

5.0 credits	30.0 h	1q
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Teacher(s) :	Semal Pierre ;
Language :	Anglais
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>Having regard to the LO of the programme X, this activity contributes to the development and acquisition of the following LO:</p> <ul style="list-style-type: none"> -- 1.1. 'Demonstrate independent reasoning, look critically ' 2. Knowledge and reasoning <ul style="list-style-type: none"> 2.1. Master the core knowledge of each area of management. 2.2. Master highly specific knowledge ' 2.3. Articulate the acquired knowledge from different areas 2.4. Activate and apply the acquired knowledge ' 3. A scientific and systematif approach <ul style="list-style-type: none"> 3.1. Conduct a clear, structured, analytical reasoning ' 3.2. Collect, select and analyze relevant information ' 3.3. Consider problems using a systemic and holistic approach ' 3.4. Perceptively synthesize 'demonstrating a certain conceptual distance ' 3.5. Produce, through analysis and diagnosis, implementable solutions' 5. Work effectively in an international and multicultural environment <ul style="list-style-type: none"> 5.1. Understand the inner workings of an organization ' 5.2. Position ... the functioning of an organization, in its ... socio-economic dimensions' 6. Teamwork and leadership <ul style="list-style-type: none"> 6.1. Work in a team... 7. Project management <ul style="list-style-type: none"> 7.1. Analyse a project within its environment and define the expected outcomes' 7.2. Organize, manage and control the process, ' 7.3. Make decisions and take responsibility for them in an uncertain world ' 8. Communication and interpersonal skills <ul style="list-style-type: none"> 8.1. Express a clear and structured message' 8.2. Interact and discuss effectively ' <p>At the end of this course, the student will be able to:</p> <ul style="list-style-type: none"> -- - 1. Understand what is a supply chain and distinguish among strategic, tactic and operational SCM problems - 2. Understand the strategic fit of the supply chain of an organization with its positioning- 3. Understand and master how to structure the decision variables of a supply chain- 4. Understand the ins and outs of each decision variable- 5. Have a global picture of the real world of supply chains <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>In groups:</p> <ul style="list-style-type: none"> - International case solved in groups - Debrief of several companies visited - oral presentations of Supply Chain techniques - in-depth analysis of a company <p>Individual exam</p>
Teaching methods :	Lectures, Cases, videos, company visits, guest speakers
Content :	<p>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.</p> <p>Content</p> <p>BUILDING A STRATEGIC FRAMEWORK TO ANALYZE SUPPLY CHAINS.</p> <p>Understanding the Supply Chain.</p> <p>Supply Chain Performance: Achieving Strategic Fit and Scope.</p> <p>Supply Chain Drivers and Metrics.</p> <p>DESIGNING THE SUPPLY CHAIN NETWORK.</p> <p>Designing the Distribution Network in a Supply Chain.</p> <p>Network Design in the Supply Chain.</p> <p>Network Design in an Uncertain Environment.</p>

	<p>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</p>
<p>Bibliography :</p>	<p>: 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.</p>
<p>Other infos :</p>	<p>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</p>
<p>Faculty or entity in charge:</p>	<p>CLSM</p>

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Business engineering	INGE2M	5	-	
Master [120] in Business Engineering	INGM2M	5	-	
Master [120] in Management	GESM2M	5	-	
Master [120] in Management	GEST2M	5	-	