





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.
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p><b><i>During their programme, students of the LSM Master's in management and Master's in Business engineering will have developed the following capabilities :</i></b></p> <p><b>CORPORATE CITIZENSHIP</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul> <p><b>KNOWLEDGE AND REASONING</b></p> <ol style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Articulate the acquired knowledge from different areas of management.</li> <li>Activate and apply the acquired knowledge accordingly to solve a problem.</li> </ul> </li> </ol> <p><b>TEAMWORK AND LEADERSHIP</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul>
Evaluation methods	<p>The final grade is equal to</p> <ul style="list-style-type: none"> <li>the individual exam grade if failed;</li> <li>the weighed sum of the individual exam grade(30%), the coaching mark(15%), the debriefs of the company visits(15%), the supply chain analysis of a company (40%) otherwise.</li> </ul> <p>The individual exam is closed-book and written. It is scheduled in the regular exam session. The other assessments take place during the semester.</p>
Teaching methods	<p>This course relies on (among others):</p> <ul style="list-style-type: none"> <li>some online material on edX</li> <li>several company visits</li> <li>business cases and lectures</li> <li>guest speakers</li> </ul>
Content	<p><b>Course Objectives:</b></p> <p>At the end of the class, a student should be able to</p> <ul style="list-style-type: none"> <li>Understand what is a supply chain and distinguish among strategic, tactic and operational SCM problems</li> <li>Understand the strategic fit of the supply chain of an organization with its positioning</li> <li>Understand and master how to structure the decision variables of a supply chain</li> <li>Understand the ins and outs of each decision variable</li> <li>Have a global picture of the real world of supply chains</li> </ul> <p><b>Contents</b></p> <p><u>1. BUILDING A STRATEGIC FRAMEWORK TO ANALYZE SUPPLY CHAINS.</u></p> <p>- <b>Understanding the Supply Chain.</b></p>

	<p>- <b>Supply Chain Performance: Achieving Strategic Fit and Scope.</b></p> <p>- <b>Supply Chain Drivers and Metrics.</b></p> <p><u>2. DESIGNING THE SUPPLY CHAIN NETWORK.</u></p> <p>- <b>Production network Design.</b></p> <p>- <b>Distribution Network Design.</b></p> <p><u>3. INVENTORIES IN A SUPPLY CHAIN.</u></p>
Inline resources	The platform for exchanging information and communicating with all stakeholders will be the Moodle sites of this course: LLSMS 2030
Bibliography	<p>Useful references:</p> <ul style="list-style-type: none"> <li>• Chopra, S. and P. Meindl, Supply Chain Management: Strategy, Planning and Operation, Prentice Hall</li> <li>• M. Christopher, Logistics and Supply Chain Management, FT Prentice Hall.</li> </ul>
Other infos	Prerequisites: Regular prerequisites for a Master level course in Management.
Faculty or entity in charge	CLSM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Management	<a href="#">GESM2M</a>	5		
Master [120] in Data Science : Statistic	<a href="#">DATS2M</a>	5		
Master [120] : Business Engineering	<a href="#">INGE2M</a>	5		
Master [120] in Management	<a href="#">GEST2M</a>	5		
Master [120] : Business Engineering	<a href="#">INGM2M</a>	5		