

Module title		Abbreviation
Supply, Production and Logistics Management. Material Requirements Planning		12-BPL-F-212-m01
Module coordinator		Module offered by
holder of the Chair of Business Management and Industrial Management		Faculty of Management and Economics
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
This module builds on the course "Beschaffung, Produktion und Logistik - Grundlagen" ("Procurement, Production and Logistics - Basics"). After a general introduction into the domain of Material Requirements Planning, the focus is set on forecasting models, on Bill of Materials explosion calculation methods and on economic Order Quantity (EOQ) models. Within the field of EOQ models both static and dynamic models are addressed, including questions of rebates, restrictions, and determining adequate cost parameters.		
Intended learning outcomes		
The students have a deep understanding regarding the addresses models and are able to compute mathematical solutions in the domains of forecasting models, on Bill of Materials explosion and on economic Order Quantity (EOQ).		
Courses (type, number of weekly contact hours, language – if other than German)		
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Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes); (weighted 2:1) or d) oral examination (approx. 20 minutes)		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
Teaching cycle: summer semester		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) China Business and Economics (2021) Bachelor's degree (1 major) Business Information Systems (2021) Bachelor's degree (1 major) Economathematics (2021) Bachelor's degree (1 major) Business Management and Economics (2021) Bachelor's degree (1 major, 1 minor) Business Management and Economics (Minor, 2021) Bachelor's degree (1 major) Economathematics (2022) exchange program Business Management and Economics (2022) Bachelor's degree (1 major) Business Information Systems (2023)		

Bachelor's degree (1 major) Econometrics (2023)

Bachelor's degree (1 major) Business Management and Economics (2023)

Bachelor's degree (1 major, 1 minor) Business Management and Economics (Minor, 2023)