### Module Nr. 225

**Title**: International Operations and Supply Chain Management

**Applicability**: Compulsory

**Language of Instruction**: English

**Teaching Methods**: Seminar

**Frequency of offer**: Weekly

**Semester**: Semester 6

**SWS**: 4

**ECTS-Credits**: 5

**Workload**: 50 / 40 / 40 / 20

**Corresponding Courses**: None

**Prerequisites**: None

**Assessment Method**: SP/StA

**Exam aids to be used**: None

**Responsibility for the course**: Prof. Dr. André Krischke

**Lecturer(s)**: Prof. Dr. André Krischke und alle Lehrbeauftragten des SCM Schwerpunktes

### Learning outcomes / skills:
Based on the assessment of future developments in supply chain and logistics technologies and their options for business growth students acquire methods for drafting and implementing a SCM strategy and executing the strategy in an international context. This is based on the students’ sound (undergraduate) knowledge of business processes, IT and logistics management. The main acquired competencies can be described as:

- Acquire general understanding of how Global Logistics and Supply Chain can create Customer and Business Value in an International Business
- Acquire specific knowledge how the Operations and Logistics functions has to be designed an managed in a Manufacturing and Service Organization
- Acquire specific knowledge how to manage Operations & Logistics in an international context
- Know how or run Sourcing and Supply Management in a global business network
- Be able to apply the acquired knowledge in real world case studies and simulations

### Contents:
Following an Introduction into Global Logistics and Supply Chain the lecture will cover selected topics, like:

- Introduction in Global Logistics and Supply Chain
- Creating (Customer) Value
- Beer Game (Communicating Information)
- Logistics in Manufacturing and Service Organization
- Managing Operations & Logistics internationally
- Sourcing and supply Management
- Supply Chain Planning & control (Info Communication)
- Integrating the Supply Chain
- Plane Game (JIT and agile)
- Implementing Change and lead-time frontier

### Deployed methods of business administration:

- Models and Methods of analytics (research- and analytic models): #
  - None
- Quantitative-empirical methods (comparative – statistic, mathematic methods, data analyses):
• Discussion of statistical model for process control and quality management
• Qualitative-interpretative methods (expert interview, surveys, standardized inquiry):
  • Interpretation of surveys regarding competitive advantage of global supply chain management

Methods of Teaching and Learning:

The seminar starts with lectures and is followed by interactive discussions with the participants, case studies, group discussions and analyses of the results. The lecture is a mixture of practice and principles of operations and supply chain management mainly acquired in a self-guided learning process by thorough reading and case preparation, team and project work.

Literature:

• Sadler, I. (2012): Logistics and Supply Chain Integration, Sage
• Abele, E. et al. (2012) Global Production, Springer