

**Module Description**

# International Logistics

**General Information**
**Number of ECTS Credits**

3

**Abbreviation**

TSM\_Logistic

**Version**

19.02.2015

**Responsible of module**

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**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 checked="" 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 checked="" 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 checked="" 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 of logistics
- Basic knowledge in operations management
- Good knowledge of German and English
- Laptop with Acrobat Reader & MS Excel

**Literature**

- International Logistics: Global Supply Chain Management, Douglas Long, 2003
- 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