Operations Execution

Course ID	BWM-15 (B+W1169 / B+W1170)
Lecturer	Prof. Dr. Ingo Dittrich
Study Program	BWM, WIM
Level	Master
Language	English
Credit Hours / ECTS	6 Credit Hours / 9 ECTS
Workload	30 h Classes / 180 h Preparation / 60 h Postprocessing
Course Type	Lecture, Seminar
Exam	Written Exam, Presentation
Requirements	Principles of Logistics
Max Participants	-
Contents	The focuses is on the design of networks and single items of distribution logistics – under consideration of technical, economical and ecological aspects. • Procedure of systematic development and design of logistics networks, warehouses and sorting equipment with a focus on distribution logistics • Dimensioning of sorting, handling and storing equipment • Laws and Principles to design, implement and use of units – especially warehouses - in a distribution network • Ecological aspects in the design of distribution networks • Logistics meets digitalization • Material simulation with Siemens Tecnomatix Plant Simulation During the semester the participants work in a real project of a selected company (teamwork)
Learning Objectives / Skills	Have knowledge of technical solutions for distribution logistics, legal aspects, methods to dimension items of a distribution network. Be able to understand the interdependencies of processes, human ressources and technical solutions in a distribution network, understand how to establish a distribution network, understand methods of how to manage a distribution network and single units like warehouses Have the competencies to transform requirements of all relevant stakeholders into a concept of a small to medium-sized distribution network, discuss and decide on aspects of dimensioning, layout and technical solutions with professionals like suppliers of storage equipment, defend own ideas and concepts
Literature	Provided in class