

## Global Supply Chain Management

ECTS : 3

### Description du contenu de l'enseignement :

This course introduces the supply chain concept and is dedicated to familiarizing the students with the Supply Chain operations, issues, trends, and challenges in a VUCA environment. In addition, as this course is international-business development oriented, it shows the tight links between international strategy, value creation and supply chain strategy through examples of global supply chains.

This course is organised in a workshop to allow students to integrate supply chain approach into a business development strategy. From the Dyntech case, students will focus on one specific supply chain issue and submit a continuous improvement plan aligned on the business strategy of the company.

### Course structure

1 and 2

- Background, definition, perimeter, operations, organisation, flows (distribution, information, and financial flows) and forecasts
- The supply chain a competitive driver to sustain the international strategy of a company, how and why, issues?
- Integration of the supply chain resources into a business development strategy

### Sessions 3 to 8 – Workshop – Dyntech case study – Group work organised in Project Teams

3 Workshop Based on the DMAIC methodology (Define, Measure, Analyse, Improve, Control)

- Define current situation of the company's strategy and supply chain management practices
- Map current value chain and identify strengths and Weaknesses of the Dyntech supply chain
- Measure current business and supply chain results

4 Workshop

Define strategic goals and objectives of the business and its supply chain (future situation)

5 Workshop

- Analyse value chain weaknesses
- Conduct Root Cause Analysis

6 Workshop

- Conduct Gap Analysis
- Identify paths of improvement

7 Workshop Elaborate continuous improvement plan (project management approach) including budget, risks and change management

8 Workshop

Submit continuous improvement plan

### Compétence à acquérir :

- Have an end-to-end understanding of a global and customer-driven Supply Chain
- Understand cross-functionality issues within the frame of a continuous improvement approach (process analysis and interrelationships between processes)
- Understand planning and forecasting issues
- Understand risks issues
- Understand how the supply chain can be turned into a competitive advantage for companies operating on international markets

### Learning outcomes

- Have command of the basic knowledge required to understand Supply Chain operations, planning and future challenges (4.0 Revolution)
- Be able to define and formalize supply chain strategic goals and objectives with a Kaplan matrix
- Be able to understand, produce and analyze a Supply Chain map
- Be able to synchronize a business development strategy with a supply chain strategy
- Be able to identify competitive drivers in the international supply chain
- Be able to formalize and submit a continuous improvement plan of supply chain processes with a view to international business development

**Mode de contrôle des connaissances :**

The project team and its members will be assessed as follows

- All works produced by the Project Team are assessed (written and oral work). This covers the tools and the final report (continuous improvement plan)
- The individual engagement in the project activities is also assessed as well as the individual performance during the project submission (oral)
- The individual REX is assessed

The weight of the individual grades is higher with a coefficient = 3

**Bibliographie, lectures recommandées :**

- Logistics and Supply Chain Management – Creating Value, adding networks – de Christopher Martin
- Operations Management in Supply Chain – Decisions and Cases – Schroeder, Meyer Goldstein, Rungtusanatham - 6th edition - – **Recommended** –
- <http://www.supplychainquarterly.com/whitepapers/> - white papers
- Supply chain dive operations website – free newsletter