysis - part I
Calculus Mathematical Analysis - part II
Calculus Mathematical Analysis - part III
Operation Of Ship Power Plants (SPP)
Engineering Drawing
Computer Sciences
Marine Diesel Engines
Marine Steam Boilers
Shipboard Auxiliary Machines And Systems
Shipboard Turbines
Machinery Components
Hydromechanics
Shipboard Manning And Safety
Strength Of Materials
Theoretical Mechanics
Theory Of Engines And Machinery
Thermodynamics
Physics
Automatic Control Of Ship Power Plants
Electrical Mechanics

Shipboard Electrical Equipment	3,4	9
Fundamentals Of Electrical Engineering	2	5
Power Electronics	3	3
Modern Systems For Control Of Main And Auxiliary Engines	4	3
Ship Engineering And Technological Maintenance	2,3,4	15
Engineering Materials	1	4
Industrial Chemistry	3	3
Ship Technical Maintenance And Repair	4	9
Technology Of Engineering Materials	3	6
Seamanship	1	2
Environment Pollution Prevention	4	1
Damage Control	4	4
Naval Architecture And Ship Construction	3	4
Physical Training And Sports	1, 2,3	5
Economics (to select from the list) 1. Introduction in micro-economics 2. Fundamentals of economics theory 3. Personnel management 4. Introduction in macro-economics	1	3
Information Technologies (to select from the list) 1. Programming systems for mathematical modeling 2. IT on the Internet	2	2
Psychology (to select from the list): 1. Social Behavior 2. Psychology in shipping 3. Engineering psychology and ergonomy 4. Psychology of extreme behavior.	1	3

ADDITIONAL COURSES

English Language	1	
English Language - intensive	4	
Maritime law	1	2
Russian language	3	
Physical Training And Sports	1,2,3,4	
Safety of shipping (ISPS code)		
Basic training on safety	1	

Curriculum Navigation		
Mathematical Basics of Navigation	1	5
Introduction to Maritime Law	1	2
Informatics	1,2	5
Mathematical Processing of Navigational Information	2	5
Physics	2	5
Technical Mechanics and Engineering Graphics	2	5
Electrical Engineering	3	4
Radio Electronics	3	5
Industrial Chemistry	2	2
English Language – (60,45,45,75)	1,2,3,4	32
Seamanship	1	3
Geodesy, Cartography and Piloting	4	3
Meteorolgy and Oceanography	3	4
Basics of Navigation	3,4	5
Astronavigation	3	4
Ship Radar Systems - ARPA		5
Electro Navigational Devises	4	4
Radio Navigational Devises	4	2
GMDSS - GOC		9
International Regulations for Preventing Collisions at Sea - 60	4	7
Ship Position Fixing		6
Maneuvering and Radar Navigation - 30	4,5	5
Ship Manoeuvring and Handling		7
Navigation in Special Conditions		4
Bridge Team Management		4
Ship Seaworthiness		3
ECDIS		3
Fleet Organization and Management	4	3
Ship Maintenance and Repair		3
Cargo Handling and Stowage		9
Commercial Fleet Management		4
Basic Safety Training	1	5
Proficiency in Personal Survival Techniques	x	
Fire Prevention and Fire Fighting	x	
Personal Safety and Social Responsibilities	x	
Elementary First Aid	x	
Proficiency in Security Awareness	x	
Ship Theory and Construction	3	7
Environmental Protection		2
Ship Service Regulations and Safety on Board	4	2
Safety of Shipping (ISPS Code)	4	1
Maritime Law		4
Physical Education and Sport	1,2,3,4	2
Ports	3	3
Ship Power Plants		2

Organizational Behaviour	1	3
Psychology of Crew Management	1	
Introduction to Microeconomics	2	3
Principles of Economics	2	
Company Management	3	3
Company Identity and Branding	3	
Decision Making Theory	4	3
Techniques of Choice and Management Techniques	4	
Risk Analysis and Risk Management in Shipping	4	
ADDITIONAL COURSES		
English	1,2	5
Sailing	2	1
Physical Training and Sport	1,2,3,4	6
Intensive Course in English (SE)		**2**

5. University of Zadar, Zadar, Croatia

	University of Zadar
Location	Ulica Mihovila Pavlinovića, 1, 23 000 Zadar
Department	Maritime Department
International Students	Student mobility
Table courses in English	Winter/Autumn Semester Spring/Summer Semester
Addressed to	**GNTM** **GTM**
	+ NO possibility of conducting TFE

Courses offered in English:

Maritime Department		
Voyage Planning	4 ECTS	Spring/Summer Semester
Marine Environment Protection	3 ECTS	Spring/Summer Semester Winter/Autumn Semester
Maritime Property Law	4 ECTS	Spring/Summer Semester
Marine Engines	6 ECTS	Spring/Summer Semester
Thermodynamics	7 ECTS	Winter/Autumn Semester

6. University of Dubrovnik, Dubrovnik, Croatia

	University of Dubrovnik
Location	Ul. Branitelja Dubrovnika 29, 20000, Dubrovnik, Croatia
Department	Department of Maritime Studies
International Students	International Relations
Table courses in English	Courses taught in English
Addressed to	**GNTM** **GTM** **MUNGTM** **MUGOIEM**

Courses offered in English depending of the Bachelor/Master:

BSc WINTER SEMESTER	
Container and ro-Ro Transport Technologies	4 ECTS
Passenger Transport Technology	4 ECTS
Maritime English I-1	4 ECTS
Maritime English II-1	4 ECTS
Maritime English III-1	4 ECTS
Electronic Navigation	5 ECTS
Ship Construction and Stability	6 ECTS
Cargo Handling and transportation I	6 ECTS

BSc SUMMER SEMESTER	
Dry Bulk Cargoes and Specialized Cargoes Transport Technology	4 ECTS
Maritime English I-2	4 ECTS
Maritime English II-2	4 ECTS
Cargoes in Marine Traffic	4 ECTS
Rules for Preventing Collisions at Sea	4 ECTS
Ship Construction and Stability II	6 ECTS
Cargo Handling and Transportation II	6 ECTS
Voyage Planning	4 ECTS

MSc WINTER SEMESTER	
Business Communication in Shipping 1	6 ECTS

MSc SUMMER SEMESTER	
Business Communication in Shipping 2	5 ECTS

Full course program: https://drive.google.com/file/d/1X4gg5GDzoSgGkMBvQvfz-bikoHSygqYB/view

7. University of Rijeka (UNIRI), Rijeka, Croatia

	University of Rijeka
Location	Studentska ul. 2, 51000, Rijeka, Croatia
Department	Faculty of Maritime Studies
International Students	International Relations Erasmus Faculty of Maritime Studies
Table courses in English	Courses taught in English
Addressed to	**GNTM** **GTM** **MUNGTM** **MUGOIEM**
	+ possibility of conducting TFE

Courses offered in English depending of the Bachelor/Master:

B. Sc. **NAUTICAL STUDIES AND MARITIME TRANSPORT TECHNOLOGY**	
Maritime English 1	5 ECTS
Marine Engineering Systems	4 ECTS
Maritime Administrative Law	3 ECTS
Maritime English 2	5 ECTS
Safety at Sea	5 ECTS
Ship Handling	5 ECTS
Container and Ro-Ro Transport	5 ECTS
B. Sc. Thesis	7 ECTS

B. Sc. **MARINE ENGINEERING AND MARITIME TRANSPORT TECHNOLOGY**	
English Language 1	4 ECTS
Material Technology and Processing	5 ECTS
Maritime Law	3 ECTS
English Language 2	3 ECTS
English Language 3	3 ECTS
Machinery Control and Crew Management	4 ECTS
English Language 4	2 ECTS
Sea and Marine Environment Protection	3 ECTS
Marine Auxiliary Systems	6 ECTS
Technical Supervision and Ship Classification	4 ECTS
Corrosion and Protection of Materials	4 ECTS

B. Sc. **MARINE ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY**	
English Language 1	3 ECTS
Fundamentals of Electrical Engineering 1	7 ECTS
Fundamentals of Electrical Engineering 2	7 ECTS
Electrical Measurements and Instrumentation	5 ECTS
English Language 2	3 ECTS

English Language 3	3 ECTS
Marine Propulsion Systems	5 ECTS
Computer Networks and Protocols	4 ECTS
Technology of Electrotechnical Materials	3 ECTS
English Language 4	3 ECTS
Maritime Law	3 ECTS
Micro and Personal Computers	5 ECTS
Electronic Navigation Devices	4 ECTS
Power Electronics	4 ECTS
Intelligent Transportation Systems	5 ECTS
B. Sc. Thesis	10 ECTS

B. Sc. **LOGISTICS AND MANAGEMENT IN MARITIME AFFAIRS AND TRANSPORT**	
English Language 1	3 ECTS
Trade Routes	5 ECTS
Economics Fundamentals	5 ECTS
English Language 2	3 ECTS
Information Technologies	6 ECTS
Logistics Engineering	6 ECTS
Electronic Commerce	4 ECTS
Transport Economics	5 ECTS
Maritime Administrative Law	4 ECTS

B. Sc. **TECHNOLOGY AND ORGANISATION OF TRANSPORT**	
Trade Routes	5 ECTS
Traffic Engineering and Microsimulation	5 ECTS
Maritime Administrative Law	4 ECTS
Seaport Management	6 ECTS

M. Sc. **NAUTICAL STUDIES AND MARITIME TRANSPORT TECHNOLOGY**	
Scientific Research Methodology	4 ECTS
International Maritime Safety Systems	5 ECTS
Integral and Multimodal Transport	5 ECTS
Environmental Law	4 ECTS
Marine Accidents Investigation	5 ECTS
Intelligent Transportation Systems	5 ECTS
M. Sc. Thesis	15 ECTS

M. Sc. **MARINE ENGINEERING AND MARITIME TRANSPORT TECHNOLOGY**	
Refrigerating Container Systems	5 ECTS
Cogeneration Plants	5 ECTS
Application of Numerical Methods in Engineering	6 ECTS
Project Task 2	5 ECTS

Intelligent Transportation Systems	5 ECTS

M. Sc. **MARINE ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY**	
Information Processing and Transmission	5 ECTS
Optoelectronic Systems	5 ECTS
Robotics	5 ECTS
Application of Mathematical Tools in Electrical Engineering	5 ECTS
Application of Maritime Radiocommunication Systems	5 ECTS
M. Sc. Thesis	30 ECTS

M. Sc. **LOGISTICS AND MANAGEMENT IN MARITIME AFFAIRS AND TRANSPORT**	
Public Management and Governance	4 ECTS
Scientific Research Methodology	4 ECTS
Supply Chain Management	6 ECTS
Economics and Organization of Maritime Passenger Transport	6 ECTS
Environmental Law	4 ECTS
Economics for Managers	6 ECTS
Business Information Systems	4 ECTS
Quality in Maritime Industry	4 ECTS
Maritime Common Good Usage and Coastal Zone Economics	4 ECTS
Designing and Planning of Ports and Terminals	4 ECTS
Project Management	5 ECTS
Modeling and Simulation	6 ECTS
Intelligent Transportation Systems	5 ECTS

M. Sc. **TECHNOLOGY AND ORGANISATION OF TRANSPORT**	
Quality in Maritime Industry	4 ECTS
Environmental Law	4 ECTS
Intelligent Transportation Systems	3 ECTS

8. Satakunta University of Applied Sciences (SAMK), Rauma, Finland

	Satakunta University of Applied Sciences
Location	Suojantie 2, 26100 Rauma, Finland
Campus	Campus Rauma
Addressed to	**GNTM**

It is not clear. At least until 2022 all GTM courses were not taught in English. A few of GNTM (Captain's Degree) courses are taught in English.

9. École Nationale Supérieure de Techniques Avancées (ENSTA), Brest, France

	École Nationale Supérieure de Techniques Avancées Bretagne
Location	2 Rue François Verny, 29200 Brest, France
International Students	Erasmus
Table courses in English	Courses BSc Courses MSc
Addressed to	**GESTN** **MUENO**

Exchange students must choose the semester and the track they are interested in and follow the whole predefined program of that semester. Which an entire semester is equal to 30 ECTS.

The Learning Agreement should only list the Teaching Unit (with its associated ECTS) and not the course details.

A B1 level minimum is required in French and English, most of the courses are taught in French but some are taught in English.

CORE CURRICULUM

Course units = CU

Semester 1	Semester 2
SYSTEMS MODELING	
Mathematics for Engineers	Probability and Statistics
Introduction to Programming	Informatics
Introduction to MATLAB	Partial Differential Equations and Wave Propagation
Analysis of Spatial Data	Signal Processing 2 ENG
Signal Processing 1	Data Bases
Continuum Mechanics	Incompressible Fluid Mechanics ENG
SCIENCES AND TECHNOLOGIES	
Technological Analysis	Manufacturing Processes ENG
Computer Aided Design	Materials
Mechanics of Rigid Bodies	Mechanics of Deformable Bodies
Sensors and measurement systems	Experimental Mechanics
Automatics 1	Digital electronics (Arduino)
Introduction to Digital Systems	Sensor-Actuator Loop
	Electrotechnology
	Introduction to Systems Engineering

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5
HUMAN AND SOCIAL SCIENCES, SPORT AND LANGUAGE LEARNING				
LL1 English	LL1 English	LL1 English	LL1 English	Choice of LL1/LL2
LL2 optional	LL2 optional	LL2 optional	LL2 optional	Sport
Sport	Sport	Sport	Open-air physical activities	Choice of Cultural Awareness Workshops
The Engineer and Society 1	The Engineer and Society 2	Financial analysis	Business games	Leadership
Internship Preparation	Big Challenge ENG		Optional Modules	
Personal Development 1	Personal Development		Research / Entrepreneurship projects	
Economics	Marketing			

OFFSHORE AND NAVAL ARCHITECTURE

SEMESTER 3	SEMESTER 4	SEMESTER 5
CU CORE SUBJECTS FOR MECHANICS	**CU CORE SUBJECTS**	**CU THEORY AND PRACTICE** ENG
• Mathematics ENG • Materials • Finite Elements	• Composites Materials • Plates and Beams • Vibrations	• Offshore and Naval Platforms • Ship design Loop
CU BASICS IN NAVAL ARCHITECTURE	**CU OFFSHORE AND NAVAL ARCHITECTURE**	**CU CORE SUBJECTS FOR OFFSHORE AND NAVAL ARCHITECTURE**
• Mechanical Engineering • Fluid Dynamics for Incompressible Flows • Naval architecture basics ENG • Ship stability	• Introduction to Ship Hydrodynamics • Advanced modeling in hydrodynamics and naval structures	• Maneuverability • Resistance and propulsion • Seaworthiness ENG • Naval Structure ENG
	CU SPECIFIC TO LONG SEMESTER*	**CU PROFILES**
	• Composites Materials • Torsion of girders • Motion Equations	**Offshore Platform Design Profile (CPO)** • Offshore Platform Design ENG • Issues in Offshore Engineering ENG **Advanced Naval Structures Profile (SNA)** • Fatigue • Advanced Naval Structures **Advanced Naval Hydrodynamics Profile (HNA)** • Advanced Naval Hydrodynamics • Sailboat Design

10. Nantes Université, Nantes, France

	Nantes Université
Location	1 Quai de Tourville, 44035 Nantes Cedex 1, França
Department	Marine Technology
International Students	Erasmushttps://www.uniwa.gr/en/the-university/international-collaborations/erasmus/
Degrees fully in English	MSc Hydrodynamics for Ocean Engineering MSc Atlantic Master on Ship Operation & Naval Engineering
Addressed to	**GTM** **GESTN** **MUGOIEM** **MUENO**

The following Master's are fully taught in English, in accordance, Erasmus students should be able to take any of the courses taught:

- MSc Hydrodynamics for Ocean Engineering (2 years)

Autumn Semester Courses	ECTS	Spring Semester Courses	ECTS
Continuum Mechanics	5	Fluid Mechanics 2	5
Fluid Mechanics 1	5	Mechanical Design	5
Algorithmics for Engineering Modelling	4	Energetics	5
Numerical Methods	5	Propulsion	5
Vibrations	5	Hydrodynamics	5
Business Environment	4	Conferences and Initiation to Research	3
Modern Languages *	2	Modern Languages *	2
Conferences	0		

Autumn Semester - Core Courses	ECTS
General concepts of hydrodynamics	4
Water waves and sea states modelling	4
Wave-structure interactions and moorings	5
Numerical hydrodynamics	5
Experimental hydrodynamics	5
Hydrodynamics R&D	5
Modern Languages *	2
Conferences	-

* 'French as Foreign Language' except for French native speakers who will study 'Cultural and Communicational English'
NB Course content may be subject to minor changes

Spring Semester	ECTS
Master thesis / internship	30

- MSc Atlantic Master on Ship Operation & Naval Engineering (2 years)

Autumn Semester Courses	ECTS	Spring Semester Courses	ECTS
Fluid Mechanics 1	5	Fluid Mechanics 2	5
Algorithmics for Engineering Modelling	4	Energetics	5
Maritime Initiation and Leadership	5	Hydrodynamics (basics)	4
Knowledge of Marine Environment	5	Training on Ship	2
Acoustics	4	Hydrodynamics	5
Numerical Methods	5	Propulsion	5
Modern Languages *	2	Electric Propulsion	2
Conferences	0	Modern Languages *	2

* 'French as Foreign Language' except for French native speakers who will study 'Cultural and Communicational English'

Autumn Semester Courses	ECTS
Training on Ship	4
Hydrodynamics (advanced)	6
Thermal Machines	6
Maritime and navigation knowledge	6
Labs in Hydrodynamics and Propulsion Systems	6
Modern Languages *	2
Project	0
Conferences	0

* 'French as Foreign Language' except for French native speakers who will study 'Cultural and Communicational English'

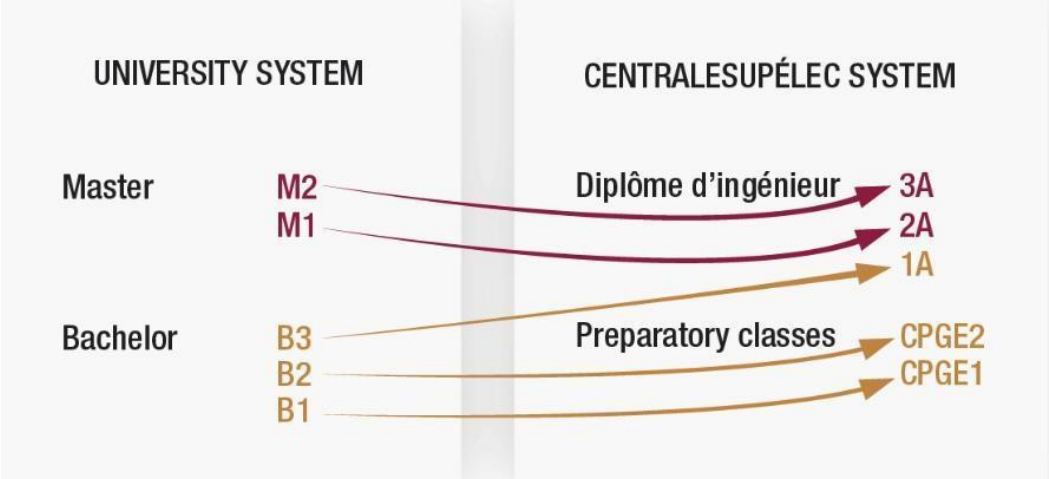
NB Course content may be subject to minor changes

Spring Semester	ECTS
Master thesis / internship	30

11. CentraleSupélec, Paris, France.

	CentraleSupélec
Location	CentraleSupélec, 3 Rue Joliot Curie, 91190 Gif-sur-Yvette, Francia
International Students	Information for incoming students
Addressed to	**GESTN** **MUENO**

They offered different courses taught in English for International students. But, their structure need to be understood as follows:



Therefore, to be eligible students need to have completed at least 3 years of higher education at a partner institution. Then:

-Students of bachelor that are in their last year, need to choose their courses in the First-year program catalogue (following link: https://www.centralesupelec.fr/sites/default/files/cat_2024_-_1a_-_en_v2.1.pdf)

-Students of Master either in one of the two years, need to choose their courses either in Second-year and Third-years program catalogue (respectively https://www.centralesupelec.fr/sites/default/files/cat_2024_-_2a_-_en_v1.pdf,https://www.centralesupelec.fr/sites/default/files/cat_3a_-_2024_-_en_-_v1.pdf)

12. University of West Attica, Athens, Greece

	University of West Attica
Location	Agiou Spiridonos 28, Egaleo 122 43, Greece
Department	Department of Naval Engineering
International Students	Erasmus+
Course catalogues	Course Catalogue and Course Catalogue (Naval)
Addressed to	**GESTN** **GTM**

Courses offered in English:

Degree in Naval Architecture and Marine Engineering	
Mechanical Engineering Drawing and Introduction To MCAD	4 ECTS
Introduction To Computer Programming	4 ECTS
Technical English	3 ECTS
Ship Lines Drawing and Introduction To CASD	5 ECTS
Naval Materials Technology	4 ECTS
Machine Elements	5 ECTS
Fluid Mechanics	5 ECTS
Thermodynamics	4 ECTS
Manufacturing Processes	5 ECTS
Ship Resistance - Propulsion – Ship Hydrodynamics	5 ECTS
Ship Propulsion Plants	5 ECTS
Longitudinal Strength of Ships	5 ECTS
Ship Welding	4 ECTS
Heat Transfer	4 ECTS
Ship Engine Room Systems and Equipment	5 ECTS
Ship Design	6 ECTS
Static Analysis of Marine Structures	5 ECTS
Maritime Transport Economics	4 ECTS
Steam Boilers, Steam Turbines and Applications in Marine Engineering	5 ECTS
Ship Construction Drawings	4 ECTS
Ship Building Technology	5 ECTS
Small Craft Technology	5 ECTS
Classification Societies Rules	4 ECTS
Special Topics in Shipbuilding Materials	4 ECTS
Corrosion-Protection and Maintenance of Naval Structures	4 ECTS
Refrigeration - Air Conditioning	4 ECTS
Business Administration and Management and Entrepreneurship	4 ECTS
Port Management and Operations	4 ECTS
Floating Offshore Structures	6 ECTS
Dynamics And Vibrations of Marine Structures	6 ECTS
Fuels And Lubricants Technology	4 ECTS
Deck Equipment and Steering Systems	4 ECTS
Risk Assessment and Risk Management in Shipping	4 ECTS
Safety, Quality and Environment in Shipping	4 ECTS
Damaged Stability of Ships	6 ECTS
Dynamic Ship Stability	4 ECTS
Mooring Systems of Offshore Structures	4 ECTS

Supply Chain in Maritime Transport	4 ECTS

13. Universita degli Studi di Genova (UniGe), Genova and l'Spezia, Italy

	Universita degli Studi di Genova
Location	Agiou Spiridonos 28, Egaleo 122 43, Greece
Department	Department of Naval Engineering
International Students	Erasmus+
Addressed to	**GESTN** **MUENO**

Allegedly, there is a considerable amount of courses taught in English, although the study plan was not found.

14. Latvian Maritime Academy, Riga, Letonia

	Latvian Maritime Academy
Location	Flotes iela 5B, Kurzemes rajons, Rīga, LV-1016, Letonia
Incoming Mobility	Erasmus +
Table courses in English	Courses in English
Addressed to	**GNTM** **GTM (+mention in electrotecnics)**

Courses offered in English depending of the Bachelor:

Maritime Transport-Navigation & Port and Shipping Management	Psychology of Human Relations	3 ECTS
	History of Latvian Shipping	3 ECTS
	Personnel, Bridge Team and resource management (for navigators)	3 ECTS
	Transport Economics	1.5 ECTS
	Labour Safety and legislation	1.5 ECTS
	Electrical Engineering and Electronics	3 ECTS
	Physics	3 ECTS
	Engineering Design	1.5 ECTS
	Maritime Law	3 ECTS
	Maritime English	3, 6 or 4.5 ECTS
	Ship Management	1.5 ECTS
	Chemistry	1.5 ECTS
	Mathematics	4.5 ECTS
	Mechanical Science	1.5 ECTS
	Celestial Navigation	1.5 or 3 ECTS
	Maritime Safety	3 ECTS
	Marine Power Plant and Electrical Equipment	1.5 ECTS
	Technology of Cargo Transportation	4.5 ECTS
	Watch-keeping	1.5 ECTS
	Ship Theory	1.5 ECTS
	Ships Construction and Operations	3 ECTS
	Ship Handling, Maneuvering and SAR	1.5 ECTS
	Terrestrial Navigation, CP***	3 ECTS
	Navigation Meteorology	1.5 ECTS
	Radio-navigation and Communication Hardware	1.5 ECTS
	Environment Maritime Protection	1.5 ECTS
	Information Technology	3 ECTS
	Business English	3 ECTS
	Shipping Agency	1.5 ECTS
	Commercial Ship Management	1.5 ECTS
	Ship Technical Management	3 ECTS
	Multimodal Transportation	3 ECTS
	Port Cargo Handling Equipment	3 ECTS
	Port and Terminal operations	3 ECTS
Maritime Transport-Marine Engineering	Engine Room Resource Management	4 ECTS
	Marine Diesel Engines and Turbines	1.5 ECTS
	Marine Electrical Engineering and Electronics	1.5 or 3 ECTS

	Marine Auxiliaries and Systems	1.5 or 3 ECTS
	Ship Technical Management	1.5 ECTS
	Water Fuels and Lubricants Management on board	3 ECTS
	Computer Aided Design 1 (AutoCAD)	1.5 ECTS
	Engine Room Simulator	3 ECTS
	Workshop practice	6 or 3 ECTS
Maritime Transport –Marine Electrical Automation	Computer Science and Programming	3 ECTS
	Electrical Machines	3 or 4.5 ECTS
	Electrical Engineering	4.5 ECTS
	Workshop practice	4.5 ECTS

15. Klaipéda University (KU), Klaipeda, Lithuania

	Klaipéda University (KU)
Location	H. Manto g. 84, Klaipeda 92294, Lithuania
Faculty	Faculty of Marine Technologies and Natural Sciences
Incoming Mobility	Erasmus +
Table courses in English	Courses in English
Addressed to	**GTM** **GESTN** **MUGOIEM** **MUENO**

+ students can't chose >32 ECTS

Courses taught in English:

Bachelor	Theory of Machines Mechanisms with Course Project	4 ECTS
	Probability Theory and Applied Statistics	5 ECTS
	Physics 2	4 ECTS
	Computer – aided Design	6 ECTS
	Optional Subjects	6 to 13 ECTS
Master	Hydromechanics	5 ECTS
	Manufacturing Technology with Course Project	5 ECTS
	Machine Elements	4 ECTS
	Interchangeability and Measurement with Course Project	6 ECTS
	Strategic Communication	
	Sustainable Communication	4ECTS
	Machinery Dynamics and Diagnosis	5 ECTS
	Quality Management	3 ECTS
	Fundamentals of Mechanical Systems Automatic Control	5 ECTS

16. Molde University College, Molde, Norway

	Molde University College
Location	Britvegen 2, 6410 Molde, Norway
International Office	Exchange
Addressed towards	**GNTM (logistics)** **MUNGTM (logistics)**

Courses offered in to Erasmus students:

Logistics and Supply Chain Management		
Management models in logistics	7.5 ECTS	BSc
Quality management/management for change	7.5 ECTS	BSc
Applied decision analysis	7.5 ECTS	BSc
International transportation and distribution	7.5 ECTS	BSc & MSc
Transport economics	7.5 ECTS	BSc
European transport policies	7.5 ECTS	BSc
Green logistics	7.5 ECTS	BSc & MSc
Transport, localization and economic development	7.5 ECTS	BSc
Distribution planning	7.5 ECTS	BSc
Digital Business Management	7.5 ECTS	BSc

17. University College of Southeast Norway (USN), Kongsberg, Norway

	University College of Southeast Norway
Location	Vestfold: Raveien 215, 3184 Borre Kongsberg: University of South-Eastern Norway, Hasbergsvei 36, Krona, Hasbergs vei 36, 3616 Kongsberg
Campus	Vestfold Kongsberg
International Office	Exchange
Addressed towards	**GESTN** (Kongsberg) **GNTM** (Vestfold) **MUENO** (Kongsberg) **MUNGTM** (Vestfold)

Allegedly, there is a considerable amount of courses taught in English, although the study plan was not found.

18. Western Norway University of Applied Sciences (HVL), Bergen, Norway

	Western Norway University of Applied Sciences
Location	Inndalsveien 28, 5063 Bergen
Campus	Haugesund
International Office	Exchange
Addressed towards	**GNTM** **MUNGTM** **+some courses might be suited for GTM**

Courses offered in English

Bachelor	
Fire Engineering Simulations	10 ECTS
Professional Placement Learning 1 -Laboratory	10 ECTS
Professional Placement Learning 2 -Laboratory	20 ECTS
Maritime English	5 ECTS
Tank operations	10 ECTS

Master	
Advanced Fire Dynamics	10 ECTS
Advanced Fire and Egress Modelling	10 ECTS
Industrial Fire Safety	10 ECTS
Building Fire Safety	10 ECTS
Professional Placement Learning 1 - Laboratory	10 ECTS
Professional Placement Learning 2 - Laboratory	20 ECTS
Safety and Human Factors	10 ECTS
Modern ship design: Safety, Limitations and Hazards	10 ECTS
Maritime Operations	10 ECTS
Subsea Systems and Operations	10 ECTS
Ship Operation and Maintenance Management	10 ECTS

19. Escola Superior Náutica Infante D. Henrique (ENIDH), Lisboa, Portugal

	Escola Superior Náutic Infante D. Henrique
Location	Avenida Eng. Bonneville Franco, 2770-058 Paço de Arcos, Portugal
International Students	Erasmus +
Addressed to	**GNTM** **GTM** **MUNGTM** **MUGOIEM**

In the Erasmus directory it is stated that degree courses are in: English/Portuguese

20. Instituto Superior Técnico-Universidad de Lisboa, Lisboa, Portugal

	Instituto Superior Técnico-Universidad de Lisboa
Location	Avenida Rovisco Pais 1, 1049-001 Lisboa, Portugal
Faculty	Naval Architecture and Ocean Engineering
International Students	Erasmus
Addressed to	**GESTN** **MUENO**

No courses offered in English were found. Although it is stated the following: 'The programme is taught in Portuguese however may there be international or mobility students enrolled, the curricular units will be taught in English.'

21. Gydnia Maritime University, Gydnia, Poland

	Gydnia Maritime University
Location	Morska 81/87, 81-225 Gydnia, Poland
Faculty	Faculty of Navigation Faculty of Marine Engineering
International Students	Erasmus +
Courses in English	Study Programmes Faculty of Navigation 2022/2023 Faculty of Marine Engineering 2022/2023
Addressed to	**GNTM** **GTM** **(Some courses of Faculty of Maritime Engineering might be fitted for GESTN too)**

Courses offered in English 2022/2023:

Faculty of Navigation	
English	3 ECTS
Navigation	3 ECTS
Celestial Navigation	2 ECTS
Navigational Equipment	4 ECTS
Construction and Stability of Ship	3 ECTS
Ship Safety Management and Operation	3 ECTS
Sea Communication	2 ECTS
GIS - ECDIS	2 ECTS
Cargo Handling and Stowage	4 ECTS
Ship handling	4 ECTS
Ship management	2 ECTS

Faculty of Maritime Engineering	
English	1 ECTS
Fundamentals of Control Engineering & Robotics	2 ECTS
Fundamentals of Electrotechnics & Electronics I	3 ECTS
Fundamentals of Machine Elements Design & CAD I	3 ECTS
Fundamentals of Manufacturing Engineering I	3 ECTS
Fundamentals of Manufacturing Engineering III	4 ECTS
Industrial Control Systems	3 ECTS
Internal Combustion Engines	3 ECTS
Machine Elements - design exercises II	2 ECTS
Machining Processing of Materials	3 ECTS
Management of Maintenance Services	2 ECTS
Marine Auxiliary Machines & Equipment II	3 ECTS
Marine Internal Combustion Engines II	2 ECTS
Marine Power Plants II	2 ECTS

Marine Propulsion Plant	2 ECTS
Marine Refrigeration & Air Conditioning I	2 ECTS
Marine Turbines	4 ECTS
Material Science I	2 ECTS
Material Science III	2 ECTS
Metrology & Measurement Systems	3 ECTS
Naval Architecture & Ship Construction I	3 ECTS
Occupational Safety and Ergonomics	2 ECTS
Programming of Technological Machines	2 ECTS
Protection of Intellectual Property	1 ECTS
Repair Engineering I	2 ECTS
Simulation and Data Processing	2 ECTS
Strength of Materials	4 ECTS
Technical Diagnostics	1 ECTS
Thermodynamics I	4 ECTS
Turbines I	4 ECTS
Water, Fuel & Lubricants	4 ECTS
Engineering Graphics I	4 ECTS
Engineering Mechanics I	4 ECTS
English	1 ECTS
Fluid mechanics	3 ECTS
Fundamentals of Control Engineering & Robotics I	2 ECTS
Fundamentals of Informatics	3 ECTS
Fundamentals of Machine Elements Design & CAD II	2 ECTS
Fundamentals of Machine Operation & Maintenance I	1 ECTS
Fundamentals of Manufacturing Engineering II	2 ECTS
Machine Elements - design exercises I	2 ECTS
Marine Auxiliary Machines & Equipment I	2 ECTS
Marine Boilers I	3 ECTS
Marine Internal Combustion Engines I	2 ECTS
Marine Power Plants I	2 ECTS
Material Science II	3 ECTS
Strength of Materials II	3 ECTS
Thermodynamics II	3 ECTS
Welding	2 ECTS

22. Maritime University of Szczecin, Szczecin, Poland

	Maritime University of Szczecin
Location	Waly Chrobrego ½, 70-500 Szczecin, Poland
Faculty	Faculty of Navigation Faculty of Marine Engineering Faculty of Mechatronics and Electrical Engineering
International Students	Erasmus +
Courses in English	Academic offer Navigation 2021/2022 Maritime Engineering 2021/2022
Addressed to	**GTM** **GESTN** **MUGOIEM** **MUENO**

Courses offered in English:

Faculty of Navigation	
English	2 ECTS
Health and Safety on Board Ship	1 ECTS
Information Technologies (module 1)	1 ECTS
Mathematics (module 1)	7 ECTS
Physics (module 1)	5 ECTS
Computer Science (module 1)	2 ECTS
Electrical Engineering and Electronics (module 1)	2 ECTS
Machine Construction and Engineering Graphics	3 ECTS
Navigation (module 1)	2 ECTS
Aids to Navigation (Navigational Equipment) (module 1)	2 ECTS
Ship's Construction and Stability (module 1)	2 ECTS
Maritime Transport Security	1 ECTS
Navigation (module 3)	5 ECTS
Ship Construction and Stability (module 3)	3 ECTS
English (module 3)	2 ECTS
Aids to Navigation (Navigational Equipment module 3)	2 ECTS
Cargo Handling (module 1)	1 ECTS
Maritime Law (module 1)	1 ECTS
Mathematics (module 3)	7 ECTS
Meteorology and Oceanography (module 2)	2 ECTS
Safety of Navigation (module 2)	1 ECTS
Maritime Environment Protection	2 ECTS
Geographic Information System	2 ECTS
Introduction to Maritime Sociology	1 ECTS
Technical Fleet Operation	1 ECTS
Navigation (module 5)	3 ECTS
Maritime Search and Rescue	4 ECTS

Marine Communication (module 2)	2 ECTS
Cargo Handling (module 3)	3 ECTS
Ship Safety	2 ECTS
Ship Maneuvering (module 2)	2 ECTS
Spanish (module 2)	2 ECTS
Marine Power Plants	2 ECTS
Automation	2 ECTS
Ship Management (module 2)	2 ECTS
Ship Surveys Maintenance and Repairs (module 2)	2 ECTS
Ship Inspections	2 ECTS
Aids to Navigation (Navigational Equipment)	2 ECTS
Diploma Seminar	1 ECTS

Faculty of Marine Engineering & Faculty of Mechatronics and Electrical Engineering	
Introduction to maritime sociology	1 ECTS
Information technology (semester 1)	1 ECTS
Mathematics (semester 1)	7 ECTS
Mathematics (semester 3)	7 ECTS
Physics (semester 1)	5 ECTS
Computer science (semester 1)	2 ECTS
Automation FN	2 ECTS
Electrical and electronic engineering (semester 1)	2 ECTS
Machine construction and engineering graphics (semester 1)	3 ECTS
Electrical engineering	3 ECTS
Power-electronics	3 ECTS
Electronics	3 ECTS
Automation FMEE	3 ECTS
High voltage lecture	3 ECTS
High voltage laboratories	3 ECTS
Repair technology I	2 ECTS
Use of fuels and lubricants	2 ECTS
Refrigeration and air Conditioning	5 ECTS
Marine power plants I	5 ECTS
Introduction to ship construction and crew organization	2 ECTS
Ecological aspects of ship operation	5 ECTS

23. West Pomeranian University of Technology, Szczecin, Poland

	West Pomeranian University of Technology
Location	41 Piastów Avenue, 71-065 Szczecin
Faculty	Faculty of Maritime Technology and Transportation Courses of study: - Ocean Technology - Transport - Safety engineering - Yacht building - Refrigeration and air conditioning Postgraduate studies: - Designing yachts and sport boats - Traffic engineering
International Students	International Mobility Office
Table courses in English	List of courses Faculty of Maritime Technology and Transport
Addressed to	**GESTN** **GTM** **GNTM (logistics)** **MUGOIEM** **MUENO**
	+ possibility of conducting TFE

Courses offered in English:

Automotive Painting Technology	6 ECTS
Auxiliary Machinery in Marine Power Plants	6 ECTS
Cost-Benefit Analysis and Optimization	6 ECTS
Cost-Benefit Analysis and Optimization in Logistics and Transport	6 ECTS
Cost-Benefit Analysis and Optimization of Business Projects in Marine Industry	6 ECTS
Data Analysis, Interpretation and Presentation	6 ECTS
Design of Ship and Offshore Structures	6 ECTS
End of Grade project	12 ECTS
Equipment of Ship and Offshore Structures	3 ECTS
Ergonomics in the Design and Operation of the Ship	6 ECTS
Fire Safety Management on the Ships	6 ECTS
Intermodal Transport	6 ECTS
Logistics	6 ECTS
Marine Power Engineering	3 ECTS
Maritime Transport	3 ECTS
Master Thesis	12 ECTS
Offshore Wind Power Engineering	6 ECTS
Oil Tanker Equipment and Service	6 ECTS

Optimization Approach to Statistical Decision-Making	6 ECTS
Piping Systems	6 ECTS
Practical Methods of Optimization	6 ECTS
Practical Methods of Transportation and Logistics Optimization	6 ECTS
Production Technology of Ship and Offshore Structures	6 ECTS
Refrigeration and air conditioning systems	6 ECTS
Refrigeration basics	6 ECTS
Research Methods & Thesis Preparation	15 ECTS
Seaports and Logistics Centers Operation	6 ECTS
Ship and Offshore Structures	6 ECTS
Ship Equipment	6 ECTS
Ship Hydraulics and Pneumatics	6 ECTS
Ship Hydrostatics and Stability	6 ECTS
Ship Structural Mechanics	6 ECTS
Ship Structural Optimization	6 ECTS
Strength of Materials	6 ECTS
Systems Engineering	6 ECTS
Technology of Ship and Offshore Structures	6 ECTS
Thesis Preparation	3 ECTS
Transport Infrastructure	6 ECTS
Unconventional Energy Sources	6 ECTS
Watercraft	6 ECTS

24. KTH Royal Institute of Technology, Stockholm, Sweden

	KTH Royal Institute of Technology
Location	Brinellvägen 8, 114 28 Stockholm, Sweden
International Students	Exchange
Table courses in English	Courses for exchange student
Addressed to	**GESTN** **MUENO**
	+ possibility conducting TFE *(depending on the teachers'/projects' availability. Student has to look for tutor)*

KTH is a big Institute that provides an extensive range of courses. If you are interested, you should follow this link and check these there.

Also, via the School of Eng Sciences.

25. SIMAC, Svendborg, Dinamarca.

	SIMAC
	Nordre Havnevej 4, 5700 Svendborg, Dinamarca
International Students	Information for incoming students
Addressed to	**GESTN** **GTM** **MNGTM**

MNGTM	Nautical Science I, II, III, IV	10, 10,5,5 ECTS
	Ship Technology I, II	10,10 ECTS
	Ship Operation I, II	5,3 ECTS
	Shipping Commerce	5 ECTS
	Interdisciplinary Management Project	5 ECTS
	Energy Efficient ship operation	2 ECTS
	Offshore support operation	3 ECTS
	Shipping and chartering	2 ECTS
	Advanced English	2 ECTS
	Innovation and Entrepreneurship I+II	5 ECTS

Full master courses program on: https://simac.dk/media/3080/studieplaner-for-skibsfoerer-version-610-af-1-februar-2022-1349.pdf

B. Sc. Marine engineering	Thermal machinery I	10 ECTS
	Operation and maintenance management	5 ECTS
	Electrical and electronic machinery.	5 ECTS
	Process Analysis and Automation	5 ECTS
	Sustainable business Development	2 ECTS

Full program on: https://simac.dk/media/3084/studieplaner-for-maskinmester-version-610-af-1-februar-2022-1348.pdf

B. Sc. Marine technology	Thermal machinery and systems	5 ECTS
	Safety and seamanship	15 ECTS
	Electrical and electronic machinery	5 ECTS
	Process Analysis and Automation -	5 ECTS
	Sustainable business Development	5 ECTS
	Nautical Science I	10 ECTS
	Bridge Watchkeeping Duty (FMB Simulator Assessment)	? ECTS
	Ship Technology I	10 ECTS
	Maritime Law and HSRQ	7,5 ECTS
	Watchkeeping Duty in Engine Room FMM Simulator Assessment) Navigation	? ECTS

Full program on: https://simac.dk/media/3081/studieplaner-for-skibsofficer-version-610-af-1-februar-2022-1350.pdf

26. Romanian Naval University, Constanta, Romania.

	Academia Navală "Mircea cel Bătrân"
Location	Strada Fulgerului 1, Constanța 900218, Rumanía
International Students	Information for incoming students
Addressed to	**GNTM** **GESTN** **GTM (oferta més limitada)**

They state two different main fields: Marine engineering and Navigation. They offered many different courses for incoming students of each field. All of them available on the following link:

https://www.anmb.ro/eng/files/ri/incoming_students/Course%20catalog%20Civilian%20students%202023-2024.pdf

27. NHL Stenden, Netherland.

	NHL Stenden
Location	Rengerslaan 8-10, 8917 DD Leeuwarden, Países Bajos
International Students	Information for incoming students
Addressed to	**GNTM** **GESTN (Logistics)**

They offer several courses (package of several courses) that need to be done together in one semester, in the spring semester. These courses are related to Logistics and Navigation.

The subjects that will be handled during the minor consist of:

Dredge Operations, Stability for ships an MOU's, Anchor Handling, Offshore operations, Subsea Operations, Shore Operations, Offshore Survey Systems Dynamic Positioning Operations, Offshore Safety, Project management and Thesis.

Information available on: https://www.nhlstenden.com/en/minors/sustainable-offshore-and-dredging-operations-nautical

Requirements:

-Maritime students that have earned 120 ECTS in their first 3 years.

-Maritime students that have been to sea at least 75 days.

28. Ordu University-Fatsa Marine Sciences, Ordu, Turkey

	Ordu Universuty
Location	Evkaf, Arslan Aydinlik Cd. 1A, 52400 Fatsa/Ordu, Turkey

Information was not found.

29. Istambul Teknik Üniversitesi (ITÜ), Istambul, Turkey

	Istanbul Teknik Üniversitesi
Location	Maslak, 34467 Sariyer/Istanbul, Turkey
Faculty	Maritime Faculty Faculty of Naval Architecture and Marine Sciences
International Students	Erasmus
Table courses in English	BSc MSc
Addressed to	**GNTM** **GTM** **GESTN** **MUNGTM** **MUGOIEM** **MUENO**

Courses offered in English depending of Bachelor or Master:

Maritime Transportation Management Engineering (BSc)	
Mathematics I	4 ECTS
Physics I	3 ECTS
Physics I Laboratory	1 ECTS
Physical Education	0
Turkish I	2 ECTS
Maritime Chemistry	2 ECTS
Maritime Chemistry Laboratory	1 ECTS
Seamanship	4 ECTS
Introduction to Maritime Transportation Management Engineering	1.5 ECTS
Mathematics II	4 ECTS
Physics II	3 ECTS
Physics II Laboratory	1 ECTS
Technical Drawing	1.5 ECTS
Maritime Safety and Security	2.5 ECTS
Introduction to Navigation	2.5 ECTS
Watchkeeping I	2 ECTS
Intro. to Computer and Inf. Systems	1.5 ECTS
Turkish II	2 ECTS

Marine Communication	2 ECTS
Marine Communication Laboratory	1 ECTS
Meteorology	2 ECTS
Terrestrial Navigation	3 ECTS
Ship Construction and Stability	3 ECTS
Maritime English I	2.5 ECTS
Onboard Training I	0
Differential Equations	2 ECTS
Linear Algebra	2 ECTS
Maritime Conventions	2 ECTS
Cargo Handling and Stowage I	2 ECTS
Electronic Navigation	2.5 ECTS
Maritime English II	2 ECTS
Ship Emergency Response	1.5 ECTS
Marine Electronics	1.5 ECTS
Economics	3 ECTS
Intro.to Scientific & Eng. Computing	3 ECTS
Maritime Practical Studies	2.5 ECTS
E-Navigation Systems	2.5 ECTS
Maritime Law I	2 ECTS
Watchkeeping II	2 ECTS
Celestial Navigation	2.5 ECTS
Technical Ship Management	2 ECTS
Onboard Training II	0
Onboard Training III	15 ECTS
Ship Surveying Procedures	2 ECTS
Ship Handling and Maneuvering	2.5 ECTS
Marine Engines	2 ECTS
Commercial Ship Management	2 ECTS
Cargo Handling Stowage II	2.5 ECTS
Research Method and Statistics	2.5 ECTS
Cargo Handling Simulator	1 ECTS
Graduation Project	3 ECTS
Meteorology and Oceanography	1.5 ECTS
Ship Management and Leadership	2.5 ECTS
Maritime Security and Quality Management Systems	2 ECTS
Maritime Law II	3 ECTS
Maritime Safety	2 ECTS

Maritime Transportation Management Engineering (BSc)	
Mathematics I	4 ECTS
Physics I	3 ECTS
Physics I Laboratory	1 ECTS
Physical Education	0
Turkish I	2 ECTS
Maritime Chemistry	2 ECTS
Maritime Chemistry Laboratory	1 ECTS
Seamanship	4 ECTS

Introduction to Maritime Transportation Management Engineering and Ethics	1.5 ECTS
Mathematics II	4 ECTS
Physics II	3 ECTS
Physics II Laboratory	1 ECTS
Technical Drawing	1.5 ECTS
Maritime Safety and Security	2.5 ECTS
Introduction to Navigation	2.5 ECTS
Watchkeeping I	2 ECTS
Intro. to Computer and Inf. Systems	1.5 ECTS
Turkish II	2 ECTS
Marine Communication	2 ECTS
Marine Communication Laboratory	1 ECTS
Meteorology	2 ECTS
Terrestrial Navigation	3 ECTS
Ship Construction and Stability	3 ECTS
Maritime English I	2.5 ECTS
Onboard Training I	0
Differential Equations	2 ECTS
Linear Algebra	2 ECTS
Maritime Conventions	2 ECTS
Cargo Handling and Stowage I	2 ECTS
Electronic Navigation	2.5 ECTS
Maritime English II	2 ECTS
Ship Emergency Response	1.5 ECTS
Marine Electronics	1.5 ECTS
Economics	3 ECTS
Intro.to Scientific & Eng. Computing	3 ECTS
Maritime Practical Studies	2.5 ECTS
E-Navigation Systems	2.5 ECTS
Maritime Law I	2 ECTS
Watchkeeping II	2 ECTS
Celestial Navigation	2.5 ECTS
Technical Ship Management	2 ECTS
Onboard Training II	0
Onboard Training III	15 ECTS
Ship Surveying Procedures	2 ECTS
Ship Handling and Maneuvering	2.5 ECTS
Marine Engines	2 ECTS
Commercial Ship Management	2 ECTS
Cargo Handling Stowage II	2.5 ECTS
Research Method and Statistics	2.5 ECTS
Cargo Handling Simulator	1 ECTS
Graduation Project	3 ECTS
Meteorology and Oceanography	1.5 ECTS
Ship Management and Leadership	2.5 ECTS
Maritime Security and Quality Management Systems	2 ECTS
Maritime Law II	3 ECTS
Maritime Safety	2 ECTS

Shipbuilding and Ocean Engineering (BSc)	
Introduction to Naval Architecture and Ocean Engineering	2 ECTS
General Chemistry I	3 ECTS
General Chemistry I Laboratory	1 ECTS
Intro. to Computer and Inf. Systems	1.5 ECTS
Linear Algebra	3 ECTS
Mathematics I	4 ECTS
Physics I	3 ECTS
Physics I Laboratory	1 ECTS
Technical Drawing	2 ECTS
Mathematics II	4 ECTS
Mathematics II	3 ECTS
Physics II Laboratory	1 ECTS
Statics	3 ECTS
Intro.to Scientific & Eng. Computing	3 ECTS
Differential Equations	4 ECTS
Dynamics	3 ECTS
Ship Geometry	2 ECTS
Materials Science	3 ECTS
Strength of Materials I	3 ECTS
Numerical Methods	3 ECTS
Economics	3 ECTS
English III	3 ECTS
Strength of Materials II	3 ECTS
Thermodynamics	3 ECTS
Probability and Statistics	3 ECTS
Fluid Mechanics	4 ECTS
Maritime Law	2 ECTS
Construction of Ship and Offshore Structures	3.5 ECTS
Ship Theory	3 ECTS
Advanced Manufacturing Processes	2.5 ECTS
Marine Engines and Auxiliaries	3 ECTS
Resistance of Ship and Offshore Structures	2 ECTS
Ship Design	3 ECTS
Oceanography	3 ECTS
Marine Structures Project I	1 ECTS
Underwater Acoustics	2 ECTS
Ship Propulsion	2 ECTS
Hydrodynamics of Ships and Offshore Structures	3 ECTS
Strength of Ships & Offshore Structures	3 ECTS
Methods of Ship Production	3 ECTS
Graduation Project	3 ECTS
Marine Structures Project II	1 ECTS
Shipyard Organization	2 ECTS
Ship Model Testing and Oceanography Laboratory	2 ECTS

Naval Architecture and Marine Engineering (MSc)
Numerical Techniques for Engineering Problems
Aero-Hydrodynamics of Sailing and Motor Yachts

Ship Stability and Safety
Applied Experimental Methods in Naval Architecture
Production Planning and Shipyard Information Systems
Boundary Element Methods in Ship Hydrodynamics
Marine Diesel Engines Simulation and Control
Hydrodynamics of Floating Bodies
Special Topics in Naval Architecture and Marine Engineering
Applied Finite Element Methods
Scientific Research, Ethic and Seminar
Effects of Cavitation and Noise on Propeller Design
Enclosure Fire Dynamics
Advanced Topics in Naval Architecture and Marine Engineering
Spectral Fatigue Design of Ship Structures
Scientific Research, Ethic and Seminar

Maritime Studies (MSc)
Applied Project Management in Maritime Studies
Scientific Research, Ethic and Seminar
European Union and Its Transportation-Maritime Policies
Maritime Environmental Management
Maritime Security Intelligence
Energy Management in Maritime Sector
Maritime Governance and Policy-Making
Liner Ship Fleet Planning
International Law of the Sea
Maritime Psychology

Maritime Transportation Engineering (MSc)
Engineering Mathematics
Analysis of Chartering Law
Maritime Organizations
Maritime Transportation Economics
Maritime Safety Engineering
Ship Control Systems
Maritime Remote Sensing Applications
Yachting and Marina Management
Maritime Environment Management
Maritime Technology and Innovation
Ship Maintenance Management
Maritime Simulator Studies
Maritime Logistics
Alternative Fuels in Maritime Transportation
Yachting and Marina Management
Marine Tourism and Cruise Shipping Management
Maritime Container Transportation
Marine Engine Design and Principles
Financial Analysis in Shipping

Environmental Management in Marine Operations
Troubleshooting Modelling in Marine Systems
Advanced Topics in Maritime Transportation Engineering
Machine Learning in Maritime Industry
Modelling and Simulation in Maritime
Analysis of Technical Shipping Management Processes
Maritime Human Element Research Methodologies
Maritime Organization Management
Maritime Human Element Research Methodologies
Scientific Research, Ethic and Seminar

30. Karadeniz Technical University, Trabzon, Turkey

	Karadeniz Technical University
Location	Üniversite, 61080 Ortahisar/Trabzon, Turkey
Department	Department of Naval Architecture and Marine Engineering
International Students	Exchange
Table courses in English	Offered courses for Erasmus+ students
Addressed to	**GNTM** **GTM** **GESTN**

Courses offered in English:

Maritime Transportation and Management Engineering	
Maritime chemistry	3 ECTS
Navigation 1	4 ECTS
Seamanship 1	4 ECTS
English 1	3 ECTS
Ship construction	2 ECTS
Technical drawing	4 ECTS
English for deck officer 2	3 ECTS
Safety at sea 3	4 ECTS
Chartering and brokering	5 ECTS
Cargo handling and ship stability	5 ECTS
Safety at sea 1	3 ECTS
Seamanship 2	4 ECTS
Navigation 2	4 ECTS
English 2	3 ECTS
Ship stability	2 ECTS
Safety at sea 2	3 ECTS
English for deck officers 1	3 ECTS
Maritime English	3 ECTS
Ship handling	5 ECTS

The following courses are offered to incoming students, however, these are taught in Turkish. Although the university states the following: *'necessary help in English and homework can be given for Erasmus+ students'.*

Naval Architecture and Marine Engineering	
Ship Resistance	6 ECTS
Ship Machinery 1	6 ECTS
Interior Design of Ships	4 ECTS
Ship Geometry	5 ECTS
Shipyard Information Flow	7.5 ECTS
Ship Strength	6 ECTS
Ship Theory	5 ECTS
Ship Propulsion	6 ECTS
Ship Components	5 ECTS
Model Making in Naval Architecture	3 ECTS
Technical English 1	4 ECTS
Deck Equipment	6 ECTS
Ship Design	6 ECTS

31. University of Strathclyde, Glasgow, United Kingdom

	University of Strathclydehttps://utp.ac.pa/
Location	16 Richmond St, Glasgow G1 1XQ, United Kingdom
Department	Naval Architecture, Ocean & Marine Engineering
International Students	Erasmus
Degrees	BENg Hons Naval Architecture and Marine Engineering BEng Hons Naval Architecture with High Performance Marine Vehicles BEng Hons Naval Architecture with Ocean Engineering
Table courses	Page
Addressed to	**GTM** **GESTN** **MUENO** **MUGOIEM**

The following Bachelor's degrees can also be Master's. These studies are 5-years, and the last year is considered as the Master:

- BENg Hons Naval Architecture and Marine Engineering
- BEng Hons Naval Architecture with High Performance Marine Vehicles
- BEng Hons Naval Architecture with Ocean Engineering
- MENg Hons Naval Architecture and Marine Engineering
- MEng Hons Naval Architecture with High Performance Marine Vehicles
- MEng Hons Naval Architecture with Ocean Engineering

As English is the language of the country, all courses should be suitable for Erasmus students.

32. Universidad Tecnológica de Panamá (UTP), Panama City, Panama

	Universidad Tecnológica de Panamá
Location	Campus Victor Levi Sasso,Ancón, Panamá., Vía Centenario, Panamá, Panamà
Faculty	Facultad Ingeniería Mecánica
International Students	Internacional
Table courses	Plan de estudio
Addressed to	**GESTN** **GTM**

En la *Licenciatura de Ingeniería Mecánica* existe la *Tendencia Sistema Naval*, el Plan de estudio se encuentra en el siguiente link.