Overview of all English Courses for the Academic Year 2026/27
as of November 2026
(subject to change)

Before choosing your courses, please read the instructions carefully:

1. **Master** courses can only be chosen by master students or students who are on a German Master Level i.e. you have already studied at least 6 semesters at your home university

2. You can mix courses from **not more than 2 different study programs** as long as you fulfil the prerequisites.

3. **Technical Projects** are marked in **green.**

4. **30 ECTS Certificate Programs** is marked in **blue.**

5. Courses from the Faculty of Maritime Studies take place at our Campus in **Leer.**

6. In addition to the courses listed herein, you can choose **German Classes** on different levels during the semester worth 5 ECTS.

7. Some courses are only offered to a limited number of students. The places are given away on a first come - first serve basis.

8. The course offer is subject to change and schedule conflicts may occur - so the course selection may have to be updated upon arrival.

Faculty of Technology

MECHANICAL ENGINEERING (required language level B1) BACHELOR LEVEL	Description	Lecturer	CP / ECTS	Term (Semester)
LECTURE: **Leadership and Communication**	Communicating and presenting, basics of communication psychology, goals, conducting conversations and negotiations, leading teams and work groups (including motivation and tools, meeting management, creativity in teams, conversation situations, employee discussions, managing conflicts), leadership role, tasks and - instruments, learning and implementing conversation and leadership skills.)	**Mr. Schmidt**	**5**	**fall**
TECHNICALL PROJECTS: e.g. Mechatronics and Robotics, Materials Engineering, Laser Technologies, Additive Manufacturing, Sustainability, etc.	Subjects on Request, please choose one: Mechatronics and Robotics, Materials Engineering, Laser Technologies, Additive Manufacturing, Sustainability	**Esther Held and others**	**5**	**fall and spring**
LECTURE: **Control of and with Smart Products**	Students can choose and program microcontroller boards for products. Students can select and describe microcontroller boards and the necessary sensors and actuators. Students can describe and create programs for microcontroller boards. The module serves as an input for the semester project and provides a foundation for understanding smart products. Content: Assembly of a control system, Data flow in control systems, Hardware for control systems, Microcontroller boards, Sensors, Actuators, Programming of microcontrollers, Documentation of programs and hardware, Case studies.	**Mr. Wings**	**5**	**fall**
LECTURE: **Quality Management and Quality Assurance**	Introduction to quality management; QM philosophies; QM standards: general QM methods, and tools; problem solving tools; management tools; quality costs; quality and law. Basics of statistics; acceptance charts; CAQ; supplier selection and evaluation; quality costs. sampling inspection; capability studies and characteristics; control	**Mrs. Blattmeier**	**5**	**fall**

MECHANICAL ENGINEERING **(required language level B1)** **BACHELOR LEVEL**	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
LECTURE: **Project Management**	Fundamentals of Project Management, Work Breakdown Structures, Project Scheduling and Budgeting, Earned Value Method, Risk Analysis in Projects, Project Organisations, Project Closure and Audit, PCSimulation, agile project management	**Mr. Passenheim**	**5**	**fall**
LECTURE: **Digital Marketing**	course description will follow soon	**Mr. Hummels**	**5**	**fall**
LECTURE: **Thermal Power Plants** **Prerequisite:** basic knowledge of thermodynamics	Types and applications, renewable heat sources, cycle processes, optimization strategies for efficiency and power output, main machinery and apparatuses, new technologies and applications; simulation of power plant processes using commercial software. Prerequisites: Basic knowledge of thermodynamics.	**Mr. Jakiel**	**5**	**fall**
LECTURE: **Energy Systems Simulation** **Prerequisiste: Basic knowledge of programming/limited no. of participants**	Modelling, simulation and analisys of local energy systems with producers, consumers and prosumers	**Mrs. Pechmann**	**5**	**fall**
LECTURE: **International Marketing** **Prerequisites**: Sufficient knowledge of English and basic knowledge of marketing is required	International marketing activities are explored; international market research, strategic issues, international marketing mix; additional aspects such as generic internationalization strategies, methods of evaluating and selecting countries as target markets, and market entry modes extend the scope of contents to entirely new fields; exercises and case studies are used to apply learned contents to real-life scenarios.	**Mr. Hummels**	**5**	**spring**
LECTURE: **Sustainable Production** **Prerequisite:** basic knowledge of programming/limited no. of participants	Production systems and production management systems in ERP-Systems (SAP S/4 HANA, ERPsim Sustainability)	**Mrs. Pechmann**	**5**	**spring**

NEW: MECHANICAL ENGINEERING MASTER LEVEL	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
LECTURE: **Computational Simulation in Energy Engineering**	Clarification of lightweight design tasks; strategic approach; structural design; selection of lightweight materials; sustainability and cost efficiency; dimensioning; manufacturing and assembly methodsProject: Design, dimensioning, manufacturing and testing of an alu-minum lightweight structure	**Mr. Böcker**	**5**	**spring**
LECTURE: **Turbomachinery Design**	Basic concepts and applications, Machine-specific thermodynamic and fluid dynamics fundamentals, Performance, efficiency and main operating data of machines, Euler's equation of turbomachines, velocity triangles, energy conversion in the stage, Key figures for selection, dimensioning and evaluation, Off-design, characteristic curves and maps, operational limits , Development processes, design of a radial compressor stage, optimization options, Operation of professional design and simulation software	**Mr. Jakiel**	**5**	**spring**
LECTURE: **Structural Dynamics**	PDEs in structural dynamics systems, Solutions for mode shapes and eigenfrequencies, Solutions for wave propagation, Excitation and unstable dynamics, Reduction of vibration and influences on vibrations, Human response to vibration, Measurement of vibration with spatial distribution	**Mr. Graf**	**5**	**spring**
LECTURE:**Thermodynamics of Real - World Processes**	Entropy as a fundamental quantity in thermodynamic processes, adiabatic accessibility, and the Lieb-Yngvason engine. This course demonstrates how entropy is used to describe and evaluate thermodynamic processes.	**Mr. Böcker**	**5**	**spring**
LECTURE: **Lightweight Structures and Innovative Materials**	Clarification of lightweight design tasks; strategic approach; structural design; selection of lightweight materials; sustainability and cost efficiency; dimensioning; manufacturing and assembly methodsProject: Design, dimensioning, manufacturing and testing of an aluminum lightweight structure	**Mr. Helms**	**5**	**spring**
LECTURE: **ERP Systems I: Processes and Sustainability Data**	The course introduces the essentials and architecture of ERP systems and links them to production processes, PPC logic, and the plan#to#produce integration cycle. Students gain an overview of core data models and data flows and learn how ERP systems support reporting on sustainability and quality. The module also clarifies the distinction between configuration, customizing, and system enhancements as different levels of system adaptation in industrial environments.	**Mrs. Pechmann**	**5**	**spring**
LECTURE: **Applied Statistical Methods for Mechanical Engineering**	The module covers a large spectrum of applied statistics required in mechanical engineering: descriptive statistics and data visualisation, measurement uncertainty evaluation, hypothesis testing, linear regression, design of experiments (full and fractional factorial, Taguchi, response surface methods), robust optimisation and signal to noise analysis, reliability and life time modelling (Weibull analysis, accelerated testing), statistical process control (control charts, capability indices), uncertainty quantification for simulation models. Each topic is illustrated with engineering focused case studies and/or hands on laboratory projects.	**Mrs. Held**	**5**	**spring**
LECTURE: Digital Process Engineering	Students learn about key methods and equipment used in mechanical, thermal, and chemical process engineering. During the lessons, they formulate fundamental mass and energy balances for process engineering equipment and model them using numerical methods. Through project-based examples, students address realistic tasks—such as the design, optimization, and troubleshooting of process engineering systems—by employing mathematical models	**Mr. Hüppmeier**	**5**	**spring**
LECTURE: **Life Cycle Assessment**	course description will follow soon	**Mr. Ebel**	**5**	**spring**

NEW: MECHANICAL ENGINEERING MASTER LEVEL	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
LECTURE: **Wind Energy Technology**	Students learn the fundamental principles of wind energy conversion, wind turbine aerodynamics, design and operation. They assess wind resources, estimate enery yields and analyse the technical and economic performance of wind energy systems	**Mr. Herraez**	**5**	**spring**
LECTURE: **Process Visualisation**	In order to design processes in a process-oriented organisation, various modelling options have developed: 1. Differentiation of processes in the structures of strategic management 2. Identification of processes 3. Analysis of processes 4. Management of processes 5. Classification of processes in the phases of the process life cycle	**Mrs. Blattmeier**	**5**	**spring**
LECTURE: **Scientific Working**	Writing a scientific paper/ report/ thesis, including the setup/content of mandatory chapters, Literature research and use, literature organization, referencing styles, publication process, Presentation of scientific results, Software use in scientific working, Usage of AI in scientific working	**Mrs Ottink**	**5**	**fall**
LECTURE: **Power Plant Engineering**	Energy and power plants (basic concepts and classification), Energy sources for power plants, Thermodynamic fundamentals of energy conversion, efficiency, cycle processes for heat engines, Steam power process: function, efficiency and performance indicators, main components, optimization potential; overview of combustion systems, Gas turbines and combined cycle processes: function, efficiency and performance indicators, main components, optimization potential, EBSILON® Professional: introduction, setup and simulation of steam power and gas turbine, processes based on real power plant examples, Non-technical indicators: Levelized Cost of Electricity (LCOE), CO2 production, etc.	**Mr. Jakiel**	**5**	**fall**
LECTURE: **ERP Systems II: Integrated Business Processes and Data Analysis**	Within a business simulation game, you will produce and distribute a product according to economic and environmental criteria. To do this, you will use standard transactions from an ERP system (SAP S4/HANA) to generate data for a business process. You will represent the data flows using BPMN 2.0 notation. With the help of ODATA connections, calculation, and visualisation software (e.g., Excel, SAP SAC), you generate suitable reports as a basis for decisions. You then configure an ERP system for manufacturing a new product, create your own QuickViews in SAP, and use them to verify your configured production process.	**Mrs. Pechmann**	**5**	**fall**
LECTURE: **Simulation of Production Systems**	Identification of key resources and flows (energy, materials, data), creation of suitable models and their dynamic simulation (time-discrete/agent-based), data availability and provision for simulation, introduction to simulation software, simulation of a case environment	**Mrs Pechmann**	**5**	**fall**

NEW: MECHANICAL ENGINEERING MASTER LEVEL	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
LECTURE: **Software Development**	Basics of software development, role of the software developer. Software development processes, basics of software architecture, introduction to the Python programming language(syntax, semantics, object-oriented programming), software quality, basics of software testing, test types, test methods, test tools, introduction to agility and Scrum, roles, artefacts, processes, software development in a team (teamwork, communication, conflict resolution, roles and responsibilities), requirements and restrictions in an industrial environment, software development in a production environment.	**Mr. Wings**	**5**	**fall**
LECTURE: **Application of Nonlinear Finite-Element-Analysis**	Overview of various commercial FEA (Finite Element Analysis) software packages and their field of application, Development of complex models in Abaqus, Sources of nonlinearities, Displacement-controlled and force-controlled analyses, and snap-through problems, Newton iteration, implicit and explicit algorithms, mass scaling, Contact: penalty method, (augmented) Lagrange method, True stress and true strain, nonlinear material models and parameter identification from tensile test data, Application example: short-time dynamics crash simulation	**Mr. Graf**	**5**	**fall**
LECTURE: **Data Science and Analytics**	The importance of data analysis, particularly of large datasets (big data), is growing in the fields of science and business. This course covers concepts, algorithms, and technologies for analyzing large datasets. It addresses methods from the field of machine learning, their integration into the CRISP-DM and KDD processes, and their alignment with Industry 4.0 standards. Analyses generated using digitized data and information — such as that provided by industrialcyber-physical systems — are an essential component of digitized environments and support decision-making at various levels within the ecosystems of industry, transportation, energy and healthcare	**Mr. Wings**	**5**	**fall**
LECTURE: **Industrial Laser Material Processing**	Overview of the interactions between laser beams and materials in laser material processing. Assignment of the processes in relation to the production technology with the laser beam as a tool. In-depth treatment of manufacturing processes with laser beams in terms of quality, speed and cost. The manufacturing processes are: cutting, joining, processing of surface layers, additive manufacturing. Examples from industrial production.	**Mr. Schüning**	**5**	**fall**
LECTURE: **Advanced Project Management for Engineers**	Agile Project Management, Scrum Framework, Scrum Roles, Product Backlog, User Stories, Requirements Engineering, Story Points, Planning Poker, Sprint Planning, Sprint Execution, Daily Scrum, Kanban, Sprint Review, Sprint Retrospective, Definition of Done, Metrics, Velocity, Burndown Charts, Scaling Scrum, Multi-Team Coordination, Simulation Game	**Mr. Haja**	**5**	**fall**
TECHNICAL PROJECT: Hypleroop	Hyperloop is set to be a new mode of transport for the future. As part of the HSEL's test infrastructure, students are introduced to the relevant technology and deepen their knowledge through projects in areas including design, operating systems, management and future technologies.	**Mr. Schüning**	**5**	**fall and spring**

SUSTAINABLE ENERGY SYSTEMS **Interdisciplinary programme from departments of MECHANICAL ENGINEERING and NATURAL SCIENCES BACHELOR LEVEL** **(required language level B2)**	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
LECTURE: **Energy Systems Simulation** **Prerequisites: basic knowledge of programming. Only open to limited no. of students, students of the Renewable Energy Program will be prioritized**	Modelling, simulation and analisys of local energy systems with producers, consumers and prosumers	**Ms Pechmann**	**5**	**fall**
LECTURE: **Energy Storage and Fuel Cells**, **only open to limited no. of students, students of the Renewable Energy Program will be prioritized**	Storage of thermal, chemical, electrical and kinetic energy, as well as potential energy. Fuel cell and hydrogen storage.	**Mr Illing**	**5**	**fall**
LECTURE: **Wind Energy**	Design of wind turbines and wind farms, aerodynamics, structural dynamics, wind ressource and site assesment. Including hands-on experiments! Basic knowledge of fluid dynamics needed.	**Mr. Herráez**	**5**	**fall**
PROJECT: **Wind challenge**	Design and production of a small wind turbine in cooperation with a group of students from different backgrounds for participating in an international wind energy contest.	**Mr. Herráez**	**2**	**fall and spring**
LECTURE**: Solar Thermal and Geothermal Energy**	Solar resource, design of solar thermal systems, performance analysis. Including hands-on experiments! Basic knowledge of thermodynamics needed.	**Mr Herráez**	**5**	**fall**
LECTURE: **Photovoltaics**	Physical principles of the use of photovoltaic energy, components of photovoltaic installations, design of photovoltaics systems. Including hands-on experiments. Basic knowledge of electrotechnics needed.	**Mr. Herráez**	**5**	**fall**
LECTURE: **Sustainable Production** **Prerequisites: Basic knowledge of programming. Only open for limited no. of students**	Globalization and climate change, production systems and production management systems, requirements for sustainable production	**Mrs Pechmann**	**5**	**spring**
LECTURE: **Thermal Power Plants**	Types and applications, renewable heat sources, cycle processes, optimization strategies for efficiency and power output, main machinery and apparatuses, new technologies and applications; simulation of power plant processes using commercial software. Prerequisites: Basic knowledge of thermodynamics.	**Mr. Jakiel**	**5**	**fall**

SUSTAINABLE ENERGY SYSTEMS **Interdisciplinary programme from departments of MECHANICAL ENGINEERING and NATURAL SCIENCES BACHELOR LEVEL** **(required language level B2)**	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
LECTURE: **Biomass**	Biomass types and their origins, photosynthesis and its efficiency, lignocellulose biomass, lipid biomass, carbohydrate biomass, bio refineries, biomass as a solid fuel, charcoal, the C,H,O triangle, gasification and hydrogenation, biogas, 1st and 2nd generation liquid fuels, Fischer-Tropsch and related processes, bio-mass use and land use, carbon dioxide impact of biomass use, food vs. fuel. Lecturer: Rüsch gen. Klaas	**Mr. Rüsch gen. Klaas**	**5**	**fall**
TECHNICAL PROJECT: Wind and Solar Energy	Project details need to discusssed with the coordinator	**Mr. Herráez**	**5**	**fall and spring**
TECHNICAL PROJECT: Process Engineering	Project details need to discusssed with the coordinator	**Mr. Illing**	**5**	**fall and spring**
TECHNICAL PROJECT: Turbomachines and Energy Technology	Project details need to discusssed with the coordinator	**Mr. Jakiel**	**5**	**fall and spring**
TECHNICAL PROJECT: Biotechnology	Project details need to discusssed with the coordinator	**Mr. De Vries**	**5**	**fall and spring**
CERTIFICATE PROGRAM: Renewable Energy Certificate Program	Different courses worth 30 ECTS in a special certificate program. Places are limited to 10 students! All information can be found on our website: **https://www.hs-emden-leer.de/en/university-of-applied-sciences/organization/departments-a-z/international-office/international-students/exchange-students-erasmus/new-certificate-program-renewable-energy**	**Mr. Herráez**	**30**	**fall**

INDUSTRIAL INFORMATICS /Computer Engineering (required language level B2) MASTER LEVEL	Description	Lecturer	CP / ECTS	Term

There are currently no courses open for exchange students in our Master of Industrial Informatics study program.

However projects worth 5 ECTS might be possile for the fall term 2027/28.
(one project per semester possible).

The topics of these projects will be published at a later date.

NATURAL SCIENCES **Biotechnology** **(required language level B2)** **BACHELOR Level**	**Description**	**Lecturer**	**CP / ECTS**	**Term**
LECTURE & LAB: **Bioreaction Technology** Prerequisites: Basic knowledge on process engineering and mathematics	This module provides a comprehensive understanding of bioreaction engineering and the mathematical modeling of microbial processes, covering topics such as mass transfer, mixing times, and kinetic models. Beyond the lecture, the module includes an integrated laboratory component. In these practical units, students apply the theoretical concepts directly to hands-on experiments.	**Mr. De Vries/Mr. Habermann**	**8**	**fall**
LECTURE & PRESENTATION: **Microbial Ecology** Prerequisites: basic knowledge in Microbiology	Microbial reactions in carbon-, nitrogen-, sulfur- and iron- cycles, levels of regulation in procaryotic metabolism (from DNA structure to post-translation regulation), synthropy, competition, cooperation in theory and presentation of latest information from literature by students	**Ms Gallert**	**4**	**fall**
LAB COURSE: **Practical Molecular Biology** Prerequisites: practice in laboratory work, experience in sterile working techniques, theoretical knowledge of molecular biological processes	Performing a restriction assay and a ligation assay, transformation of different bacteria via heat shock and/or electroporation, gel electrophoresis analysis, cloning phage DNA into a bacteria, PCR detection and expression analysis via qPCR	**Ms Reimer**	**6**	**fall**
LECTURE & INTERNSHIP: **Process Modeling** Prerequisites: Basic knowledge on process engineering and mathematics	Students will learn how to setup a process simulator using the Aspen Engineering Suite as an example. They learn to analyze existing technical processes from the perspective of process modeling. Components of a simulation model and functions of a process simulator are discussed. Students will learn how to create a process model and implement it in simulation software. They apply the created model for process analysis. In the practical part, you will carry out the work independently on an example from industry.	**Mr. Steiniegweg**	**5**	**fall**
LECTURE: **Production-based Biotechnology**	The lecture details the operation of large-scale production facilities, covering administration, product changeovers, and Process Analytical Technology (PAT). Furthermore, the module examines modern industry trends, including personalized medicine, additive manufacturing, and the role of artificial intelligence in biotechnological production.	**Mr. De Vries**	**3**	**fall**
LECTURE & INTERNSHIP: **Mixing & Stirring**	Terms and definitions of mixing and stirring technology, consideration of selected mixing and stirring systems with regard to their function and application, operation and mixing tasks, procedure for scaling mixing and stirring devices. Practical experience in sampling, power measurement and scale-up respectively scale-down	**Mr. Habermann**	**5**	**fall**
LECTURE & LAB WORK: **Heat Recovery**	The module Heat Recovery covers the fundamentals of thermodynamics and applies them to describe heat transfer in heat exchangers. This module also covers the technical description and analysis of heat exchangers, which are used to recover thermal energy from a material flow rather than releasing it unused into the environment. In the laboratory, experiments are conducted to determine heat transfer and to analyze heat exchangers (energy and mass balance and efficiency).	**Mr. Illing**	**5**	**fall**

NATURAL SCIENCES (required language level B2) **MASTER LEVEL** **Master of Technology of Circular Economy**	**Description**	**Lecturer**	**CP / ECTS**	**Term**
LECTURE: **Recovery of Recyclable Materials**	The students learn about processes for recovering valuable materials from industrial and other material streams as well as the application and optimization of these processes.In the form of a project, the students deepen what they have learned using an example process.	**Mr. Hüppmeier**	**6**	**fall**
LECTURE: **Water Reuse**	Module description will follow soon	**Mr. Illing**	**6**	**fall**
LECTURE: **Soil Remediation**	Students receive information about typical chemical contamination of soil at contaminated sites (e.g. PAHs, heavy metals, mineral oils) and how to remediate these contaminations. Soil samples are taken from former industrial sites, analyzed and evaluated.	**Mr. Walker**	**6**	**fall**
LECTURE: **Energies and Materials in Biotechnology**	This course introduces students to biotechnological processes, with particular emphasis on the use of material and energy sources. While projects are primarily conducted on a theoretical basis, selected laboratory excursions and practical demonstrations involving yeast, bacteria and mammalian cells are integrated to enhance conceptual understanding.	**Mr. de Vries**	**6**	**fall**
LECTURE: **Solid Waste and Recycling**	Module description will follow soon	**Mr. Habermann**	**6**	**spring**
LECTURE + LAB: **Biopolymers**	The module consists of a lecture and a lab course. Students will learn to prepare, process and analyse biopolymers and understand their role in polymer industry.	**Mr. Rüsch gen. Klaas**	**6**	**spring**
LECTURE: Biodegradability and Environmental Impact **Limited number of participants: max. 2 students**	The module consits of a lecture on "Environmental Assessments" (EIA, EA, ESIA) and social & environmental responsibilities and a seminar in which independent topics on "Biodegradability" of various components are developed and presented	**Mrs. Gallert**	**6**	**spring**
LECTURE **Introduction to Circular Economy**	Module description will follow soon	**Mr. Steinigeweg**	**6**	**spring**
PROJECT: **Circular Economy Project**	Students are working in small groups on an interdisciplinary project in the field of Circular Economy Technology.	**all lecturers**	**6**	**spring**

Faculty of Business Studies

BUSINESS STUDIES (required language level B2) BACHELOR LEVEL	Course Description	Lecturer	CP / ECTS	Term (Semester)

For the courses of the Faculty of Business Studies, please refer to the following link:

https://www.hs-emden-leer.de/studierende/fachbereiche/wirtschaft/im-studium/auslandsbuero/incomings-exhanges-students

Faculty of Social Work and Health

SOCIAL WORK **(required language level B1, recommended B2)** **BACHELOR LEVEL**	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
Expanding Educational Access through Theater - A Theater Lab for Fields of Early Childhood Education	Children's rights – such as the right to equality, education and protection from violence – apply to all individuals from birth until the age of 18. Yet their significance extends far beyond this age group: dealing with children's rights consciously or unconsciously shapes our own biographical experiences as well as our professional and private practice. This seminar combines knowledge on the topic of children's rights with theater-educational methods. These methods build on existing knowledge about children's rights and create a creative space for biographical reflection and self-expression. At the same time, the theatre pedagogical approach enables participants to get to know concrete techniques for working, creating, and reflecting on the topic of children's rights with different target groups. It is the combination of this theoretical and practical approach that makes this seminar particularly distinctive.	**Mrs Weinzierl**	**3**	**spring**
LECTURE: **Press and Public Relations in Social , Education and Health Sectors** (online)	Press and public relations work is an important element in order to be visible as a social institution and to be perceived with one's own profile. The course provides basic knowledge of effective public relations in the social sector.	**Mrs. Segebade**	**3**	**spring**
LECTURE: **International University Week**	International University Week 2027 will take place at our university from 12 - 16 April 2027. We are expecting around 50 European students and around 10 lectureres from other European countries to attend this week. As student participants, you will take part in discussions on current topics in social work within a European context through workshops and visits to social cacre organisations.	**Mrs. Hübner**	**3**	**spring**
LECTURE / PROJECT: **Project development and practice**	Short introduction into the system of social services in Germany. Weekly practice day in a social service. If applicable: Development and implementation of a project offered in the social service.	**Mr. Bunk**	**4**	**spring**

SOCIAL WORK **(required language level B2) BACHELOR LEVEL**	**Description**	**Lecturer**	**CP / ECTS**	**Term (Semester)**
LECTURE: **Potential traumatic life events and health across the life course**	Potential traumatic life events (PTE) have an impact on (mental) health. The specific aims of this course are: 1) to define potentially traumatic life events; 2) identify vulnerable groups and the impact of PTEs; 3) recognize trajectories of health impacts; 4) get to know intervention models to mitigate the impact of traumatic life events.	**Mrs. Jutta Lindert**	**4**	**spring**
LECTURE**: Creative Writing in Social and Educational Work** (online)	"Fiction gives us empathy: it puts us inside the minds of other people, gives us the gifts of seeing the world through their eyes. Fiction is a lie that tells us true things, over and over", said Neil Gaiman and explains at the same time why creative writing is a good company ion if your work in a social institution. You will learn on a practice-based method how writing works and how and why writing can be used in social work.	**Mrs. Segebade**	**3**	**spring**
BLOCK SEMINAR: **Body Based Methods in Social Work: Psychomotricity for Empowering Children and Families**	This practice-oriented weekend seminar (Fr/Sa/Su) introduces fundamental psychomotor principles of empowerment and personal development, not only through theoretical input but primarily through embodied, movement-based self-exploration. The seminar includes relaxation techniques, body awareness exercises, and cooperative group activities and games. Learning outcomes are largely based on the group's willingness to reflect on their personal experiences in relation to their own professional field within social work. No prior experience or specific physical abilities are required. Participants are invited to wear comfortable clothing suitable for movement. Please bring enough to drink and eat for the breaks with you (the cantine is closed on the weekend).	**Mr. Schmid**	**3**	**spring**
Counseling and Interviewing in Social Work	This course introduces students to the principles of Nonviolent Communication (NVC) according to Marshall Rosenberg. Through interactive exercises and reflection, students develop key skills such as empathy, active listening, and needs-based communication. As part of the final assessment, students apply the NVC concept to a specific field of social work.	**Mrs. Henn**	**2**	**spring**
German Language Course	German language course on different levels	**tbd**	**5**	**spring**

Faculty of Maritime Sciences (Campus Leer)

MARITIME SCIENCES (required language level B2) BACHELOR LEVEL	Study course	Lecturer	CP / ECTS	Term (Semester)
LECTURE: **Basics of Nautical Science: Part 1 (Professional Practice), Part 2 (Maritime Project), Part 3 (Public Shipping Law)**	Nautical Science and Maritime Transport (NSMT)	Ms. Beelmann/Mr Vahs/Mr.Müller	10	spring (1)
LECTURE: **Mathematics 1 (Linear Algebra)**	Nautical Science and Maritime Transport (NSMT)	Mr. Göken	5	spring (1)
LECTURE: **Physics**	Nautical Science and Maritime Transport (NSMT)	Mr. Meyer	5	spring (1)
LECTURE: **Navigation 1 (Classical Navigation**)	Nautical Science and Maritime Transport (NSMT)	Ms. Knoop	5	spring (1)
LECTURE: **Meteorology**	Nautical Science and Maritime Transport (NSMT)	Mr. Göken	5	spring (3)
LECTURE: **Ship Theory**	Nautical Science and Maritime Transport (NSMT)	Mr. Plawenn - Salwini	5	spring (3)
LECTURE: **System Monitoring**	Nautical Science and Maritime Transport (NSMT)	Mr. Meyer	5	spring (3)
LECTURE: **Computer Science**	Nautical Science and Maritime Transport (NSMT)	Mr. Werning	5	spring (3)
LECTURE: **Business Administration**	Nautical Science and Maritime Transport (NSMT)	Mr. Heilmann	5	spring (3)
LECTURE: **Mathematics 2 (Analysis)**	Nautical Science and Maritime Transport (NSMT)	Mr. Göken	5	spring (3)
LECTURE: **Navigation 2 (I): Techn. Navigation 1 + Radar Technology***	Nautical Science and Maritime Transport (NSMT)	Ms. Knoop/Mr. Plawenn-Salvini	5	fall (4)
LECTURE: **Watchkeeping***	Nautical Science and Maritime Transport (NSMT)	Mr. Plawenn - Salwini	5	fall (4)
LECTURE: **Human Resource Management**	Nautical Science and Maritime Transport (NSMT)	Ms. Beelmann	5	fall (4)
LECTURE: **Maritime English**	Nautical Science and Maritime Transport (NSMT)	Ms. Walden	5	fall (4)
LECTURE: **Medical Care**	Nautical Science and Maritime Transport (NSMT)	Ms. Winther	5	fall (4)
LECTURE: **Navigation 2 (II): Astro Navigation + Techn. Nav. 2 + ECDIS***	Nautical Science and Maritime Transport (NSMT)	Ms. Knoop/Mr. Plawenn-Salvini	10	spring (5)
LECTURE: **Astronomical Navigation***	Nautical Science and Maritime Transport (NSMT)	Mr. Plawenn - Salwini	5	spring (5)
LECTURE: **Dangerous Goods***	Nautical Science and Maritime Transport (NSMT)	Mr. Bankovics	5	spring (5)
LECTURE: **Cargo Operations/Loading Technology***	Nautical Science and Maritime Transport (NSMT)	Mr. Plawenn - Salwini	5	spring (5)

MARITIME SCIENCES (required language level B2) BACHELOR LEVEL	Study course	Lecturer	CP / ECTS	Term (Semester)
LECTURE: **Energy-Efficient Maritime Transport**	Nautical Science and Maritime Transport (NSMT)	Mr. Vahs/Mr. Schwarz	5	spring (5)
LECTURE: **GMDSS***	Nautical Science and Maritime Transport (NSMT)	Mr. Bankovics	6	fall (6)
LECTURE: **Manoeuvring ***	Nautical Science and Maritime Transport (NSMT)	Mr. Vahs	5	fall (6)
LECTURE: **Emergency Management ***	Nautical Science and Maritime Transport (NSMT)	Ms. Knoop/Mr. Kreutzer	7	fall (6)
LECTURE: **Cargo Care ***	Nautical Science and Maritime Transport (NSMT)	Mr. Kreutzer	5	fall (6)
***Prerequisite: 6 months on board training prior to exchange semester**				

Courses open for Students of ALL FACULTIES

	Course Description	Lecturer	CP / ECTS	Term (Semester)
LECTURE: International Management of Small and Medium-Sized Companies	course description upon request	**Mrs. Alvares-Wegner**	**5**	**fall**
BLOCK SEMINAR: Green Economy and Digital Innovation	course description upon request	**Mr. Bruns**	**5**	**fall**
LECTURE: Managing Across Cultures	course description upon request	**Mrs. Alvares-Wegner**	**5**	**spring**
BLOCK SEMINAR: Organisational Sustainability **Prerequisiste:** Fundamental Knowledge in Sustainability	course description upon request	**Mrs. Wolf**	**5**	**spring**
ONLINE LECTURE: Our World Our Future	The course consists of: the function and understanding of our world; the impact on environment due to humans; the main problems: climate change and biodiversity; human behavior and economy; sustainability policy	**Mr. Schlaak**	**2**	**fall and spring**
LECTURE: German Courses on different levels	A1 - B2 level	**nn**	**5**	**fall and spring**