UCL Université catholique de Louvain

LLSMG2003

2010-2011

Operational Research

5.0 credits	30.0 h

Teacher(s) :	Keymolen Guy ;
Language :	Français
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.
Aims :	At the end of the class, students should be able o 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. *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".*
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).
Other infos :	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
Cycle and year of study :	> Master [60] in Management
Faculty or entity in charge:	CLSM