

Supply chain in commercial company

EM05HM24B1

Program

PGE
PGE 2A - SUPPLY CHAIN MANAGEMENT

UE

Supply chain in commercial company

Semester

B

Discipline

Supply chain management

Contact hours

27 H

Number of spots

45

Open to visitors

Yes

Language



Coordinator



Eric REINHARD

List of lecturers

Lecturer(s)	Email	Contact hours - lecture
Eric REINHARD	eric.reinhard@hartmann.fr	27 h

Pedagogical contribution of the course to the program

LEARNING GOAL 1 : Students will master state-of-the-art knowledge and tools in management fields in general, as well as in areas specific to the specialized field of management.

Students will identify a business organization's operational and managerial challenges in a complex and evolving environment.

Students will understand state-of-the-art management concepts and tools and use them appropriately.

Students will implement appropriate methodologies to develop appropriate solutions for business issues.

Description

Course aim: Get familiar with the Supply Chain Strategy, its challenges, and its operational applications.

Course description: Supply Chain Management continues to transform the competitive landscape and has become a key business issue for companies. A concrete and operational approach.

Intended learning objectives:

- Identify how supply chains are structured
- Make the link between the company's core strategy and the supply chain
- Apply the supply chain English vocabulary
- Understand the benefits of collaboration within supply chains
- Improve the supply chain performance, by understanding the challenges.

Teaching methods

Face-to-face

- Lectures

- Tutorials

In group

- Exercises

Interaction

- Discussions/debates
- Games (educational, role play, simulation)

Others

No items in this list have been checked.

Learning objectives

Cognitive domain

Upon completion of this course, students should be able to

- - (level 1) **acquire** the supply chain English vocabulary
 - - (level 2) **elaborate** a scoreboard and map a supply chain
 - - (level 3) **discover** how to structure a supply chain with the SCOR Model provided by the ASCM APICS.
 - - (level 3) **apply**
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Affective domain

Upon completion of this course, students should be able to

- - (level 1) **choose** the good KPI's and Best Practices.
 - - (level 2) **discuss** how the S&OP supports the Business Plan achievement
 - - (level 4) **analyze** how to reduce the inventory by applying advanced supply chain practices.
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Outline

Day 1: Strategy and Supply Chain for commercial companies.

Day 2: The SCOR Model: how to model a Supply-Chain with SCOR

Day 3: Improve SC performance with metrics and best practices

Day 4-5: The Beer Game and Working together (Sales and Operations Planning process, VMI)

Day 6-7: The working capital challenge: Inventory management, SC future levers of success and challenges.

Day 7: Business Analytics applied to commercial companies.

No prerequisite has been provided

Knowledge in / Key concepts to master

Excel.

Basic Business knowledge.

Teaching material

Mandatory tools for the course

- Computer
- Calculator
- Reference manuals

Documents in all formats

- Case studies/texts

Moodle platform

- Upload of class documents
- Interface to submit coursework

Software

No items in this list have been checked.

Additional electronic platforms

No items in this list have been checked.

Recommended reading

Main reading material

S.Cohen, J.Roussel, Strategic Supply Chain Management, ed. McGraw-Hill; 2nd Ed. 2013

Additional literature

Hau L. Lee et V. Padmanabhan, « Information distortion in a supply chain: The bullwhip effect », Management Science 43, no 4 (avril 1997): 546.

Thomé, A. M. T., Scavarda, L. F., Fernandez, N. S., & Scavarda, A. J. (2012). Sales and operations planning: A research synthesis. International journal of production economics, 138(1), 1-13.

Benjamin T. Hazen et al., « Data quality for data science, predictive analytics, and big data in supply chain

management: An introduction to the problem and suggestions for research and applications », International Journal of Production Economics 154 (1 août 2014): 72-80

Wang Xun, Disney Stephen M., " The bullwhip effect:Progress,trends and directions", European Journal of Operational Research 250 (2016) : 691-701

Gang Wang et al., « Big data analytics in logistics and supply chain management: Certain investigations for research and applications », International Journal of Production Economics 176 (1 juin 2016)

EM Research: Be sure to mobilize at least one resource

Textbooks, case studies, translated material, etc. can be entered

Reinhard Eric, PhD Thesis : Contribution méthodologique à l'introduction du Lean Office dans un service support de gestion des approvisionnements. <http://www.theses.fr/22379242X> (2017)

Assessment

List of assessment methods

Final evaluationOther (date, pop quiz, etc.) : 15 jours après le dernier cours

Written (300 Min.) / Individual / English / Weight : 100 %

Details : Travail individuel, rédaction d'un Executive Summary synthétisant les connaissances acquises. Rendu 15 jours après le dernier cours.

This evaluation is used to measure L01.1, L01.2, L01.3, L02.2, L02.3, L01.1, L01.2, L01.3, L02.2, L02.3, L01.1, L01.2, L01.3, L02.2, L02.3, L01.1, L01.2, L01.3, L02.2, L02.3, L01.1, L01.2, L01.3, L02.2, L02.3, L01.1, L01.2, L01.3, L02.2, L02.3