UCLouvain

mgehd1322

2019

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

6 credits	30.0 h + 10.0 h	Q1

Teacher(s)	de Wasseige Paul Etienne ;
Language :	French
Place of the course	Mons
Main themes	The Operations Management are presented into the general scheme of the supply chain. After this introduction, the main concepts of the production are defined and different tools and frames of reference are explained in order to enable a rational and structured approach of the operations management. Using a simple guiding example, the basis of the production management are explained more in details: · The master data · The production orders · The different cost calculations and the relationship between the production and the controlling · The different levels of planning their complementarity · The MRP and the direct link with the stock management and the purchasing process · The stock management process · The purchasing cycle (linked with planning of the requirements) and the management of the suppliers' relations Introducing the Lean Manufacturing, different tools and operations models are described: Value Stream Mapping, 6 sigma, fishbone diagram, just-in-time, pushed and pulled production, Kanban, OPT ' The basics of the maintenance operations management are then presented, including the maintenance master data (functional hierarchy, equipment, maintenance plan) and the general maintenance process. All the concepts and notions are used to explain how to build an operations management system based on the business processes and the ISA95 multilevel model.
Aims	*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".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** An oral exam is organised, based on open questions covering a chapter or a large notion. An alternative is proposed to everyone who wants apply some concepts to their company or organisation.
Teaching methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** · Magistrate presentations during which the students can interact. · Exercises are proposed to apply some notions. Solutions are available.
Content	The objectives of this course are · To introduce the basic concepts of the operations management · To present a frame model structuring the different functional area · To initiate the students into the tools and technics used by the different departments to analyse and manage the company · To illustrate the relationships between the different functions of the operations management and also with other functional areas of the enterprise management The course also refer to other courses like the accounting, the controlling and the project management. At the end, the student could analyse globally the operations management of a manufacturing company and suggest some evolutions.
Inline resources	PowerPoint presentations with comments explaining notions, definitions, explanations or reference texts. All the presentations (PDF slides with comments) are available on the student corner as of the begin of the course. A few notes and some documentation are also provided via the student corner.

Bibliography	· **Gestion de Production** § Alain Courtois, Maurice Pillet, Pascal Bonnefous et Chantal Martin-Bonnefous - Eyrolles 2010 · **Organisation et Gestion de Production** § Georges Javel - Dunod 2010 · **APICS dictionnary ' 12th edition** · **ISA 95 - American National Standard & ISA The Instrumentation, Systems, and Automation Society** § ANSI/ISA-95.00.01-2010 Enterprise-Control System Integration Part 1: Models and Terminology § ANSI/ISA'95.00.03'2005 Enterprise-Control System Integration Part 3: Activity Models of Manufacturing Operations Management · **Gestion des Opérations** § Cours - Service d'enseignement de la Gestion des Operations et de la Logistique, HEC Montreal2012 · **SAP Functions in details**
Faculty or entity in charge	CLSM

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Master [60] in Management (shift schedule)	GEHM2M1	6		
Master [120] in Management (shift schedule)	GEHM2M	6		