

Course form to fill in (2021-2022)

Course title:

Sustainable Supply Chains and Logistics Management

Staff responsible for the course:

Lecturers:

First Name + Name
Anis Chelbi

1) COURSE PRESENTATION

Aims:

Draw up a list of competencies and/or skills that the student should have acquired or improved at the end of the course.

You must fill in the field under the format “the student should be able to...” using action verbs such as define, realise, control... *(This description should not take more than ten lines)*

At the end of the course, the student should be able to:

- Become familiar with supply chains including their design, planning and operations management phases.
- Recognize the important dimensions of sustainability and responsible management including CSR, ESG and triple bottom line frameworks.
- Understand the interrelationship of corporate logistics with other functions such as marketing, production, and finance.
- Discuss lean management and inventory management across supply chains and apply models to manage demand and supply uncertainties.
- Understand the scope and importance of logistics performance measurement and analyze the financial impacts of related failures.
- Use a spreadsheet (Excel) to analyze the financial implications of certain logistics decisions.
- Design a CRM (Customer Relationship Management) system in relation to the execution of customer orders by the logistics function.

Prerequisites:

You must not write courses' codes or names, but identify the preliminary skills as the knowledge or the know-how needed to efficiently follow this course.

Write it out in terms of knowledge and methodologies required to follow this course (this would help students from direct entry to position themselves). *(This description should not take more than five lines)*

No specific prerequisite is needed for this course. A basic general course on Management can help but it is not compulsory.

Course contents:

Here, an abstract of the course can be given or the different chapters of the course can be simply written down.

(The description should not take more than ten lines)

This course deals with the design and management of supply chains and logistics. We present the logistics function and its interactions with other functional areas such as marketing, finance, and production. Special attention is paid to lean management, sustainability, and responsible management across supply chains. We also deal with supply chain performance measurement from the economic, ecological, and societal perspectives. Financial analysis of the impact of logistics related failures is discussed and performed by students. Finally, we examine the fulfillment of customer orders and the design of a CRM (Customer Relationship Management) type segmentation system related to logistics. Case studies should help students learn best practices in sustainable global supply chain and transportation management.

2) WORKING LOAD

Here, you should allocate the effective working load of the course, including an estimation of the personal work required from the student.

TABLE 1

Course's types	Number of hours	Notes
<u>Effective presence</u>		
- <i>Magistral Course</i>	10	
- <i>Interactive Course</i>	3	
- <i>Tutorials</i>	3	Use of Excel to analyze the financial implications of certain logistics decisions.
- <i>Coaching</i>		
- <i>PBL Course</i>		
<u>Training from a distance</u>		
- <i>Video-conferences</i>		
- <i>Webinars</i>		
<u>Self-learning</u>		
- <i>Books 'readings</i>	3	
- <i>E-learning</i>		
- <i>Research</i>		
<u>Outdoors-training</u>		
- <i>In firms</i>		
- <i>Internship</i>		
<u>Personal work</u>		
- <i>Group Projects (Case study)</i>	4	Students will have to work on a case study related to major logistics activities with special emphasize on transportation and associated trade-offs.
- <i>Individual Projects</i>		
- <i>Personal work</i>	3	Students will have to work on a case study and solve the related performance evaluation problem using Excel.
Total working time for the student	26	

3) EDUCATIONAL METHODS

Tick here the different educational methods used:

- ☐ Coaching
- ☒ Case Study
- ☐ E-Learning and/or Self-learning
- ☒ Interactive courses
- ☐ Presentations
- ☐ Projects
- ☐ Research
- ☐ Seminars
- ☐ Tutorials
- ☐ Visits

4) ASSESSMENT

Sum up briefly the course assessment's mechanism (two or three lines) in order to introduce the assessment's table that you have to complete below (table n°2).

You must also define clearly how feedback will be given to students (in accordance with the feedback policy).

Students will be assessed on their general behavior and participation in class. They will also have to work on a case study in groups and sit for a final exam.

List the assessment for each modality.

TABLE 2

Modality	Type of control	Length (h)	Number	Weighting (%)
<u>Continuous assessment</u>	Continuous assessment			
	Mid-term exam			
	Participation	During all the course sessions		10%
	Oral presentation			
	MCQ			
<u>Final exam</u>	Oral final exam			
	Written final exam	2	1	50%
<u>Others</u>	Case study			
	Group Project	4	1	40%
	Individual Project			
	Written assignment			
	Exercises			
Total				100%

5) RECOMMENDED READING

Name of books (*indicate only three or four must-read references*) / Name of reviews:

Reference book (appellation reserved for books selected by the School and necessarily bought by all the students):

Class books :
Supply Chain Management. A Logistics Perspective. 10 th edition by Coyle, Langley, Novack and <i>Gibson</i> . CENGAGE Editions. ISBN: 978-1-305-85997-5
<i>Operations Management</i> , 14th edition by Stevenson. McGraw Hill Global Edition. ISBN: 978-1-260-57571-2

Reviews :

Internet Resources:

Please indicate here if you use the school intranet site to put on-line documents and/or if you advise the visit of web sites to students.

Name of the Website	URL
The supply Chain Council	https://www.supplychain247.com/company/supply_chain_council
The professor's slides booklet	The school Intranet