

Course Descriptions Master 2022-2023

Course Title Supply Chain Operations*

Course Code EBC4127

ECTS Credits 6,5

Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
1	5-9-2022	21-10-2022		X			

Level Advanced

Coordinator Marianne Peeters For more information:m.peeters@maastrichtuniversity.nl

Language of instruction English

Goals The main goal of the course is to equip students with a toolbox of techniques that are indispensable in the understanding, design, and management of operations, both in production and services in a supply chain context.

Description PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS.

This course addresses the basic operational processes in manufacturing and logistics which together form the primary processes of the supply chain. It will address operational issues in transportation (routing, loading, modal choices), warehousing (order processing, design, value added logistics), manufacturing (TQM, planning). The course will give detailed attention to the operational processes, but also to (quantitative) tools as they are available to measure, define and improve the processes. This course lays the foundation for all subsequent supply chain related programmed content. This course addresses issues in running and optimizing processes, which mostly take place within a company in the supply chain. Cases are selected from the literature as well as real-life company cases.

Literature Operations and Supply Chain Management by F. Robert Jacobs and Richard Chase, Global Edition, 2014. ISBN 978-0-0771-5162-1.

Prerequisites The basic prerequisites for the course are familiarity with linear programming modeling, statistics, and with MS Excel including the Solver plugin.

Teaching methods PBL / Presentation / Assignment / Groupwork

Assessment methods Participation / Written Exam

Evaluation in previous academic year For the complete evaluation of this course please click <http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM>

This course belongs to the following programme / specialisation

Master Global Supply Chain Management and Change Compulsory Course(s)