

Module Description

International Logistics

General Information
Number of ECTS Credits

3

Abbreviation

TSM_Logistic

Version

2.12.2016

Responsible of module

Stefan Dingerkus, ZHAW

Language

	Lausanne	Bern	Zürich
Instruction	<input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input checked="" type="checkbox"/> E
Documentation	<input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input checked="" type="checkbox"/> E
Examination	<input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input checked="" type="checkbox"/> E

Module category

- Fundamental theoretical principles
- Technical/scientific specialization module
- Context module

Lessons

- 2 lecture periods and 1 tutorial period per week

Brief course description of module objectives and content

The focus of the module is on the various logistics strategies and structures in the international environment, and especially on the different types of transport. In addition, the increasing importance of logistics within globally operating companies is examined and the latest trends in international logistics analyzed.

Aims, content, methods
Learning objectives and acquired competencies

- The module provides the necessary knowledge to understand the variety of possible logistical concepts. The students will be able to derive the correct strategies from given targets, design a possible operating strategy for the planned issue and balance this with the capabilities of the solution found
- This will be achieved through the knowledge of strategies, structures and technical elements, based on the design principles of different procurement and distribution needs of multiple branches
- Corresponding exercises will deepen the lecture content through examples and tasks; in addition, a group assignment must be presented.
- Logistics experts present interesting case studies from real life

Contents of module with emphasis on teaching content

- Models and concepts of international logistics
 - Strategies, Risks, Manageability & Controlling, Interfaces internal/external logistics & to 3rd parties, Structural elements of warehousing & transportation networks (national / regional / global)
- Technical elements of warehousing and transport (central point: traffic logistics)
 - Rail, Road, Air, Sea
- Rules & Regulations in international logistics
 - Safety, Regulatory, Dangerous goods, Important international organizations, Customs...
- Understanding logistics as a core competence of internationally operating companies
 - Understanding logistics as a differentiating factor
 - Recognizing the increasing importance of international logistics for economic success

Teaching and learning methods

- Lectures / presence
- Tutorial / presence
- Group assignment / presence, self study

Prerequisites, previous knowledge, entrance competencies

- Basic knowledge in operations management
- Good knowledge of English
- Laptop with Acrobat Reader & MS Excel

Literature

- Logistics & Supply Chain Management, Martin Christopher, Fourth Edition, 2011
- Exercises will be delivered during the course

Assessment**Certification requirements for final examinations (conditions for attestation)**

Presentation of the group assignment

Duration of exam : 120 minutes
Permissible aids: Open book, no computers