

Standard Software based Logistics						
Module code	Workload	Credits/CP	Semester	Frequency of module		Duration
	180 h	6	1	Summer Semester		1 Semester
1	Module	Teaching Language	Contact hours	Self-study	Class size	
	Standard Software based Logistics	English	4 SWS / 45 h	135 h	15	
2	Learning outcomes					
	<ul style="list-style-type: none"> After the module is successfully completed, the student is able to: <p>Knowledge (1)</p> <ul style="list-style-type: none"> describe the integration principles in ERP systems explain logistics and accounting integration demonstrate important processes and modules of ERP systems <p>Understanding (2)</p> <ul style="list-style-type: none"> classify various logistic processes describe complex logistic processes describe financial processes understand the relationships between logistics and finance / accounting <p>Practice (3)</p> <ul style="list-style-type: none"> train and practice an ERP system explain an organisational model describe the object model understand the customizing of ERP systems evaluate the significance of multilingual ERP systems explain the project phases of the introduction of ERP systems <p>Analysis (4)</p> <ul style="list-style-type: none"> support with process analysis and comparison with reference models <p>Synthesis (5)</p> <ul style="list-style-type: none"> To compare important processes from accounting and logistics with the functional range of ERP systems and also support with the creation of to be concepts <p>Evaluation (6)</p> <ul style="list-style-type: none"> scrutinize processes in companies offer suggestions for process changes in the area of logistics and accounting transfer the knowledge and also use it for other applications 					
3	Individual component content					
	<ul style="list-style-type: none"> Accounting basics, master data, transaction data Logistic basics, master data, transaction data Special transactions in Finance, Controlling, Materials Management, Production Planning, Sales & Distribution Concepts of logistic planning and logistic controlling Characteristics of production processes Sales & Operations Planning Demand planning and various forecast models Materials management 					

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1.3	jr	QM-Board 11.4.2012, 16.01.2013 04.06.2013/jr	04.06.2013

	<ul style="list-style-type: none"> • Material requirements planning (MRP) and extensions • Lot size and safety stock • Capacity requirements planning • Integration of Logistics and Accounting • Reporting
4	<p>Teaching methods</p> <p>a) Lectures</p> <p>b) Exercises and practice in the SAP System</p>
5	<p>Prerequisites</p> <ul style="list-style-type: none"> • Basic principles in Business Process Management • Basic principles in Logistics and Accounting
6	<p>Methods of assessment</p> <p>Final written exam</p>
7	<p>Applicability of module</p> <p>Elective in Business Consulting Masters course</p>
8	<p>Person responsible for module/ lecturer</p> <p>Prof. Dr. Thomas Marx</p>
9	<p>Reading list (Core texts and recommended texts)</p> <ul style="list-style-type: none"> • Sales and Distribution in SAP ERP, M. Chudy, L. Castedo, Galileo Press, 2011 • Logistics with SAP ERP, M. Murray, Galileo Press, 2009 • Production Planning and Control with SAP, J.T.Dickersbach, G. Keller, K. Weihrauch, 2nd Edition, Galileo Press, 2012 • SAP MM – Functionality and Technical Configuration, 3rd Edition, Galileo Press, 2011 • Effective SAP SD, D.R. Iyer, Galileo Press, 2007 • Product Cost Controlling with SAP, J. Jordan, Galileo Press, 2012

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