International Logistics

General Information

Number of ECTS Credits	
3	
Module code	
TSM_Logistic	
Valid for academic year	
2019-20	
Last modification	
2019-07-17	
Coordinator of the module	
Luca Canetta (SUPSI, luca.canetta@supsi.ch)	
Explanations regarding the language definitions for each location:	

- Instruction is given in the language defined below for each location/each time the module is held.
- Documentation is available in the languages defined below. Where documents are in several languages, the percentage distribution is shown (100% = all the documentation).
- The examination is available 100% in the languages shown for each location/each time it is held.

	Berne	Lausanne			Lugano	Zurich		
Instruction						**X** E 100%		
Documentation						**X** E 100%		
Examination						**X** E 100%		

Module Category	
TSM Technical scientific module	

Lessons	
2 lecture periods and 1 tutorial period per week	

Entry level competences

Prerequisites, previous knowledge	
None	

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

- 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

Literature

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

Assessment

Certification requirements

Module uses certification requirements

Certification requirements for final examinations (conditions for attestation)

Presentation of the group assignment

Basic principle for exams

As a rule, all the standard final exams for modules and also all resit exams are to be in written form

Standard final exam for a module and written resit exam

Kind of exam

written

Duration of exam

120 minutes

Permissible aids

Aids permitted as specified below:

Permissible electronic aids

No electronic aids permitted

Other permissible aids

Hardcopy form: open book

Kind of exam

oral

Duration of exam

30 minutes

Permissible aids

No aids permitted