

UNIVERSITY DESTINATIONS
in
Erasmus+
of
Facultat de Nàutica de Barcelona



International Relations

2022

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*

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1. Jade University of Applied Sciences, Elsfleth, Germany

[Jade University of Applied Sciences](#)

| | |
|-----------------------------|---|
| <i>Location</i> | Weser str. 4. 26931 Elsfleth |
| <i>Department</i> | <u>Department of Maritime and Logistics Studies</u> |
| <i>Campus</i> | Elsfleth Campus |
| <i>List of courses</i> | <u>Courses</u> |
| <i>International Office</i> | <u>Students from abroad</u> |
| <i>Addressed to</i> | 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. Hochschule Bremen, City University of Applied Sciences (HSB), Bremen, Germany

[Hochschule Bremen, City University of Applied Sciences](#)

| | |
|--------------------------|---|
| <i>Location</i> | Neustadtswall 30 - 28199 Bremen |
| <i>Schools</i> | School of Nature and Engineering School of Architecture, Civil and Environmental Engineering |
| <i>Exchange students</i> | <u>English Stream</u> |
| <i>Addressed to</i> | GNTM GESTN |

Courses offered in English depending of Bachelor:

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

3. Antwerp Maritime Academy, Anvers, Belgium

[Antwerp Maritime Academy](#)

| | |
|-------------------------------|---|
| <i>Location</i> | Noordkasteel Oost 6. 2030 Antwerpen |
| <i>International Students</i> | Information for incoming students |
| <i>Addressed to</i> | GNTM GTM |

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 |
| B. Sc. Marine engineering | Informatics in a Maritime Context | 3 ECTS |
| | 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 | |

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

[Nikola Vaptsarov Naval Academy](#)

| | |
|---------------------------------|---|
| <i>Location</i> | ul. "Vasil Drumev" 73, 9002 Center, Varna, Bulgària |
| <i>Faculty</i> | Faculty of Navigation Faculty of Engineering |
| <i>International Students</i> | Erasmus+ |
| <i>Table courses in English</i> | GNTM GTM |
| <i>Addressed to</i> | 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 ergonomoy 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 |
| Meteorology 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](#)

| | |
|---------------------------------|--|
| <i>Location</i> | Ulica Mihovila Pavlinovića, 1, 23 000 Zadar |
| <i>Department</i> | Maritime Department |
| <i>International Students</i> | Student mobility |
| <i>Table courses in English</i> | Winter/Autumn Semester Spring/Summer Semester |
| <i>Addressed to</i> | GNTM GTM |

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 Rijeka (UNIRI), Rijeka, Croatia

[University of Rijeka](http://www.uniri.hr)

| | |
|---------------------------------|--|
| <i>Location</i> | Studentska ul. 2, 51000, Rijeka, Croatia |
| <i>Department</i> | Faculty of Maritime Studies |
| <i>International Students</i> | International Relations Erasmus Faculty of Maritime Studies |
| <i>Table courses in English</i> | Courses taught in English |
| <i>Addressed to</i> | GNTM GTM MUNGTM MUGOIEM |
| | + possibility of conducting bachelor/master's Thesis |

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 |

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

[Satakunta University of Applied Sciences](#)

| | |
|---------------------|---|
| <i>Location</i> | Suojantie 2, 26100 Rauma, Finland |
| <i>Campus</i> | Campus Rauma |
| <i>Addressed to</i> | 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.

8. 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 / | |
| Economics | Marketing | | Entrepreneurship projects | |

| OFFSHORE AND NAVAL ARCHITECTURE | | |
|--|---|---|
| SEMESTER 3 | SEMESTER 4 | SEMESTER 5 |
| CU CORE SUBJECTS FOR MECHANICS <ul style="list-style-type: none"> Mathematics ^{ENG} Materials Finite Elements | CU CORE SUBJECTS <ul style="list-style-type: none"> Composites Materials Plates and Beams Vibrations | CU THEORY AND PRACTICE ^{ENG} <ul style="list-style-type: none"> Offshore and Naval Platforms Ship design Loop |
| CU BASICS IN NAVAL ARCHITECTURE <ul style="list-style-type: none"> Mechanical Engineering Fluid Dynamics for Incompressible Flows Naval architecture basics ^{ENG} Ship stability | CU OFFSHORE AND NAVAL ARCHITECTURE <ul style="list-style-type: none"> Introduction to Ship Hydrodynamics Advanced modeling in hydrodynamics and naval structures | CU CORE SUBJECTS FOR OFFSHORE AND NAVAL ARCHITECTURE <ul style="list-style-type: none"> Maneuverability Resistance and propulsion Seaworthiness ^{ENG} Naval Structure ^{ENG} |
| | CU SPECIFIC TO LONG SEMESTER* <ul style="list-style-type: none"> Composites Materials Torsion of girders Motion Equations | CU PROFILES <ul style="list-style-type: none"> Offshore Platform Design Profile (CPO) Offshore Platform Design ^{ENG} Issues in Offshore Engineering ^{ENG} Advanced Naval Structures Profile (SNA) <ul style="list-style-type: none"> Fatigue Advanced Naval Structures Advanced Naval Hydrodynamics Profile (HNA) <ul style="list-style-type: none"> Advanced Naval Hydrodynamics Sailboat Design |

9. Nantes Université, Nantes, France

Nantes Université

| | |
|---------------------------------|--|
| <i>Location</i> | 1 Quai de Tourville, 44035 Nantes Cedex 1, França |
| <i>Department</i> | Marine Technology |
| <i>International Students</i> | Erasmus |
| <i>Degrees fully in English</i> | MSc Hydrodynamics for Ocean Engineering MSc Atlantic Master on Ship Operation & Naval Engineering |
| <i>Addressed to</i> | 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 |

10. University of West Attica, Athens, Greece

[University of West Attica](http://www.uwa.gr)

| | |
|-------------------------------|--|
| <i>Location</i> | Agiou Spiridonos 28, Egaleo 122 43, Greece |
| <i>Department</i> | Department of Naval Engineering |
| <i>International Students</i> | Erasmus+ |
| <i>Addressed to</i> | 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 |

11. Università degli Studi di Genova (UniGe), Genova and l'Spezia, Italy

| Università degli Studi di Genova | |
|--|--|
| <i>Location</i> | Agiou Spiridonos 28, Egaleo 122 43, Greece |
| <i>Department</i> | Department of Naval Engineering |
| <i>International Students</i> | Erasmus+ |
| <i>Addressed to</i> | GESTN MUENO |

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

12. Latvian Maritime Academy, Riga, Letonia

[Latvian Maritime Academy](#)

| | |
|---------------------------------|---|
| <i>Location</i> | Flotes iela 5B, Kurzemes rajons, Rīga, LV-1016, Letonia |
| <i>Incoming Mobility</i> | Erasmus + |
| <i>Table courses in English</i> | Courses in English |
| <i>Addressed to</i> | GNTM GTM (+mention in electrotechnics) |

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 |

13. Klaipėda University (KU), Klaipeda, Lithuania

Klaipėda University (KU)

| | |
|---------------------------------|--|
| <i>Location</i> | H. Manto g. 84, Klaipeda 92294, Lithuania |
| <i>Faculty</i> | Faculty of Marine Technologies and Natural Sciences |
| <i>Incoming Mobility</i> | Erasmus + |
| <i>Table courses in English</i> | Courses in English |
| <i>Addressed to</i> | 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 |

14. Molde University College, Molde, Norway

[Molde University College](#)

| | |
|-----------------------------|--|
| <i>Location</i> | Britvegen 2, 6410 Molde, Norway |
| <i>International Office</i> | Exchange |
| <i>Addressed towards</i> | 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 |

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

[University College of Southeast Norway](#)

| | |
|-----------------------------|--|
| <i>Location</i> | Vestfold: Raveien 215, 3184 Borre Kongsberg: University of South-Eastern Norway, Hasbergsvei 36, Krona, Hasbergs vei 36, 3616 Kongsberg |
| <i>Campus</i> | Vestfold Kongsberg |
| <i>International Office</i> | Exchange |
| <i>Addressed towards</i> | 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.

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

[Western Norway University of Applied Sciences](#)

| | |
|-----------------------------|--|
| <i>Location</i> | Inndalsveien 28, 5063 Bergen |
| <i>Campus</i> | Haugesund |
| <i>International Office</i> | Exchange |
| <i>Addressed towards</i> | 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 |

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

| | |
|-------------------------------|---|
| | <u>Escola Superior Náutica Infante D. Henrique</u> |
| <i>Location</i> | <u>Avenida Eng. Bonneville Franco, 2770-058 Paço de Arcos, Portugal</u> |
| <i>International Students</i> | <u>Erasmus +</u> |
| <i>Addressed to</i> | GNTM GTM MUNGTM MUGOIEM |

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

18. Instituto Superior Técnico-Universidade de Lisboa, Lisboa, Portugal

[Instituto Superior Técnico-Universidade de Lisboa](#)

| | |
|-------------------------------|---|
| <i>Location</i> | Avenida Rovisco Pais 1, 1049-001 Lisboa, Portugal |
| <i>Faculty</i> | Naval Architecture and Ocean Engineering |
| <i>International Students</i> | Erasmus |
| <i>Addressed to</i> | 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.'

19. Gdynia Maritime University, Gdynia, Poland

[Gdynia Maritime University](#)

| | |
|-------------------------------|--|
| <i>Location</i> | Morska 81/87, 81-225 Gdynia, Poland |
| <i>Faculty</i> | Faculty of Navigation Faculty of Marine Engineering |
| <i>International Students</i> | Erasmus + |
| <i>Courses in English</i> | Study Programmes Faculty of Navigation 2022/2023 Faculty of Marine Engineering 2022/2023 |
| <i>Addressed to</i> | 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 |

20. Maritime University of Szczecin, Szczecin, Poland

[Maritime University of Szczecin](#)

| | |
|-------------------------------|---|
| <i>Location</i> | Waly Chrobrego ½, 70-500 Szczecin, Poland |
| <i>Faculty</i> | Faculty of Navigation Faculty of Marine Engineering Faculty of Mechatronics and Electrical Engineering |
| <i>International Students</i> | <u>Erasmus +</u> |
| <i>Courses in English</i> | <u>Academic offer</u> <u>Navigation 2021/2022</u> <u>Maritime Engineering 2021/2022</u> |
| <i>Addressed to</i> | 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 |

21. West Pomeranian University of Technology, Szczecin, Poland

[West Pomeranian University of Technology](#)

| | |
|---------------------------------|---|
| <i>Location</i> | 41 Piastów Avenue, 71-065 Szczecin |
| <i>Faculty</i> | <u>Faculty of Maritime Technology and Transportation</u> Courses of study: <ul style="list-style-type: none"> - Ocean Technology - Transport - Safety engineering - Yacht building - Refrigeration and air conditioning Postgraduate studies: <ul style="list-style-type: none"> - Designing yachts and sport boats - Traffic engineering |
| <i>International Students</i> | <u>International Mobility Office</u> |
| <i>Table courses in English</i> | <u>List of courses</u> <u>Faculty of Maritime Technology and Transport</u> |
| <i>Addressed to</i> | GESTN GTM GNTM (logistics) MUGOIAM MUENO +possibility to conduct 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 |

22. KTH Royal Institute of Technology, Stockholm, Sweden

[KTH Royal Institute of Technology](#)

| | |
|---------------------------------|---|
| <i>Location</i> | <u>Brinellvägen 8, 114 28 Stockholm, Sweden</u> |
| <i>International Students</i> | <u>Exchange</u> |
| <i>Table courses in English</i> | <u>Courses for exchange student</u> |
| <i>Addressed to</i> | GESTN MUENO |

KTH is a big Institute that provides an extensive range of courses. If you are interested, you should follow the link of the '[courses for exchange students](#)' and check these there.

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

[Ordu University](#)

Location | [Evkaf, Arslan Aydinlik Cd. 1A, 52400 Fatsa/Ordu, Turkey](#)

Information was not found.

24. İstanbul Teknik Üniversitesi (İTÜ), İstanbul, Turkey

[İstanbul Teknik Üniversitesi](http://www.itu.edu.tr)

| | |
|---------------------------------|--|
| <i>Location</i> | Maslak, 34467 Sariyer/İstanbul, Turkey |
| <i>Faculty</i> | Maritime Faculty Faculty of Naval Architecture and Marine Sciences |
| <i>International Students</i> | Erasmus |
| <i>Table courses in English</i> | BSc MSc |
| <i>Addressed to</i> | 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 |
| Shipyards 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 Shipyards 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 |

25. Karadeniz Technical University, Trabzon, Turkey

[Karadeniz Technical University](#)

| | |
|--------------------------|--|
| Location | <u>Üniversite, 61080 Ortahisar/Trabzon, Turkey</u> |
| Department | Department of Naval Architecture and Marine Engineering |
| International Students | <u>Exchange</u> |
| Table courses in English | <u>Offered courses for Erasmus+ students</u> |
| 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 |

26. University of Strathclyde, Glasgow, United Kingdom

| University of Strathclyde | |
|---|--|
| <i>Location</i> | 16 Richmond St, Glasgow G1 1XQ, United Kingdom |
| <i>Department</i> | Naval Architecture, Ocean & Marine Engineering |
| <i>International Students</i> | Erasmus |
| <i>Degrees</i> | BEng Hons Naval Architecture and Marine Engineering BEng Hons Naval Architecture with High Performance Marine Vehicles BEng Hons Naval Architecture with Ocean Engineering |
| <i>Table courses</i> | Page |
| <i>Addressed to</i> | 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.

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

| Universidad Tecnológica de Panamá | |
|---|--|
| <i>Location</i> | Campus Victor Levi Sasso, Ancón, Panamá., Vía Centenario, Panamá, Panamá |
| <i>Faculty</i> | Facultad Ingeniería Mecánica |
| <i>International Students</i> | Internacional |
| <i>Table courses</i> | Plan de estudio |
| <i>Addressed to</i> | GESTN GTM |

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