

Module title		Abbreviation
Lot Sizing and Scheduling		12-M-LA-111-m01
Module coordinator		Module offered by
holder of the Chair of Business Management and Industrial Management		Faculty of Business Management and Economics
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	Successful completion of exercises as specified at the beginning of the course is an admission prerequisite to assessment.
Contents		
This module analyses and classifies approaches of production planning and control. In addition, it develops methods and models of lot sizing and scheduling. The focus is on the determination of optimal production and transport volumes as well as the planning of orders and manufacturing orders.		
Intended learning outcomes		
Students learn essential concepts, principles and methods of production planning and control with emphasis on the determination of optimal production and transport volumes as well as the planning of production and order sequences. Then, based on this expertise related knowledge broadening and deepening, essential competencies are conveyed, which allow the imaging of realistic situations and problems using mathematical and quantitative models for the derivation and assessment of alternative courses of action. After completion of the module students can answer, analyze and structure questions of production planning and control, goal-oriented. They can also arrange the planning areas in the overall business context and have an in-depth overview of the production planning and control.		
Courses (type, number of weekly contact hours, language — if other than German)		
S (no information on SWS (weekly contact hours) and course language available)		
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) written examination (approx. 40 minutes) and presentation (approx. 20 minutes), weighted 2:1 or c) written examination (approx. 40 minutes) and written elaboration (approx. 15 to 20 pages), weighted 2:1 or d) presentation (approx. 20 minutes) and written elaboration (approx. 15 to 20 pages), weighted 1:1		
Allocation of places		
Number of places: 20. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.		
Additional information		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) Economathematics (2011)		

Master's degree (1 major) Business Management (2011)
Master's degree (1 major) Economics (2011)
Master's degree (1 major) China Business and Economics (2014)
Master's degree (1 major) China Business and Economics (2012)
Master's degree (1 major) Chinese and Economics (2014)
Master's degree (1 major) Chinese and Economics (2012)