

IBB 303 Principles of Operations and Logistics Management

Course of studies	International Business (IB)				
Academic degree	B.A. and possibly Bachelor's degree from partner university				
Name of module	Principles of Operations and Logistics Management				
Module no.	IBB 303				
Module group	Principles of Business				
Course language	English				
Module coordinator	Prof. Dr. Alexander Kumpf				
Lecturer	Prof. Dr. Chung-Yean Chiang				
Study phase	2nd year of studies				
Semester	3rd Semester				
Semester offered	Winter semester				
Duration	1 semester				
Module type	Compulsory module				
Module counts towards	B.A. International Business				
Credits ECTS	5 ECTS				
Workload (h)	Total	In class	Independent study	Planned group size	
	150 hours	60 hours	90 hours	1 group of approx. 30 – 40 students	
Type of teaching (semester hours)	Total	Seminar-style class	Seminar	Tutorial	Project work
	4	4	-	-	-
Conditions of participation	In terms of form: none				
	In terms of content: none				
Examination	written examination, 60 min.				
Pre-examination requirements	none				
Part of final grade	yes				

<p>Learning outcomes / competencies</p>	<p>The students have obtained a conceptual overview of fundamental industrial problems on operations and logistics management.</p> <p>Examples of decisions in specific production situations have been presented and understood. The students have acquired a holistic understanding of materials management as efficiency-driven, customer-oriented, holistic and integrated with the other management functions. They are capable of preparing, executing and checking decisions made relating to materials and production management in the industrial operation.</p>
<p>Contents</p>	<ul style="list-style-type: none"> • Operations and Productivity • Project Management • Forecasting • Design of Goods and Services • Process Strategy • Capacity Planning • Location and Layout Strategy • Logistics Management • Supply Chain Management • Inventory Management • Material Requirements Planning (MRP) and ERP • Short-Term Scheduling • Just-in-Time and Lean Production Systems • Decision-Making-Tools • Transportation Models • Waiting-Line Models • Learning Curves • Simulation
<p>Media</p>	<p>Overheadprojector, Projector, black board, verbale and non-verbale communication and interaction</p>
<p>Literature</p>	<p>Jay Heizer, / Barry Render: Operations Management, Person Education Limited; 11. Auflage 2013</p> <p>Nigel Slack / Stuart Chambers / Robert Johnston: Operations Management, Prentice Hall; 6. Auflage 2009</p> <p>David Grant: Logistics Management; Pearson Education Limited; 2012</p>