

Supply Chain Management

Module		Supply Chain Management							
Module Code		MGT60222							
Module Coordinator		Kremer, Mirko							
Last Update		2015/12/16							
Target Group		Programme(s)			Bachelor of Science				
		Term			7th semester				
		Compulsory/Elective Module			Elective Module				
		Module Duration			1 Semester				
		Credits:			6				
		Frequency			Annually				
		Language of instruction			German				
Workload:	150 h	Contact hours:	44 h	Independent Learning:	58 h	Assignments:	48 h		
Prerequisites		Operations Management (MGT50070)Statistics and ProbabilityMathematics							
Usability in other Modules/Programmes		Bachelor Thesis							

Intended Learning Outcomes	 Knowledge: On successful completion of this module, students will have a thorough comprehension of the basic definitions, theories and concepts of supply chain management, i.e. they can: understand how Supply Chain Management contributes to the financial performance of companies across a wide range of industries. define and distinguish different concepts of and approaches to SCM Skills: On successful completion of this module, students will have the proven ability to apply supply chain management concepts, i.e. they can: develop and advance quantitative spreadsheet modeling skills that allow them to support qualitative arguments with solid quantitative analysis. Competencies: On successful completion of this module, students can take responsibility for a sply support of this module. 				
	 for designing and implementing supply chain management concepts in organisations, i.e. they can: develop the requisite know-how to provide responsible contributions in establishing concepts and processes in supply chain management. independently take responsibility for SCM in practice present supply chain management challenges to a broad audience, and argue competently about problem solution strategies. 				
Module Structure	The contents of the 11 sessions in total are built up as follows: Session Topic Book Chapter 1 Introduction CM1 2 SC Performance: Achieving Strategic FitCM2 3 Designing SC Networks CM4 4 Dealing with Uncertainty: Forecasting CM7 5 Aggregate Planning CM8 6 Sales & Operations Planning CM 9 7 Cycle Inventory CM 11 8 Safety Inventory CM 12 9 Optimal Level of Product Availability CM 13 10 Transportation CM 14 11 Coordination across the SC CM 10				
Module Overview	Supply chains are networks of organizations (suppliers, manufacturers, distributors, retailers) that jointly supply and transform materials, and distribute products and services to consumers. If designed and managed properly, these networks are a crucial source of competitive advantage for both manufacturing and service enterprises. Each day, world-class companies such as Amazon, Apple, Dell, and Zara try to leverage their supply chain management (SCM) capabilities to achieve profitable growth far ahead of their competition. This module develops a framework of Supply Chain drivers that helps students understand and predict the financial performance of a firm's supply chain strategy.				

Forms of teaching, methods and support	Lecture, Case Studies, Exercises					
Type of Assessment in the Module and Performance Points	Type of examination	Duration or length	Performance Points	Due date or date of exam		
	Written exam	80 minutes	80	During the exam week		
	In-class participation		40	During the course		
	Examination requirements: The exam is designed around the assumption that the set of tools covered in the book chapters listed above have been thoroughly understood and can be applied to practical challenges. The examination tasks have the same level of difficulty as the practice problems included in the textbook and a mock exam handed out to the participants. Exams consist of both quantitative and qualitative challenges for Supply Chain managers. In-class participation is evaluated based on different contributions, e.g., problem presentations, group exercises, case study discussion, excel exercises, essays etc.					
Recommended Literature	The lecture is mostly based on the following textbook: Chopra and Meindl: Supply Chain Management: Strategy, Planning, and Operation, 6th edition, McGrawHill, 2014					
	The textbook can be found in the FS library in reasonable numbers (Signatures: DDC/Chopra).					