Basics in Supply Chain

Infos pratiques

> ECTS: 4.5

> Nombre d'heures: 18.0

> Langue(s) d'enseignement : Anglais

> Niveau d'étude : BAC +4

> Période de l'année : Enseignement septième semestre

> Méthodes d'enseignement : En présence

> Forme d'enseignement : Travaux dirigés

> Ouvert aux étudiants en échange : Oui

> Composante : Langues et cultures étrangères

> Code ELP: 4V7AISCP

Présentation

Syllabus:

1 - Logistics and Supply Chain

- Background, definition, perimeter, operations (inbound and outbound logistics), flows
- From logistics to Supply Chain, the different organisations of the Supply Chain, map of flows and operations
- Internal environment: relations between the organisational structure of the company and the organisation of the Supply Chain, process and system approaches, interrelationships and cross-functionality within the Supply Chain
- External environment: managing operations globally, impact of globalisation issues and stakes on the management of flows, impacts of the OmniChannel era on the Supply Chain

2 - Supply Chain Management

- SCM Concept, definition, perimeter, missions, core processes, SCOR model (Supply Chain Operations Reference model)
- Strategic, tactic and operational components of the Supply Chain Strategy,
- Supply Chain strategies: distribution, transport, production, inventory, sourcing,

- Information flow and IT tools : needs, sources, role, management, tools
- Value creation and Supply Chain Management key issues,
- **Demand planning**: definitions, planning levels, required data, objectives,
- Demand planning tools (plan what with what tool?) Strategic Plan, Strategic Marketing Plan, S&OP (Sales and Operations Planning), Master Production Schedule, from forecasts to products distribution to end customers, DRP, CPFR, VMI

3 - Supply Chain Performance Strategy

- Defining objectives and monitoring metrics: objectives, how? (the Voice of the customer, the SLA, lead times, costs, process performance) SMART method, examples of metrics and performance dashboards
- Restraining forces to Supply Chain optimisation: silo organisation, wastes, poor quality costs,
- Continuous improvement tools and levers : ABC analysis, OTIF, Customer Satisfaction Survey, supplier performance, the Total Cost of Ownership (TCO),
- Applying a DMAIC approach to suppliers' performance management (from 'As Is' to 'To be', gap analysis and action plan)

Teaching methodology:

- Lecture illustrated with articles from professional magazines/web sites
- Short cases to be analysed and presented during course (check knowledge acquisition on a continuous basis)
- MCQ and vocabulary quiz to validate knowledge acquisition

Objectifs

Training objectives:

 Acquire and have command of the basic knowledge required to understand the Supply Chain concept in an international environment; this includes the definition of the Supply Chain, the control and synchronisation of the Supply Chain flows, the demand planning and forecasting.

- Understand the issues and stakes of cross-functionality in the Supply chain
- Understand the strategic issues and stakes of the international and customer-driven Supply Chain (and of logistics)
- Understand how the Supply Chain is critical to sustain a global competitive business strategy
- Acquire the professional vocabulary of the Supply Chain

Évaluation

- · Class work and participation 40%
- Individual homework 60%

Bibliographie

- Pratique du Supply Chain Management en 37 outils Michel Fender, Franck Baron Dunod
- Logistique et Supply Chain Michel Fender et Yves Pimor - Dunod - 6ème édition -
- 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 –
- Lean Supply Chain and logistics management Paul Myerson - McGraw Hill

Ressources pédagogiques

Internet Resources and others Cases

- Short cases (starbucks, Zara, Louis Vuitton, Walmart, Ikea)
- Case for further reading

Internet sites

- Supply chain Dive operations inscription newsletter gratuite
- http://www.vestedway.com/vested-library/ case studies and white papers $\,$
- http://www.supplychainquarterly.com/whitepapers/ white papers

Contact(s)

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