

MODULE DESCRIPTION

A Business Case: Developing a Sustainable Finance-Strategy for Petrol-Stations in Europe

Prof. Dr. Andree Elsner, TH Lübeck

In this module, you will be working on an American business case where you have to review a company's business strategy, prepare cash flow statements to evaluate a company's liquidity and conduct an analysis of the latest products. The goal is to enable the company to run a sustainable business by preparing the first interim financial statements and conceptualizing the finance and business policy.

Number of participants: 45

Warehouses in the Supply Chain

Prof. Dr. Rainer Lehmann, TH Lübeck

Warehouses and distribution centers are a crucial component of the supply chain. They are responsible for processing every B2C customer order, making them integral in adding value to the supply chain for customers. Therefore, they have to be designed to meet the requirements of a supply chain. In this course, we will discuss the relevant factors related to the design of efficient and sustainable warehouses in a supply chain. Furthermore, we will tour a company's distribution center to gain a better understanding of its warehouse operations.

Number of participants: 20

Integrated Planning a Tool for Sustainable Supply Chain Management

Prof. Dr. Rüdiger Lohmann, TH Lübeck

Today many companies have suppliers and/or customers around the world. They are a part of international supply chains. In order to fulfill the "6 R's of Logistics" (right place, right time, ...), they have to allocate and utilize their resources efficiently. This is a major goal of supply chain planning. If the focus of supply chain planning is not on local optimization but on a holistic and integrated approach, it can contribute to sustainable development of companies.

Number of participants: 45

Sustainability controlling and ESG-reporting: Frameworks and impact on management control systems

Prof. Dr. Nils Balke, TH Lübeck

Sustainability is a key element of corporate strategies. In addition, corporations face legal requirements concerning ESG (Environmental, Social, Governance)-Reporting defined e.g. by the Corporate Sustainability Reporting Directive (CSRD) and the European Sustainability Reporting Standards (ESRS). This course shows, how management control systems can be adjusted to reflect

corporate sustainability goals, measures and key figures. Specific performance measurement systems like e.g. the sustainability balanced scorecard are discussed. Moreover, the current frameworks concerning ESG-Reporting are analyzed. The course work also includes case studies based on sustainability reports of multinational corporations.

Number of participants: 25

Media Camp

Prof. Dr. Karen Cabos and Johanna Helbing, TH Lübeck

In this module you will be guided to report on the summer school activities as a social media blogger.

Number of participants: 12

Sustainability and AI

Prof. Dr. Tobias Knuth, TH Lübeck

Artificial Intelligence presents both an opportunity and a potential threat to a sustainable future. The latest breakthroughs in AI offer remarkable tools for problem solving. Yet, the technological infrastructure that supports these advancements presents its own challenges. This presentation highlights the duality of AI and provides an outlook on its contribution to sustainability.

Number of participants: 20

Humanitarian Logistics

Saja Al-Khasawneh, German-Jordanian University

Number of participants: 45

Prototyping a sustainable future

Prof. Dr. Monique Janneck, TH Lübeck

How can digital tools and applications help to shape a sustainable future? In this workshop we will get to know some fundamentals of Human-Centered Design and develop analog and digital prototypes of applications that could help reach the UN sustainability goals. Programming skills are not necessary for this workshop.

Number of participants: 16

Logic and Deduction

Prof. Dr. Andreas Schäfer, TH Lübeck

For centuries, logic has been a fundamental aspect of classical education. This course covers the basics of propositional and first-order logic, as well as the concept of proof, in a condensed format.

Number of participants: 16

Temporal Logic

Prof. Dr. Andreas Schäfer, TH Lübeck

After mastering the fundamentals of logic, you will incorporate the element of time into your reasoning.

Number of participants: 16

Systems and Environmental Simulation

Prof. Dr. Maximilian Schüler and Prof. Dr. Karen Cabos, TH Lübeck

Students get an introduction and hands-on experience with modelling of natural systems. Interacting with the models on limited growth and predator/prey-relationships they build intuition on their non-linear behavior and reflect their application on challenges in the real world.

Number of participants: 13

Intercultural Competence Workshop

Nicola Graessner, Evans Gumbe, TH Lübeck

The workshop aims to help you improve your communication skills and intercultural competence, which are valuable for everyday campus life. During this workshop, you will have the opportunity to develop your intercultural competence, a skill set that is not only useful on campus but also for professional settings on the open job market. The workshop dives into the comparison of different cultures. Not only will you gain theoretical knowledge during the workshop, but you'll also have the opportunity to experience intercultural communication firsthand, thanks to the diverse range of our participants from various countries across the globe!

Coaches: Mrs. Nicola Graessner, Mr. Evans Gumbe

The workshops are led by Nicola Graessner and Evans Gumbe. Nicola Graessner is a German national with requisite training and several years of experience as an intercultural trainer, both in Germany and abroad. She has traveled extensively and has spent many years studying, living and working in various countries around the world.

Evans Gumbe is a German national with an Afro-British background. He holds the requisite training in intercultural communication from Great Britain and has extensive experience as an intercultural trainer, having studied, lived, and worked in various countries around the world. He is a highly

experienced trainer and consultant in intercultural communication, working with various target groups in universities, research institutions and international companies.

INFORMATION ABOUT THE SOCIAL ACTIVITIES

Welcoming and breakfast together

In the morning, we welcome our summer school students and gather for a cup of coffee or tea and some breakfast.

Campus Rally

In small groups, the participants explore the campus, face tricky, fun and educational tasks and, by doing so, get to know the campus better. The winning team will receive an award. Good luck!

Seagulls Tour

TH Lübeck has had a Formula Student Team since 2018 and you'll have the opportunity to take a closer look behind the scenes. Formula Student is an international design and construction competition in which student teams from different countries attempt to design, construct, manufacture, and race a racing car. Not only is the production of the car one of the challenges, but areas such as project management, marketing, sponsoring, and procurement are also in the hands of students. This multitude of tasks demands a wide range of skills, so students from different study programs, semesters, and personalities are involved as part of the team.

Escape Tour

In late 1806, Joachim Murat, the brother-in-law of Napoleon Bonaparte, came to power in the German Hanseatic city of Lübeck. However, in an attempt to prove himself to the "Emperor of the French," Murat lost his sanity. The women of Lübeck were not safe when he was around. Moreover, he was convinced that the events of his life were caused by supernatural forces.

It soon became clear that the population was better off with the man who had driven Murat out of the city (no sweetheart either, by the way). Gebhard Leberecht von Blücher responded to the call and summoned his fifteen thousand men to leave for the city. This was the signal for Murat to flee Lübeck!

Just like Joachim Murat, you will try to escape the city unseen with the Escape Tour Lübeck. With a smartphone in your hand, you will pass by the most beautiful places and get to work with riddles, assignments, and clues. Will you manage to find the secret exit within 2 hours? If so, you will have a chance to win a spot on our Wall of Fame!

Grenzdokumentationsstätte

Learn more about German history, specifically the fall of the Berlin Wall and the opening of the border between East and West Germany on November 9th, 1989. The wall was constructed by East Germany

and stood for several decades, creating an almost impenetrable division. The separation of East and West caused immense suffering for the German people. The dramatic events of that period and their historical significance must never be forgotten. The Grenzdokumentationsstätte museum has made it their mission to preserve the memories of that historical time.

Company Visit

Dräger

Dräger manufactures medical and safety technology products and protect, support, and save people's lives around the world in hospitals, fire departments, emergency services, authorities, and in mining as well as industry. Founded in Lübeck in 1889, Dräger has grown into a worldwide, listed enterprise in its fifth generation as a family-run business. Dräger has more than 16,000 employees worldwide and is present in over 190 countries around the globe. Dräger technology is used all over the world. The company operate in around 50 countries with own sales and service companies directly on location where the customers are.

Here is a sneak peak of the Dräger exhibition.

Information Event about Studying Aboard

You are interested in studying at TH Lübeck for a longer period of time? You are a German student consider studying aboard? You may have many questions, which we are happy to answer in this event.

Escape Room

You wake up on a spaceship... You've lost your memory... and have no idea what you're in for!
Several central ship functions are down...
The interior is pretty ragged and needs a clean-up...
The chief engineer who held it all together is on vacation...
The captain, who could give instructions, is at a conference...
The central computer is spreading panic and making cynical comments instead of helping...

Under time pressure, your task is to save the spaceship from a massive disaster with your team,

The Escape Room was constructed during a mandatory internship of all freshmen students in the electrical engineering department.

Excursion to Hamburg

Not far from Lübeck is another beautiful northern city – Hamburg. We will explore the city, visit the Elbphilharmonie, go on a boat trip, enjoy a 'Fischbrötchen' or 'Franzbrötchen' and visit either a

brewery or a chocolate museum. Afterwards, you can choose how you would like to spend the rest of the day.

Travemünde Week and Sailing Trip

World-class regatta sailing meets a maritime festival with a big heart. When the who's who of international sailing meets in Travemünde every year, the audience gets to experience the thrilling races on the waves of the Baltic Sea close up from the lively boardwalk. The "WE" is written in capital letters here: The people of Travemünde, local clubs, and associations enrich the Travemünde Week with their creativity. The seaside resort becomes a cosmopolitan and international meeting place where top athletes from all over the world gather together and compete.

As part of the Travemünde Week we will go on a sailing trip with an old hanseatic ship called 'Lisa von Lübeck'.

European Hansemuseum

The Hanse was the most important and powerful trading network during medieval times. With its strategic position in the Baltic Sea region, the city of Lübeck developed into one of the most important trading partners of the alliance. As a pioneer of our modern understanding of the economy, the Hanse still shapes the politics, economy, and society of Europe today.

As a cultural and educational center, the European Hansemuseum is one of the best addresses for Hanse history worldwide. In cooperation with the affiliated 'Research Centre for the History of the Hanse and the Baltic Sea Region', the latest findings are made accessible.

Dinner together

On the final day of our summer school, we will get together for a barbecue on campus.