

# Open Lectures for International Students

## *Studying at Hochschule Stralsund – University of Applied Sciences*



Bildnachweis: TMV/Tiemann

## **Welcome to HOST**

### **Webinar + Q&A: Why study in Stralsund?** *Short introduction by the International Office*

**Lecturer:** Wencke Wendlandt, Incoming Coordinator  
**Date and time:** March 29, 2022, 1 p.m. (CEST)  
**Platform and link:** [GoToMeeting](#)

Hochschule Stralsund – University of Applied Sciences has a lot to offer. Here you will learn more about its English programmes, how to apply and how studying and living in Stralsund is like.

### **School of Mechanical Engineering**

#### **Open Lecture I: Thermodynamics of Multicomponent Systems *Master Programme “Simulation and System Design”***

**Lecturer:** Dr. Rico Kühlewind  
**Date and time:** March 30, 2022, 11:30 a.m. (CEST)  
**Platform and link:** [Microsoft Teams](#)

The lecture will cover the basics of thermodynamics, particularly the Second Law of Thermodynamics. We will explore the concepts of energy conservation and work. Furthermore, some practical examples and problems will be discussed.

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#### **Open Lecture II: Quality in Automotive Industry *Master Programme “Simulation and System Design”***

**Lecturer:** Prof. Dr.-Ing. Steven Dühring  
**Date and time:** April 01, 2022, 8:00 a.m. and April 05, 2022, 11:30 a.m. (CEST)  
**Platform and link:** [BigBlueButton](#)

This lecture is all about quality: The term itself and its various definitions. You will learn about Total Quality Management (TQM) and QM Systems and linked standards as well as about ISO 9001:2015 and integrated Management Systems.

## School of Electrical Engineering and Computer Science

### **Open Lecture I: Electrical Energy Conversion and Transmission *Master Programme “Renewable Energy and E-Mobility”***

**Lecturer:** Prof. Dr.-Ing. Michael Bierhoff  
**Date and time:** March 30, 2022, 2 p.m. (CEST)  
**Platform and link:** [BigBlueButton](#)

A simple DC machine model will be employed to show how engineers exploit the effects of electromagnetism for electro-mechanical energy conversion – an essential contribution to our modern lifestyle.

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### **Open Lecture II: Modelling of Physical Systems *Master Programme “Renewable Energy and E-Mobility”***

**Lecturer:** Prof. Dr. rer. nat. Johannes Gulden  
**Date and time:** March 31, 2022, 8:00 a.m. (CEST)  
**Platform and link:** [GoToMeeting](#)

The topics will cover the first sessions of my “Modelling of Physical Systems” lecture. We will talk about modelling itself. The necessity to find the system border and how to characterize different models.

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### **Open Lecture III: Power Electronics *Master Programme “Renewable Energy and E-Mobility”***

**Lecturer:** Prof. Dr.-Ing. Michael Bierhoff  
**Date and time:** March 31, 2022, 11:30 a.m. (CEST)  
**Platform and link:** [BigBlueButton](#)

A review on common power converter topologies will be presented along with corresponding applications. Especially, the evolution of multilevel three phase converters out of single phase leg (DC/DC) converters will be addressed to provide a brief and consistent overview of generic power electronics circuits.

## School of Economics

### **Open Lecture I: Advanced Leisure Management** *Bachelor Programme “Leisure and Tourism Management”*

**Lecturer:** Birgit Hafner  
**Date and time:** March 31, 2022, 5:30 p.m. (CEST)  
**Platform and link:** [BigBlueButton](#)

This lecture will give you a deep dive into service. Especially into service management as well as service innovation and development.

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### **Open Lecture II: Marketing II** *Bachelor Programme “Leisure and Tourism Management”*

**Lecturer:** Prof. Dr. Heiko Auerbach  
**Date and time:** April 4, 2022, 2 p.m. (CEST)  
**Platform and link:** [GoToMeeting](#)

The course aims at providing theoretical foundations and practical application of marketing of services in tourism industries. Topics include the nature of services, marketing framework and the marketing mix for services, service encounter, human factor, service quality, and complaint management.

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### **Open Lecture III: Transport for Leisure and Tourism** *Bachelor Programme “Leisure and Tourism Management”*

**Lecturer:** Dr. Acácia Malhado  
**Date and time:** April 4, 2022, 5:30 p.m. (CEST)  
**Platform and link:** [BigBlueButton](#)

The course aims at providing theoretical foundations and practical application of marketing of services in tourism industries. Topics include the nature of services, marketing framework and the marketing mix for services, service encounter, human factor, service quality, and complaint management.