



5 credits

30.0 h

Q1

Teacher(s)	Semal Pierre ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	This introductory course provides a strategic, industrial organisational and decision making framework for the major in supply chain management. By using in-depth knowledge from the fields of operations management, operations research and economics, valuable insight can be given for complex, integrated real-life problems.
Aims	<p>During their programme, students of the LSM Master's in management and Master's in Business engineering will have developed the following capabilities'</p> <p>CORPORATE CITIZENSHIP</p> <ul style="list-style-type: none"> Decide and act responsibly, while taking into account the social, economic and environmental sometimes antinomic, outcomes in the short, medium and long term, for the various stakeholders. <p>KNOWLEDGE AND REASONING</p> <p>1</p> <ul style="list-style-type: none"> Articulate the acquired knowledge from different areas of management. Activate and apply the acquired knowledge accordingly to solve a problem. <p>TEAMWORK AND LEADERSHIP</p> <ul style="list-style-type: none"> Work in a team :Join in and collaborate with team members. Be open and take into consideration the different points of view and ways of thinking, manage differences and conflicts constructively, accept diversity. <p>----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>1. Continuous assessment</p> <p>' Date and type of assessment (work, test, other): MOOC</p> <p>2. Review during Evaluation Week</p> <p>' Q1: Monday 6 Nov. to Fri. 10 Nov. 17;</p> <p>' Q2: from Monday 19 March to Fri. 23 March 17</p> <p>3. Examination in session of examinations:</p> <p>' January: Jan. 5-26, 2018</p> <p>' June: 4 to 29 June 2018</p> <p>Oral: No</p> <p>Written: yes</p> <p>Number of hours: 3h + work</p>
Teaching methods	Lectures, Cases, videos, company visits, guest speakers
Content	The class mixes interactive seminars on the topics with case studies and corporate site visits to provide students with a feeling for the relevance and context of the subject matter. Content BUILDING A STRATEGIC FRAMEWORK TO ANALYZE SUPPLY CHAINS. Understanding the Supply Chain. Supply Chain Performance: Achieving Strategic Fit and Scope. Supply Chain Drivers and Metrics. DESIGNING THE SUPPLY CHAIN NETWORK. Designing the Distribution Network in a Supply Chain. Network Design in the Supply Chain. Network Design in an Uncertain Environment. PLANNING AND MANAGING INVENTORIES IN A SUPPLY CHAIN. Managing Economies of Scale in the Supply Chain: Cycle Inventory. Managing Uncertainty in the Supply Chain: Safety Inventory. Determining Optimal Level of Product Availability. SOURCING, TRANSPORTING, AND PRICING PRODUCT. Sourcing Decisions in a Supply Chain. Transportation in the Supply Chain. Pricing and Revenue Management in the Supply Chain. COORDINATION AND TECHNOLOGY IN THE SUPPLY CHAIN. Coordination in the Supply Chain. Information Technology and the Supply Chain. e-business and the Supply Chain. Methods : In-class activities 1 Interactive seminar 1 Project based learning 1 role playing/simulation At home activities 1 Exercices to prepare the lecture 1 Paper work 1 Students presentation

Bibliography	: No TEXTBOOK. SLIDES compulsory and available on line . BOOK : Chopra, S. and P. Meindl, Supply Chain Management: Strategy, Planning and Operation, Prentice Hall ou M. Christopher, Logistics and Supply Chain Management, FT Prentice Hall. not compulsory. READING FILE compulsory and available on line Supports available on line are on ICAMPUS.
Other infos	Prerequisites (ideally in terms of competencies) Introduction to operations management, production management and operations research. Micro economics Industrial organisation Evaluation : Case solutions including class presentations, class participation and an oral exam in English References : Provided during the class Internationalisation : 1 international content (does the course tackle international issues related to the course content ?) 1 international guests 1 international case study Corporate features : 1 case study 1 company visit Skills : 1 presentation skills 1 team work 1 problem solving 1 decision making 1 project management 1 critical thinking Techniques and tools for teaching and learning 1 modelling 1 quantitative methods
Faculty or entity in charge	CLSM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Business Engineering	INGE2M	5		
Master [120] in data Science: Statistic	DATS2M	5		
Master [120] in Business Engineering	INGM2M	5		