

Module description

Field of study HES-SO Business, Management and Services
Degree course Master of Science in Business Administration

1 **Title of module** **Supply Chain and digital business** **2023-2024**

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| Code E.MScBA.390.OB32.E.23 | Type of course * <input type="checkbox"/> Bachelor's <input checked="" type="checkbox"/> Master's <input type="checkbox"/> MAS <input type="checkbox"/> EMBA <input type="checkbox"/> DAS <input type="checkbox"/> CAS <input type="checkbox"/> other |
| Level <input type="checkbox"/> Basic module <input type="checkbox"/> Further studies module <input checked="" type="checkbox"/> Advanced module <input type="checkbox"/> Specialised module | Description <input checked="" type="checkbox"/> In the case of definitive failure in a module defined as compulsory for successfully completing the course profile in question, the student shall be excluded from the degree programme, or from the faculty, if this is provided by the course regulations in accordance with Article 32 of the Regulations relating to first-cycle and second-cycle degrees (Bachelor's and Master's) at the HES-SO |
| | Type of module <input checked="" type="checkbox"/> Main module <input type="checkbox"/> Module linked to main module <input type="checkbox"/> Optional or subsidiary module |
| | Time schedule <input type="checkbox"/> Module over 1 semester <input type="checkbox"/> Module over 2 semesters <input type="checkbox"/> Spring semester <input checked="" type="checkbox"/> Autumn semester <input type="checkbox"/> Autres |

2 **Organisation**

| | |
|------------------------|--|
| ECTS Value 2 | Language <input checked="" type="checkbox"/> English <input type="checkbox"/> English - Chinese <input type="checkbox"/> English - Russian <input type="checkbox"/> French <input type="checkbox"/> French - English <input type="checkbox"/> French - German <input type="checkbox"/> French - German - English <input type="checkbox"/> German <input type="checkbox"/> German - English |
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3 **Prerequisites**

- The following module(s) must have been validated
- The following module(s) must have been attended
- none
- other

Other prerequisites

4 **Skills to be gained / general learning objectives**

Supply Chain Management & Digital Business

This course prepares students for international management and leadership positions. The goal is to contribute to the development of their supply chain management competences. This part is focused on mega trends and its influence on supply chain management: there is a continuing growth of the rural areas worldwide, with wealth shifting into regions that have not been served before.

Supply Chain Management

At the end of the course, the student should have acquired some key points which enable her/him to establish a stable supply chain from their production plant to customers respectively from their suppliers to the production.

The student should be able to :

Describe the necessary steps in establishing a working Supply Chain by taking into consideration digital tools.

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5 Teaching and content

The course is divided in two parts:

Part 1: Supply Chain Management

This first part is focused on the subjects of Supply Chain Management (SCM). We will have a closer look on the "Supply Chain Operations Reference Model (SCOR)". Based on the SCOR Model students will learn the different stages (plan, source, make, deliver, re-deliver) on how establishing a stable supply chain. The implementation of a functioning Supply Chain (SC) needs to respect the habits of the countries concerned.

By the end of this part of the course, the participants will have a better understanding of:

- The importance of all stakeholders along the SC
- The obstacles by implementing a SC
- A selection of tools to implement a successful SC

Part 2: Digital Business and Supply Chains

In this part we focus on the importance of data-driven Supply Chains and the digital business opportunities in Eurasia

By the end of this part of the course, the students will have a better understanding of:

- The value drivers of the e-supply chain
- Future consumer demands on SC's (time to market, quality, sustainability etc.)
- The Supply Chain Ecosystem and its importance (machine learning, the usage of Blockchain-technology in SC's, transparency, mass migration, worker abuses etc.)
- The importance of people in a digital supply chain
- The difference between a linear and circular supply chain
- Students can make the difference between IOT, Big Data analytics and robotics
- They know the importance of technology along the SCM 4.0
- They are aware of the importance of common objectives along the supply chain

6 Assessment and validation methods

Supply Chain and Digital Business

100% of final grade:

Students will be assessed on their competence to design stable Supply Chains and its Supply Chain EcoSystems including digital aspects in in a multicultural and multinational environment.

The assessment will be a 60-minute online exam which is based on the learnings during classes. The exam can be case study based, multiple choice questions and knowledge questions. The exam is open book.

Remediation is possible. The exam modalities are the same as for the ordinary exam.

7 Reassessment requirements *

- reassessment possible
- no reassessment
- other (please specify below)

other reassessment modalities

7a Reassessment requirements (if module is repeated) *

- reassessment possible
- no reassessment
- other (please specify below)

8 Remarks

9 Bibliography

Webcontent

The links and readings will be communicated within the Syllabus which will be published on Cyberlearn

10 Teaching staff

Name of head of module *

Karine Doan

Description validated on *

13.09.2023

Description validated by *

Lukas Baschung