

1. The Faculty of Maritime Sciences

1.1 Address

Hochschule Emden/Leer
University of Applied Sciences Emden/Leer

Faculty of Maritime Sciences

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1.2 Academic Calendar

It is advisable to arrive at Leer a few weeks before the lectures start. You may register early and take part in a German language course. Furthermore, you will get accustomed to your life in Leer and meet other students.

Winter semester	September, 1 st – February, 28 th
Summer semester	March, 1 st – August 31 st

Lectures start on first Monday in March and on Monday following September, 20th, respectively. The lecturing periods are:

Winter semester	September, 20th – January, 31st
Summer semester	March, 1 st – July, 10 th

Final exams take place at the end of each lecturing period, usually within the last three weeks. The local examination committee will inform students at the beginning of each semester about the exam organisation.

Additional Holidays are around Christmas (2 weeks), Easter (2 days), May, 1st and October, 3rd.

1.3 General Description of the Faculty of Maritime Sciences at Leer

The University of Applied Sciences Emden/Leer is one of the legal successors of the Fachhochschule Oldenburg/Ostfriesland/Wilhelmshaven which was founded in 2000 by merging the three northwestern Universities of Applied Sciences at Emden and Leer, Oldenburg and Elsfleth as well as Wilhelmshaven. In 2009 this big university was split into two universities, one of them being our University of Applied Sciences.

A Maritime Institution at Leer was in fact founded in 1854 as a Maritime Academy and became part of the Ostfriesland University of Applied Sciences in 1973.

Today there are about 400 students studying at Leer. The teaching staff consists of 10 professors and about 20 maritime lecturers.

The Faculty of Maritime Sciences at Leer offers the following study courses:

- Nautical Science and Maritime Transport (B.Sc.), with the certificate of competency for a Master Mariner according to STCW 2010 convention.
- Maritime Technology and Shipping Management (B.Sc.) with the branches of study "Ship and Environmental Engineering" or "Shipping Company Management and Logistics" or "Safety and Quality Management".
- Maritime Operations (M.Sc.), a joint master study programme between the Western Norway University of Applied Sciences and the University of Applied Sciences Emden/Leer.

The language of instruction in the Bachelor study programmes is usually German. The lectures in the students' last year, however, are given in English. The Master programme is entirely taught in English.

2. B.Sc. Maritime Technology and Shipping Management

"Maritime Technology and Shipping Management" is a Bachelor study course, in which a Bachelor of Science profile "Ship and Environmental Engineering" or a Bachelor of Science profile "Shipping Company Management and Logistics" or a Bachelor of Science profile "Safety and Quality Management" is awarded based on the elected study profile. The standard duration is 7 semesters.

The profile of the study course is marked on the one hand by basic knowledge and competences in technology, natural sciences and nautical science, on the other hand by professional competences in business, logistics and law or finally by in-depth knowledge of environmental and quality management systems. In the profile "Ship and Environmental Engineering" the students deepen their understanding of technology and the natural sciences. The "Shipping Company Management and Logistics" profile strengthens the competences in business, logistics and law. In the "Safety and Quality Management" profile students learn how to implement a quality management system. Furthermore, the students improve their communication and presentation skills as well as their intercultural competences.

In the overall study proposal the maritime requirements are reflected. At the same time the students have a maximum of flexibility in electing compulsory elective lectures to ensure that the course of studies fulfills the requirements of the maritime industry and responds to the individual interests of the students. This study course provides the students with a solid foundation for their future professional life. At the same time they can individually optimize their study course to meet the requirements of shipowning companies, maritime transportation companies, shipyards, suppliers and classification societies. As a matter of course this study course opens opportunities in the field of the fast growing offshore and environmental technology.

As the maritime industry is highly internationalised, it is an important objective of the Faculty to not only provide students with excellent English language skills but also to improve their intercultural awareness and their ability to gain access to foreign cultures. The Faculty tries to reach these objectives by offering lectures in English in the last year of study and by supporting students in completing part of their studies abroad. In this respect the Faculty features a European network of partner institutions (located e.g. in Denmark, Finland, France, Ireland, Latvia, Norway, Spain) for students to choose from. Students can also choose from a variety of overseas partner institutions of our university (e. g. Vancouver Island University in Canada, Universidad San Ignacio de Loyola in Lima, Peru etc.).

The following table provides an overview over the modules of the study course **Maritime Technology and Shipping Management**.

in German

in English

Semester 1			Semester 2			Semester 3			Semester 4			Sem. 5		Semester 6			Semester 7				
Module	LV S	C P	Module	LV S	C P	Module	LV S	C P	Module	LV S	C P	M	CP	Module	LV S	C P	Module	LV S	C P		
Linear Algebra	4	5	Analysis	4	5	Ship Handling 1	4	5	Maritime Law	4	5	P R A C T I C A L S E M E S T E R	30	Environ-mental and Energy Management	4	5	Business Communi-cation	2	3		
									Ship Handling 2	4	5			Ship Handling 3	4	5	Compulsary Elective 2	4	5		
Computer Science	4	5	Statistical Methods	4	5	Ship Theory	4	5	Social Credit Points		2									Compulsary Elective 1	4
Technical Mechanics	4	5	Quality Manage-ment / ISM	4	5	Classical Mechanics	4	5	Student Research Project		3			Ship General Design and Strength Calculations	4	5	Bachelor Thesis		1 2		
General Law	4	5	Labour and Commercial Law	4	5	Elements of Machinery	4	5	Ship Structural Design	4	5			Ship Propulsion and Operating Systems	4	5					
English	4	5	General Business Manage-ment	4	5	Design and Production Methods	4	5	Thermo-dynamics	4	5			Materials Science	4	5				Ocean and Hydraulic Engineering 2	4
Funda-mentals of Shipping and Ship Operation	4	5	Funda-mentals of Maritime Technology	4	5	Maritime Environ-mental Engineering 2	4	5	Ocean and Hydraulic Engineering 1	4	5										

in German

in English

Semester 1			Semester 2			Semester 3			Semester 4			Sem. 5		Semester 6			Semester 7		
Module	LV S	C P	Module	LV S	C P	Module	LV S	C P	Module	LV S	C P	M	CP	Module	LV S	C P	Module	LV S	C P
Linear Algebra	4	5	Analysis	4	5	Ship Handling 1	4	5	Maritime Law	4	5	P R A C T I C A L S E M E S T E R	30	Environ-mental and Energy Management	4	5	Business Communi-cation	2	3
									Ship Handling 2	4	5			Ship Handling 3	4	5	Compulsary Elective 2	4	5
Computer Science	4	5	Statistical Methods	4	5	Ship Theory	4	5	Social Credit Points		2								
Technical Mechanics	4	5	Quality Manage-ment / ISM	4	5	Human Resource and Crew Manage-ment	4	5	Student Research Project		3			Maritime Economics	4	5	Bachelor Thesis		1 2
General Law	4	5	Labour and Commercial Law	4	5	Maritime Commercial Law	4	5	Controlling and Accounting	4	5			International Transport Manage-ment	4	5			
English	4	5	General Business Manage-ment	4	5	Funda-mentals of Logistics	4	5	Maritime Logistics	4	5			Contract Drafting and Contract Management	4	5	Strategic Shipping Company Manage-ment	4	5
Funda-mentals of Shipping and Ship Operation	4	5	Funda-mentals of Maritime Technology	4	5	Investment and Financing of Maritime Projects	4	5	Container Shipping Line Management (Business Game)	4	5								

Maritime Technology and Shipping Management

Major: “Safety and Quality Management”

in German

in English

Semester 1			Semester 2			Semester 3			Semester 4			Sem. 5		Semester 6			Semester 7		
Module	LV S	C P	Module	LV S	C P	Module	LV S	CP	Module	LV S	C P	M	CP	Module	LV S	C P	Module	LV S	C P
Linear Algebra	4	5	Analysis	4	5	Ship Handling 1	4	5	Maritime Law	4	5	P R A C T I C A L S E M E S T E R	30	Environ-mental and Energy Management	4	5	Business Communi-cation	2	3
									Ship Handling 2	4	5			Ship Handling 3	4	5	Compulsary Elective 2	4	5
Computer Science	4	5	Statistical Methods	4	5	Ship Theory	4	5	Social Credit Points		2								
Technical Mechanics	4	5	Quality Manage-ment / ISM	4	5	Dangerous Goods	4	5	Student Research project		3			Compulsary Elective 1	4	5	Compulsary Elective 3	4	5
General Law	4	5	Labour and Commercial Law	4	5	Health and Safety at Work	4	5	Risk Management. Accident Analysis, Management of Change	4	5			Auditing	4	5	Bachelor Thesis		1 2
English	4	5	General Business Manage-ment	4	5	Analysis and Communi-cation	4	5	Product Safety	4	5			Safety and Security	4	5			
Funda-mentals of Shipping and Ship Operation	4	5	Funda-mentals of Maritime Technology	4	5	Quality Manage-ment Systems	4	5	Implementa-tion of QM-Systems	4	5			Environ-mental Protection Management Systems	4	5	Total Quality Manage-ment	4	5

Core Curriculum

Joint Upper-Level Courses

Courses in the Selected Major