

5.00 credits

30.0 h

Q2

This biannual learning is being organized in 2021-2022

Teacher(s)	Chevalier Philippe ;Van Vyve Mathieu ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	This course is both a basic course in operations management and in management science. Its scope consists of studying how operations management problems could be solved using mathematical models and techniques provided by operations research.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>1 At the end of the class, students should be able to specify the reference framework and the elements playing a part in the decision making process in the field of operations and production management ; to analyze these elements, in particular using mathematical models and techniques (without neglecting human factors), in order to help in the decision-making process.</p>
Teaching methods	<p>Lectures with some exercise sessions to apply the concepts.</p> <p>Some lectures might be replaced by self-learning videos that will then be followed by a live Q&A session with the presentation of exercises.</p>
Content	The course starts with an introduction to the basics of operations management and production of goods and services. Next, two topics are studied : the design of a production system and the mid to short-term planning of operations. The quantitative tools are introduced progressively with their relevance Methods Lecture and exercises (cases and problems).

<p>Other infos</p>	<p>Prerequisite : basic course in mathematics, statistics and probabilities Evaluation : open book written exam (problem solving) Support : HEIZER J. and RENDER B., Operations Management, Pearson Education (2004) References : see support Pedagogic team : assistants of the POMS unit Internationalisation 0 CEMS course 0 international content (does the course tackle international issues related to the course content ?) 0 international guests 0 international case study 0 other :</p> <p>Corporate features 0 conference 0 case study 0 corporate game 0 corporate guest 0 company visit 0 other :</p> <p>Skills 0 presentation skills 0 writing skills 0 team work 0 individual autonomy 0 problem solving 0 decision making 0 time management 0 project management 0 multicultural work 0 critical thinking 0 assertiveness 0 other :</p> <p>Techniques and tools for teaching and learning 0 IT tools 0 Internet work 0 modelling 0 simulation 0 quantitative methods 0 qualitative methods 0 mathematics 0 technology and science 0 other :</p>
<p>Faculty or entity in charge</p>	<p>CLSM</p>

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [60] in Management (shift schedule)	GEHD2M1	5		