MODULE HANDBOOK

Business Administration

Purchasing and Logistics

Version: September 2017

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Abkürzungsverzeichnis / List of Abbreviations

CR	Credit gemäß ECTS – System / credits according to ECTS – System
PLH	Prüfungsleistung Hausarbeit / examination based on essay
PLK	Prüfungsleistung Klausur / examination based on written exam
PLL	Prüfungsleistung Laborarbeit / examination based on laboratory work
PLM	Prüfungsleistung mündliche Prüfung / examination based on oral exam
PLP	Prüfungsleistung Projektarbeit / examination based on project work
PLR	Prüfungsleistung Referat / examination based on presentation
PLT	Prüfungsleistung Thesis / examination based on written thesis
PVL-BVP	Prüfungsvorleistung für die Bachelorvorprüfung / prerequisite examination for bachelor interim overall exam
PVL-BP	Prüfungsvorleistung für die Bachelorprüfung prerequisite examination for final bachelor graduation
PVL-PLT	Prüfungsvorleistung für die Thesis prerequisite examination for registration for bachelor thesis
SWS	Semesterwochenstunde(n) / contact hours per week
UPL	Unbenotete Prüfungsleistung /non-graded examination (pass/fail only)
WPF	Wahlpflichtfach / Elective

Alignment Matrix zur Vermittlung der Kompetenzziele gemäß KMK / Alignment matrix for learning outcomes according to official state requirements

Sem.	Module	Wissensverbreiterung / Enlargement of knowledge	Wissensvertiefung / Consolidation of knowledge	Instrumentale Kompetenz / Instrumental Competence	Systemische Kompetenz / Systemic Competence	Kommunikative Kompetenzen / Communicative Competencies
ERSTER STUDENABSCHNITT / LEVEL 1 – INTERIM GRADE (Basic Modules, not counting to the final bachelor grade**)**						
General Program						
Specialisation						
ZWEITER STTUDENABSCHNITT / LEVEL II – MODULES CONTRIBUTING TO THE FINAL GRADE (Advanced Modules)						
General Program						
Specialisation						
	PAL1020 LM	X	X	X		X
	PAL2030 EBM	X	X		X	X
	AQM2300 LPP	X	X	X		X
	PAL2020 LPM		X	X	X	X
	BIS2040 GPM		X	X	X	
	LAW2020 IRW	X	X			
	PAL3110 PGP		X	X	X	X
	PAL3200 PFS		X	X	X	X
	PAL4030 SCM		X	X	X	X

ZWEITER STUDIENABSCHNITT / LEVEL 2 - MODULES CONTRIBUTING TO THE FINAL GRADE
(Advanced Modules)

A. General Program

B. Specialisation

PAL1020 – Basics of Logistics Management

Module Name	Basics of Logistics Management
Module ID	PAL1020
Semester	2
Credits	5 Credits
SWS / contact hours per week	5
Frequency	each semester
Associated Courses	PAL1021 Logistics functions and systems: (4 SWS / 4 Credits) PAL1022 Business Simulation: Value Chains: (1 SWS / 1 Credit)
Prerequistes	None
Assessment Methods	Logistics functions and systems: PLP/ PLK – 60 minutes Business Simulation: Value Chains: UPL
Requirement for granting of credits	PAL1021 Logistics functions and systems: Successful passing of the examination PAL1022 Business Simulation: Value Chains: Successful passing of the examination
Significance for final grade	PAL1022 is not counted for the bachelor degree. The remainder of the module (PAL1021 logistics functions and systems) is counted with its credits for the final bachelor's degree.
Planned group size	40 students
Language	German
Module Duration	1 Semester
Module Coordinator	Möller, Klaus
Lecturer(s)	PAL1021 Logistics functions and systems: Möller, Klaus PAL1022 Business Simulation: Value Chains: Schottmüller, Reinhard
Discipline	Purchasing and Logistics
Applicability in other programs	none
Pedagogical Approach	PAL1021 Logistics functions and systems: Lecture and case studies PAL1022 Business Simulation: Value Chains: Lecture and seminar lessons, business simulation

Objectives	<u>Logistic functions and systems:</u> • The students know the classic basic functions of logistics (transport, storage, transfer) and understand more recent approaches to the process-oriented planning and control of the basic functions up to the consequence of an integrated consideration of the value chain. • The students are familiar with the logistics systems used in the basic functions of procurement, production supply and distribution at the physical processing level. • Students are able to create and to link conceptually the connection between the levels of physical processing and information flow. • The students are able to derive the cost, performance and quality parameters related to the logistics functions and to establish the link to the company's profit targets. • Students are able to determine the potentials of logistic service providers and to evaluate the advantages and disadvantages of outsourcing concepts. <u>Business Simulation: Value Chains:</u> • The students understand the fundamental problems of the organization of the value chain in the company and know the instruments and measures for increasing efficiency. • The students know the contribution of the functions in the enterprise to the added value and recognize operational implementation problems as well as their solutions. They also know the possibilities for the use of simulators in process optimization. The module is primarily used for knowledge broadening and deepening. In the business simulation as well as through the processing of the case studies in working groups, the students acquire instrumental competence through the application and expand their communicative competences.
Content	<u>Logistic functions and systems:</u> • Importance of logistics in the company • Transport and handling systems • Warehouse and picking systems • Distribution structures and logistics network planning • Sustainability in logistics • Supply Chain Management and Efficient Consumer Response • Information and communication systems • Logistics costs and controlling • Market situation and use of logistic service providers <u>Business Simulation: Value Chains:</u> • Building the value chain • Display the company functions in the value chain • Elaboration of problem-solving approaches in the value chain process

Relation to other modules	The courses are the basis for the PAL2020 Logistic Process Management module, which is based on the basic logistics functions and in which the integrated approach of the value chain is further developed.
Literature	• Arnold, U., Isermann, H., Kuhn, A., Tempelmeier, H.: Handbuch Logistik, Berlin. • Gleißner, H., Femerling, J. C.: Logistik, Grundlagen - Übungen – Fallbeispiele, Wiesbaden. • Gleißner, H., Möller, K.: Fallstudien Logistik, Wiesbaden. • Gudehus, T.: Logistik- Grundlagen, Strategien, Anwendungen, Berlin, Heidelberg. • Koether, R.: Taschenbuch der Logistik, München. • Kummer, S.: Grundzüge der Beschaffung, Produktion und Logistik, München. (most recent editions) Lecture and case study support on e-learning platforms
Workload	In addition to the 5 SWS x 15 = 75 h attendance, the students are expected to spend 75 hours for the preparation and follow-up of the events as well as the preparation of the case studies.
Additional remarks	Logistics functions and systems: The case studies are conducted in groups of three students. Business Simulation: Value Chains: The proof of performance is provided within the framework of the business simulation and the preliminary lecture. The performance is not graded and thus corresponds to the assessment form UPL.
Keywords	Logistics systems, logistics service providers, logistics functions, information and communication systems, value chain, logistic systems, market and customer orientation, holistic approach, flow orientation
Last edited	August 2017

PAL2030 – Purchasing and Procurement Management

Module Name	Purchasing and Procurement Management
Module ID	PAL2030
Semester	3
Credits	6 Credits
SWS / contact hours per week	4
Frequency	each semester
Associated Courses	PAL2011 Purchasing and Procurement Management (4 SWS/ 6 Credits)
Prerequistes	At least 38 credits earned from LEVEL 1 (Basic Modules)
Assessment Methods	PLH/PLR/PLK – 60 minutes
Requirement for granting of credits	Successful passing of the examination(s)
Significance for final grade	The module is counted with its credits for the final bachelor's degree.
Planned group size	35 students
Language	German
Module Duration	1 Semester
Module Coordinator	Schottmüller, Reinhard
Lecturer(s)	Schottmüller, Reinhard
Discipline	Purchasing and Logistics
Applicability in other programs	None
Pedagogical Approach	Lecture and seminar
Objectives	The participants • understand the fundamental problems of the organization of the value chain in the company • know best practices and measures to increase efficiency • know the process of purchasing as an element of the company-internal service-creation process • understand the importance of purchasing for the business success of a company • have basic knowledge of the strategies, methods and other instruments of purchasing and procurement as well as the interactions with logistics and are able to apply the methods. The module is used in the lecture part for knowledge broadening and deepening. The students develop their systemic and communicative competencies through the preparation of thematic reports and subsequent presentations.
Content	• Logistics, procurement, purchasing, materials management • Material requirements planning

	• Procurement market research • Procurement Process • Supplier policy and supplier management • Value Added Partnerships • Controlling in Purchasing and Procurement • E-procurement, e-procurement, e-sourcing, e-ordering • Outsourcing of procurement processes • Supplier relationship management, service provider management • Global Sourcing
Relation to other modules	Setting the basis for the application of functions in purchasing and procurement management for modules in the following study semesters
Literature	• Arnolds, H., et al.: Materialwirtschaft und Einkauf, Wiesbaden • Appenfeller, W., Buchholz, W.: Supplier Relationship Management, Wiesbaden • Boutellier, R., Wagner, S. M., Wehrli, H. P.: Handbuch Beschaffung, Strategien – Methoden – Umsetzung, München • Hartmann, H.: Materialwirtschaft – Organisation, Planung, Durchführung, Kontrolle, Gernsbach • Hirschsteiner, G.: Einkaufs- und Beschaffungsmanagement, Herne • Kluck, D.: Materialwirtschaft und Logistik – Lehrbuch mit Beispielen und Kontrollfragen, Stuttgart • Melzer-Ridinger, R.: Materialwirtschaft und Einkauf, Band 1: Beschaffung und Supply Chain Management, München • Oeldorf, G., Olfert, K.: Materialwirtschaft, Herne (most recent editions)
Workload	In addition to the 4 SWS x 15 = 60 h attendance, the students are expected to spend another 120 h for the preparation and follow-up of the course, the literature studies, the independent elaboration of the seminar topics and the preparation of the presentations.
Additional remarks	-
Keywords	Purchasing, procurement management, supplier management, e-procurement, global sourcing
Last edited	August 2017

AQM2300 – Logistics and Production Planning

Module Name	Logistics and Production Planning
Module ID	AQM2300
Semester	3
Credits	6 Credits
SWS / contact hours per week	3
Frequency	each semester
Associated Courses	AQM2301 Methods of Logistics and Production Planning (3 SWS / 6 Credits)
Prerequistes	At least 38 credits earned from LEVEL 1 (Basic Modules)
Assessment Methods	PLH/PLL/PLK – 60 minutes
Requirement for granting of credits	Successful passing of the examination(s)
Significance for final grade	The module is counted with its credits for the final bachelor's degree.
Planned group size	35 students
Language	German
Module Duration	1 Semester
Module Coordinator	Kuppinger, Bernd
Lecturer(s)	Kuppinger, Bernd
Discipline	Quantitative Methods as well as Purchasing and Logistics
Applicability in other programs	None
Pedagogical Approach	Lecture with exercises
Objectives	The participants • are able to visualize simple process chains with suitable tools • know important parameters of production logistics and are able to determine the values of these parameters for concrete processes; understand the fundamental differences between current production control methods such as BOA and KANBAN • are able to use the method of value stream design • have basic knowledge of the queueing theory o gain detailed knowledge of the method of discrete, event-driven simulation o are able to assess whether a given problem requires the use of simulation technology o have the ability to understand and analyze simulation models, and to check for plausibility and validity o are able to map queuing systems from simple to moderate complexity in a self-created simulation model

	○ have the necessary knowledge to gain logistics relevant knowledge about the process under consideration by systematically experimenting with the simulation model
Content	Analysis of process chains with parameters • Calculation of throughput times, stocks, utilization • Little's Law • Throughput Diagram • Representation in Excel • Discrete event-oriented simulation Production control procedures • Push and pull procedures • Funnel Model • Kanban • Conwip Queueing theory • Description and characterization of simple queuing systems • Analysis of M / M / 1 and M / M / s queues Method of event-driven simulation • Acquisition of basic knowledge of the software "Arena" • Create an own simulation model • Validation and evaluation of the self-created model The module is used in the lecture part for knowledge broadening and deepening. By developing a simulation model in group work, students develop their instrumental and communicative competence.
Relation to other modules	Setting the basis in the methodological-instrumental area for the modules in the following study semesters
Literature	• Hopp, W.J., Spearman, M.L., Factory Physics, McGraw Hill • Kelton , D. W., Sadowski , R. P., Sturrock, D. T..; Simulation with Arena with CDROM; McGraw Hill • Koether, R., Taschenbuch der Logistik, Fachbuchverlag Leipzig • Lödding, H., Verfahren der Fertigungssteuerung, Springer • Schira, J.: Statistische Methoden der VWL und BWL, Pearson Studium • Schönsleben, P., Integrales Logistikmanagement, Springer • Thonemann, U., Operations Management, Pearson (most recent editions)
Workload	In addition to the 3 SWS x 15 = 45 h attendance, students are also expected to spend 135 h on the preparation and follow-up of the course, the literature study and the development of the simulation model.
Additional remarks	-
Keywords	Production control, simulation, queuing theory, value stream

	method, random numbers
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PAL2020 – Logistics Process Management

Module Name	Logistics Process Management
Module ID	PAL2020
Semester	4
Credits	7 Credits
SWS / contact hours per week	4
Frequency	each semester
Associated Courses	PAL2020 Logistics Process Management (4 SWS/ 7 Credits)
Prerequistes	At least 50 credits from LEVEL 1 (Basic Modules)
Assessment Methods	PLP
Requirement for granting of credits	Successful passing of the examination(s)
Significance for final grade	The module is counted with its credits for the final bachelor's degree
Planned group size	35 students
Language	German
Module Duration	1 Semester
Module Coordinator	Gottschalck, Jürgen
Lecturer(s)	Gottschalck, Jürgen
Discipline	Purchasing and Logistics
Applicability in other programs	None
Pedagogical Approach	Seminarist teaching / project work
Objectives	The participants • know the management tools for optimizing logistical resource use at the individual levels of the value chain • have basic knowledge of the strategies, methods and other tools of the logistic process management and are able to apply the methods. • are able to use the instruments in a problem-oriented manner. The module is designed to enhance the knowledge, based on the prerequisites of the previous semesters. Through the deepening elaboration of pre-defined workshop topics, the students acquire instrumental and systemic competence, through the preparation and implementation of the workshops they develop their communicative competence.

Content	• Basic concepts of in-house industrial logistics • Basic principles of the company organization • Analysis of the effects on the operating income • Derivation and analysis of operating characteristics • Resource planning on operational and strategic level • Logistics trilemma • Functional relationships of the in-house production logistics with the logistics processes on the supplier side and the customer side • Integration of production processes into the entire supply chain
Relation to other modules	Preparation for the General Program of LEVEL2 (Advanced Modules)
Literature	• Binner, H.: Logistikmanagement. Hanser • Brunner, F. J.: Japanische Erfolgskonzepte. Carl Hanser Verlag, • Buchholz, W. / Werner, W.: Supply Chain Solutions. Schaefer-Poeschel • Gottschalck, J.: Qi-Management – Die Kata der Manager, Springer-Gabler-Verlag • Schönsleben, P.: Integrales Logistikmanagement, Springer • Staehle, W. H.: Management. Vahlen • Werner, H.: Supply Chain Management – Grundlagen, Strategien, Instrumente und Controlling, Gabler-Verlag • Wöhe, G.: Einführung in die allgemeine Betriebswirtschaftslehre. Vahlen (most recent editions)
Workload	Students are expected to spend 150 hours in addition to the 4 SWS x 15 = 60 h attendance for the literature study, the preparation and preparation of workshop topics as well as the organization and organization of the workshops.
Additional remarks	-
Keywords	Logistical process management, supply chain management, industrial logistics
Last edited	August 2017

BIS2040 – Business Process and Project Management

Module Name	Business Process and Project Management
Module ID	BIS2040
Semester	4
Credits	7 Credits
SWS / contact hours per week	4
Frequency	each semester
Associated Courses	BIS2041 Business Process Management and Transactional Processing Systems (4 SWS/4 Credits) BIS2042 Methods of Project Management (2 SWS/3 Credits)
Prerequistes	At least 50 credits from LEVEL 1 (Basic Modules)
Assessment Methods	BIS2041 Business Process Management and Transactional Processing Systems: PLL / PLK - 60 minutes BIS2042 Methods of Project Management: PLP / PLK - 60 minutes
Requirement for granting of credits	Successful passing of the examinations: BIS2041 Business Process Management and Transactional Processing Systems and BIS2042 Methods of Project Management
Significance for final grade	The module is counted with its credits for the final bachelor's degree.
Planned group size	BIS2041 Business Process Management and Transactional Processing Systems: max. 70 students BIS2042 Methods of Project Management: max. 70 students
Language	German
Module Duration	1 Semester
Module Coordinator	Morelli, Frank
Lecturer(s)	Möller, Klaus; Morelli, Frank; Schuler; Joachim
Discipline	Business Management / Business Informatics - Management and IT
Applicability in other programs	It is also offered for the bachelor's program "Business Administration / Management Informatics - Management and IT".
Pedagogical Approach	BIS2041 Business Process Management and Transactional Processing Systems: Lecture with workshops, exercises and laboratory work BIS2042 Methods of Project Management: Lectures with case studies and group presentations
Objectives	Business Process Management and Transactional Processing Systems: The students understand basic concepts for the business process design as well as current trends in this area. They have the ability to independently represent concrete business processes with practice-relevant modeling methods, to analyze them using organizational and IT-supported tools, and to provide

	optimization proposals. Methods of Project Management: Students master the method-based planning and structuring of complex projects. They acquire co-operative and coordinative skills through team exercises. Correspondingly, they are able to apply the acquired knowledge to student projects and to projects in the area of business process management. The module is designed to enhance the knowledge, based on the prerequisites of the previous semesters. Through the deepening elaboration of pre-defined workshop topics, exercises, laboratory work and projects, students gain instrumental and systemic competence. Through the preparation and execution of the workshops and projects, students develop their communicative competence.
Content	Business Process Management and Transactional Processing Systems: This course provides a general overview of the topic "business process management". The focus is on fundamental concepts for the company's process design as well as current trends in this area. On the other hand, methodological procedures for the modeling, analysis and optimization of business processes are mediated. The main focus is on process management basics, process modeling with BPMN, business process management principles and business process excellence life cycle, process analysis and optimization as well as business process management within the company. Methods of Project Management: This course provides a general overview of the topic "project management". The focus is on the acquisition of fundamental planning and control methods in complex projects. Special attention will be paid to the following: Project planning and control, project organization, project controlling and multiproject management (program management).
Relation to other modules	The module is based on the module "Quantitative Methods 1" (network planning).
Literature	• ARIS Online Academy e-elearning course: What is BPM, http://www.ariscommunity.com/university/ After registration: http://cdn.ariscommunity.com/aris_online_academy/what_is_bpm3/50bfqndn/player.html (downloaded 03.05.2013) • Gadatsch, A. (2012): Grundkurs Geschäftsprozess-Management: Methoden und Werkzeuge für die IT-Praxis: Eine Einführung für Studenten und Praktiker, 7. Auflage, Vieweg+Teubner, GWV Fachverlage GmbH, Wiesbaden • Göpfert, J./ Lindenbach, H. (2013): Geschäftsprozessmodellierung mit BPMN 2.0, Oldenbourg Wissenschaftsverlag, München

	• Fischermanns, G. (2012): Praxishandbuch Prozessmanagement, Verlag Dr. Götz Schmidt, Gießen • Schmelzer, H. / Sesselmann, W. (2010): Geschäftsprozess-Management in der Praxis, 7. Auflage, Carl Hanser Verlag, München • Stiehl, V. (2013): Prozessgesteuerte Anwendungen entwickeln und ausführen mit BPMN, dpunkt.verlag, Heidelberg • Schelle, H., Ottmann, R., Pfeiffer, A. (2008): ProjektManager, 3. Auflage, Deutsche Gesellschaft für Projektmanagement, Nürnberg
Workload	BIS2041 Business Process Management and Transactional Processing Systems (4 SWS/4 Credits): 4 x 15 SWS = 60 h Contact hours plus 60h for preparation / rework BIS2042 Methods of Project Management (2 SWS/3 Credits): 2 x 15 SWS = 30 h Contact hours plus 30h for the preparation / reworking and 30h for the project work
Additional remarks	Within the course "Methods of Project Management", the examination PLP is carried out in groups in the form of teamwork.
Keywords	Business process management, business process modeling, business process analysis, business process optimization, business process management, BPMN, project management, phase models, project planning, project management, project organization, project controlling, multi project management, program management
Last edited	August 2017

LAW2020 – Advanced Law

Module Name	Advanced Law
Module ID	LAW2020
Semester	4
Credits	5 Credits
SWS / contact hours per week	4
Frequency	each semester
Associated Courses	LAW2024 Internatinal Business Law
Prerequistes	At least 50 credits from LEVEL 1 (Basic Modules)
Assessment Methods	PLK – 90 minutes
Requirement for granting of credits	Successful passing of the examination
Significance for final grade	The module is counted with its credits for the final bachelor's degree
Planned group size	35 students
Language	German
Module Duration	1 Semester
Module Coordinator	Gildeggen, Rainer
Lecturer(s)	Gildeggen, Rainer; Willburger, Andreas
Discipline	Law
Applicability in other programs	None
Pedagogical Approach	Lecture
Objectives	The participants • have basic knowledge of the legal framework of cross-border business transactions going far beyond the knowledge at the basic university entry level. • have a critical understanding of the most important types of contract in economic transport and are able to deepen their knowledge independently. Their knowledge corresponds to the state of the literature. • are able to apply the learned knowledge to characteristic problems of practice. The module is thus used for broadening and deepening of knowledge as well as acquiring instrumental competence
Content	• Unity law and international private law • International private law of the treaties, the tort and the law of property • The UN Purchasing Right • INCOTERMS

	• Payment protection in international law • International transport contracts • Commercial agent and contractor • Intellectual property rights and licensing agreements • Dispute resolution in international law
Relation to other modules	Deepened the knowledge acquired in previous law lectures
Literature	Gildeggen/Willburger, Internationale Handelsgeschäfte, Verlag Vahlen, 4. Aufl. 2012;
Workload	In addition to the 4 SWS x 15 = 60 h attendance, students are also expected to spend 90 h on the preparation and follow-up of the course, the literature studies and the preparation of the final examination.
Additional remarks	-
Keywords	International Trading, IPR, United Nations Convention on Contracts for the International Sale of Goods, Commercial Agents and Dealers, License Agreements, International Litigation and Arbitration
Last edited	August 2017

PAL3110 – Electives: Process Management in Practice

Module Name	Electives: Process Management in Practice
Module ID	PAL3110
Semester	6
Credits	6 Credits
SWS / contact hours per week	4
Frequency	each semester
Associated Courses	BIS3012 Transactional Processing Systems in Logistics (2 SWS/3 Credits) PAL3111 e-business and Supply Chains (2 SWS/3 Credits) HRM3101 Leadership (2 SWS/3 Credits)
Prerequistes	At least 50 credits from LEVEL 1 (Basic Modules)
Assessment Methods	BIS3012 Transactional Processing Systems in Logistics: PLL/PLP/PLR PAL3111 e-business and Supply Chains: PLL/PLP/PLH/PLR/PLK – 60 minutes HRM3101 Leadership: PLL/PLP/PLH/PLR/PLK – 60 Minuten
Requirement for granting of credits	Successful passing of the respective examination performance(s). The elective offers of 6 credits are to be successfully completed.
Significance for final grade	The module is counted with its credits for the final bachelor's degree.
Planned group size	35 students
Language	English / German
Module Duration	1 Semester
Module Coordinator	Program Director in the Faculty Board
Lecturer(s)	Professors of different programs
Discipline	Purchasing and Logistics
Applicability in other programs	Individual elective offers are also available through other courses.
Pedagogical Approach	Instruction seminars
Objectives	The elective module is intended to provide students with the opportunity to focus on individual, course-related aspects. The goals differ according to the elective offer. The module is primarily used for the broadening and deepening of knowledge as well as the acquisition of instrumental competence.
Content	• Transaction systems in logistics • e-business and supply chains

	• Leadership
Relation to other modules	-
Literature	Depending on the chosen WPF offer
Workload	In each case 2 x 15 = 30 h, plus 60 h each for preparation and follow-up, independent literature studies, case studies and exercises, as well as exam preparation.
Additional remarks	The module or a single course of the module may also be completed within the framework of an international study semester. Modules and courses related to the main focus of the course could be acknowledged. English-language offers within the module are offered within the framework of the International Study Program. The credits obtained are counted for the 18-credit requirement in the course of studies.
Keywords	Transaction systems, logistics and IT, e-business, employee management
Last edited	August 2017

PAL3200 – Projects / Case Studies

Module Name	Projects / Case Studies
Module ID	PAL3200
Semester	6
Credits	10 Credits
SWS / contact hours per week	6
Frequency	each semester
Associated Courses	PAL3201 Project (4 SWS/7 Credits) PAL3202 Case Studies (2 SWS/3 Credits)
Prerequistes	At least 50 credits from LEVEL1 (Basic Modules)
Assessment Methods	PAL3201 Project: PLP PAL3202 Case Studies: PLR/PLL/PLP
Requirement for granting of credits	Successful passing of the respective examination(s)
Significance for final grade	The module is counted with its credits for the final bachelor's degree.
Planned group size	35 students
Language	German
Module Duration	1 Semester
Module Coordinator	Möller, Klaus
Lecturer(s)	Professors of the course of studies in Purchasing and Logistics
Discipline	Purchasing and Logistics
Applicability in other programs	None
Pedagogical Approach	Seminarist teaching and project work
Objectives	<u>Project:</u> The participants • know the basic interactions in complex purchasing and logistics projects • apply the management tools of the study within the scope of an industry project • are capable for a problem oriented application of learned strategies and methods • are able to use the instruments of business and project management in a target-oriented manner <u>Case Studies:</u> The participants • are aware of the importance of continuous information flow along the value chain • understand the contribution of the network-oriented components for efficient logistic processing • know the necessity and the benefit of jointly developed

	standards to optimize the flow of information • are able to determine the relevant requirements for a company-specific situation and develop a concept for the integration of an information system into the process environment In addition to the knowledge deepening, the module primarily serves the acquisition of instrumental, systemic competence and communicative competence.
Content	<u>Project:</u> • Project Management • Analysis and design of business processes in practice • Resource planning in the operational and strategic framework of a company • Functional connections of the in-house logistics with the logistical processes on the supply side and customer side <u>Case Studies:</u> • Establishment of the information systems along the value-added chain • Data exchange procedures and standards (EDI, EDIFACT, ODETTE, VDA, eCatalogue ...) • Information networks and links at local and global level (LAN, WAN, Internet, ...) • Use of IT-supported planning and decision support systems in purchasing and logistics
Relation to other modules	The module builds upon the modules of the specialization of the previous semesters.
Literature	<u>Project:</u> • Current, subject-related publications <u>Case Studies:</u> • Arnold, D., Isermann, H., Kuhn, A., Tempelmeier, H.: Handbuch Logistik, Berlin • Krupp, T., Paffrath, R., Wolf, J.: Praxishandbuch IT-Systeme in der Logistik, Hamburg • Ten Hompel, M., Schmidt, T.: Warehouse Management, Berlin Most recent editions.
Workload	In addition to the 6 SWS x 15 = 90 h attendance, students are also expected to spend 210 h on the practical problems and case studies, the preparation and implementation of presentations as well as the final documentation.
Additional remarks	-
Keywords	Practical project, design of logistical processes, information systems in purchasing and logistics

Last edited	August 2017

PAL4030 – Supply Chain Management

Module Name	Supply Chain Management
Module ID	PAL4030
Semester	7
Credits	8 Credits
SWS / contact hours per week	4
Frequency	each semester
Associated Courses	PAL 4031 Supply Chain Management (8 Credits)
Prerequistes	Completed LEVEL1 Achievement of all credits of the General Program of the 3rd semester
Assessment Methods	PLH/PLR/PLP
Requirement for granting of credits	Successful passing of the respective examination performance(s)
Significance for final grade	The module is weighted with its credits in the bachelor's degree.
Planned group size	35 students
Language	German
Module Duration	1 Semester
Module Coordinator	Gottschalck, Jürgen
Lecturer(s)	Gottschalck, Jürgen
Discipline	Purchasing and Logistics
Applicability in other programs	None
Pedagogical Approach	Instruction seminars
Objectives	The participants • know and understand how concepts are developed and implemented for integrating the company into international production and supply networks in relation to process, information and legal aspects. • have basic knowledge of the strategies, methods and other instruments of supply chain management and are able to apply the methods. • have in-depth knowledge of the use of these instruments. In addition to the knowledge deepening, the module primarily serves the acquisition of instrumental, systemic competence and communicative competence.
Content	• Analysis of the value chain • Definition of the responsibilities of the partners • Quality management and logistical controlling

	• Optimize process flows in the value chain • Integration of the information systems (information flow, logical linking of local systems, communication networks)
Relation to other modules	The module builds upon the modules of the specialization in the previous semesters.
Literature	• Bearing Point: Management globaler Wertschöpfungsketten - Synchronised Value Chain. EUL-Verlag, Lohmar – Köln • Boutellier, R., Locker, A.: Beschaffungslogistik – Mit praxiserprobten Konzepten zum Erfolg, Hanser Fachbuch, München • Gottschalck, J.: Qi-Management – Die Kata der Manager, Springer-Gabler-Verlag • Kluck, D.: Materialwirtschaft und Logistik – Lehrbuch mit Beispielen und Kontrollfragen, Schaeffer-Poeschl, Stuttgart • Oeldorf, G., Olfert, K.: Materialwirtschaft, Kiehl • Simchi-Levi, D. et al: Designing and Managing the Supply Chain – Concepts, Strategies, and Case Studies. McGraw-Hill International Edition, New York • Stähle, W. H., Conrad, P. Sydow, J.: Management – Eine verhaltens-wissenschaftliche Perspektive, Vahlen • Werner, H.: Supply Chain Management – Grundlagen, Strategien, Instrumente und Controlling, Gabler-Verlag (most recent editions)
Workload	In addition to the 4 hours per week, students are expected to spend 120 hours in the case of case studies, as well as the preparation and execution of presentations.
Additional remarks	-
Keywords	Supply chain management, global value chains, international production and supply networks
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