

5.00 credits

30.0 h + 10.0 h

Q1

Teacher(s)	Agrell Per Joakim ;Catanzaro Daniele (compensates Agrell Per Joakim) ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Basic course in mathematics, probability and statistics
Main themes	This course is an introductory course in Operations Management. Problems occurring in an operations management setting are studied using mathematical models and techniques, or more generally a formal approach.
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>
Evaluation methods	Written exam. Precise details will be provided during the first, mandatory, lecture of the course.
Teaching methods	The lectures are illustrated by examples and provide an overview of the concepts and basic techniques. Exercise sessions emphasize the assimilation of the techniques and provide additional information where applicable, depending on the case studies at hand.
Content	<p>This course introduces to production management as well as to the quantitative methods that can be implemented to face problems related to both the production process and the global supply chain, including (but not limited to)</p> <ul style="list-style-type: none"> • design of the supply chain network; • demand forecast; • capacity planning; • planning and scheduling of the manufacturing process; • planning and scheduling of services and workload; • extensions of the above models to public sector.
Inline resources	https://perso.uclouvain.be/daniele.catanzaro/Courses/GPM.pdf
Bibliography	Please refer to the online resources.
Other infos	The lectures are delivered in English.
Faculty or entity in charge	CLSM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [60] in Management	GEST2M1	5		