

Sustainability and efficiency in Supply Chain Management

EM05HM25

Program

PGE
PGE 2A - FINANCE - COMPTABILITE

UE

Sustainability and efficiency in Supply Chain Management

Semester

B

Discipline

Supply chain management

Contact hours

27 H

Number of spots

45

ECTS

5

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

Développer un management à impact grâce aux connaissances et aux outils les plus récents dans les domaines du management

Developing a strategic and managerial vision in a complex, uncertain and changing environment

Développer des compétences managériales de niveau avancé se traduisant par un leadership responsable

Co-build a managerial and organizational culture through collaborations and team projects

Recommend decision making by taking a critical approach to driving change in organizations

Mettre en place un management responsable par des pratiques reflétant les valeurs d'éthique, de diversité et de développement durable

Critically assess issues related to diversity, ethics and sustainability in the context of their professional practice

Co-creating responsible management in one's professional practice

Pratiquer un management à impact dans un environnement multiculturel et international, porté par un "European mindset"

Formulate solutions to organizational challenges in a multicultural and international context, driven by a "European mindset"

Description

Objectives and Goals:

1. Understand the key Sustainability challenges our World has to deal with: Climate Change, Social and Ethical issues, Supply Chain disruptions.
2. Learn how to assess Sustainability according to the triple bottom line: Planet, People, Profit.
3. Discover how Norms (SDG by the United Nations, GHG Protocol, etc.), Models (SCOR, OCARA) and approaches

(LEAN) are used to develop Sustainable, Circular and Efficient Supply Chains.

Teaching methods

Face-to-face

- Lectures

In group

- Exercises
- Case studies/texts

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
None cognitive domain have been associated with this course yet

Affective domain

Upon completion of this course, students should be able to
None affective domain have been associated with this course yet

Outline

1. Climate risk and its components: Climate hazards AND exposure level AND vulnerability
2. Concepts, definitions and actors related to Sustainability issues: Resilience, Global Value Chain, Supply Chain Risk Management, Sustainable Development Goals (United Nations), etc.
3. Methods and management approaches for analyzing and improving Sustainability in Supply Chain Management:

SCOR-DS, OCARA, LEAN.

4. Business Case: stress test with a Global Value Chain example.
5. Roadmap to achieve and develop a more sustainable Supply Chain.

No prerequisite has been provided

Knowledge in / Key concepts to master

Interest in Climate Change impacts, sustainability, resiliency.

Teaching material

Mandatory tools for the course

- Computer

Documents in all formats

- Case studies/texts
- Syllabus

Moodle platform

- Upload of class documents

Software

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

Additional electronic platforms

No items in this list have been checked.

Recommended reading

Main reading material

Sustainable Supply Chain Management_Sustainability further research_Gunasekaran et al., 2017

Sustainable Supply Chain Management_Literature review_Sheakarian et al._2022

A Conceptual Framework to Manage Resilience and Sustainability in SC_Sustainability_Zavala et al._2020

Additional literature

Sustainable Development Goals-United Nations/ <https://sdgs.un.org/goals> (consulted on August 31, 2023).

GHG Protocol/ <https://ghgprotocol.org/corporate-value-chain-scope-3-standard> (consulted on August 31, 2023).

SCOR-DS: <https://www.ascm.org/corporate-solutions/standards-tools/scor-ds/> (consulted on August 31, 2023),

ASCM Standards for Sustainability: <https://www.ascm.org/corporate-solutions/standards-tools/enterprise-standards/> (consulted on August 31, 2023),

OCARA: <https://www.carbone4.com/expertises/innovation/ocara> (consulted on August 31, 2023),

EM Research: Be sure to mobilize at least one resource

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

Reinhard Eric, Thèse de Doctorat : 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 evaluation Other (date, pop quiz, etc.) : 3 weeks after last lecture

Written (240 Min.) / Individual / English / Weight : 100 %

This evaluation is used to measure ILO1.1-PGE, ILO2.2-PGE, ILO3.1-PGE, ILO3.2-PGE, ILO4.2-PGE, ILO1.1-PGE, ILO2.2-PGE, ILO3.1-PGE, ILO3.2-PGE, ILO4.2-PGE, ILO1.1-PGE, ILO2.2-PGE, ILO3.1-PGE, ILO3.2-PGE, ILO4.2-PGE, ILO1.1-PGE, ILO2.2-PGE, ILO3.1-PGE