

# Basics in Supply Chain Management Gr. 1 (EM1F4M44B1)

Program	PGE
Module / ECTS / Path / Specialisation	<b>Module :Basics in Supply Chain Management : 5 ECTS.</b> <ul style="list-style-type: none"><li>• BEM Bachelor in European Management</li><li>• PGE 2A - English track</li></ul>
Discipline	Supply Chain Management
Year	2019
Semester	B
Open for visitors	yes (5 ECTS)
Available places	40

## Coordinator

YUAN YAO

## Lecturers

Instructor	Population	Email
YUAN YAO		<a href="mailto:yuan.yao@em-strasbourg.eu">yuan.yao@em-strasbourg.eu</a>

## Course format

Working language :	English
Volume of contact hours :	27 h
Workload to be expected by the student :	108 h

## Course track

Track : Attendance

### "Attendance" track :

Attendance at lecture / tutorial classes and intermediate / final exams is mandatory. As evaluation of in class work constitutes an essential element of grading, any absence will be penalized and is taken into account for grading purposes (see academic rules and regulations).

### "Autonomous" track :

Attendance at intermediate / final exams is mandatory, but students are free to attend lecture / tutorial classes.

For all Master programs and all other programs realized in the form of dual internships (apprentissage), attendance at lecture / tutorial classes and intermediate / final exams is entirely mandatory. Therefore, only the "Attendance" track

can be selected.

## Contribution of the course to the educational objectives of the programme

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**How the course contributes to the programme :**

### Description

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This course aims help students understanding the basic concepts, principles and strategies in Supply Chain Management. An overview of the terminology, fundamental concepts and functional scope of responsibility encountered in the field of supply chain management will be covered, such as transportation, purchasing, distribution, inventory, operation, quality management, and also sustainable supply chain.

This course stresses concepts, and strategies that can be applied to the operation, management and design of supply chain.

The course use the following organisation: lectures, discussion, in-class presentations, after-class projects in group, academic papers lecture and analysis.

Pay attention: this course is designed for students who have never learned or learned very few on logistics or supply chain in business context. So it isn't proposed to students have advanced knowledge in supply chain management, for example graduate level students.

### Educational organisation

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In class

**Lectures**

**Presentations**

**Tutorials**

In groups

**Exercises**

**Projects**

**Case studies/texts**

**Oral presentations**

Interaction

**Role play**

**Discussions / debates**

Assignments

**Readings**

### Learning outcomes

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**Upon completion of this course, students should be able to :**

- **Discuss** and become familiar with supply chain strategies that have been adopted by leading companies

- **Illustrate** and recognize salient challenges and opportunities for managing supply chains
- **Illustrate** examples of different supply chains
- **Analyze** supply chain issues and examine possible solutions

## Outline

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### Session 1 : Transportation and Logistics

This session aims to introduce the different transportation solutions in industry.

- (1) Motor Freight
- (2) Air Freight
- (3) Train Freight
- (4) Other transportation
- (5) Intermodal and Express Delivery
- (6) Transportation in Europe

### Session 2: Inventory Management

This session aims to introduce the warehouse and inventory management in SCM.

- (1) Warehouse Facilities
- (2) Inventory Management
- (3) Logistics Network Design

### Session 3: Supply Chain Operation

This session aims to introduce the production and operation issues in SCM.

- (1) Production: Process Design
- (2) Operation: Capacity Design

### Session 4: Supply Chain Planning

- (1) Forecasting Methodology
- (2) Supply Chain Planning

### Session 5: Supply Chain Sourcing

- (1) Mid-Term Test
- (2) Purchasing
- (3) Supplier Management

### Session 6: Supply Chain Quality Management

- (1) 6 Sigma
- (2) Lean Management
- (3) Other Quality management

### Session 7: Supply Chain risk management and sustainability

- (1) Supply chain risk management
- (2) Supply chain sustainability

### Session 8: Information systems in Supply Chain

- (1) Information system
- (2) Internet of Things, Blockchain
- (3) Supply Chain Finance

Session 9: Final presentation of Group project

## Prerequisites

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### Key concepts to understand :

English reading, speaking and writing

### Knowledge of :

international business

## Teaching material

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### Documents in all formats

- Syllabus
- Newspaper articles
- Case studies

## Software

- Office Pack (Word, Excel, PowerPoint, Access)
- MS POWERPOINT

## Recommended reading

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### Major works :

- Rushton et al, (2014), Handbook of logistics and distribution management, Kogan Page
- Christopher Martin, (2016), Logistics & Supply Chain Management, FT Publishing International

### Further reading :

- C. Donald J. Waters,(2007), Global Logistics: New Directions in Supply Chain Management, Kogan Page Publishers

### Research works by EM Strasbourg :

## Assessment

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### Intermediate evaluation / continuous assessment 1 : session n° 5

written (30 min) / individual / English / weighting : 20%

additional information : mid-term test about supply chain management knowledge

**This evaluation serves to measure LO1.1, LO1.2, LO1.3**

### Final assessment : exam week

written (120 min) / individual / English / weighting : 40%

additional information : Final Exam Identification of problems, understanding of state of art, Choice of methodology ( LO. 1.1 / LO1.2 / LO. 1.3)

**This evaluation serves to measure LO1.1, LO1.2, LO1.3**

### Final assessment : last session

written + oral (50 min) / in group / English / weighting : 40%

additional information : Projects in group as homework (field study, case study) Collaboration in team, Decision-Making, Effective Oral and Written Communication ( LO. 2.1 / LO2.2 / LO. 2.3) , Analyse the strategy in an International context (LO 4.2)

**This evaluation serves to measure LO2.1, LO2.2, LO2.3, LO3.1, LO4.2**

## Grounds for expulsion from classes

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Such behaviors as...

**arriving late, leaving early or unannounced leaving of the classroom during class time**

**disruptive eating or drinking in class**

**using smartphones and laptops for non class-related purposes**

**reading non class-related documents**

**chatting on non class-related issues**

**showing disrespect towards lecturers**

... may lead to expulsion from classes.