

2019.FS

Module Name: Standard Business Software	
Module Code	w.BA.XX.2BSSW-WIN.XX
Module Description	Definition and description of enterprise standard software (ERP, SCM, CRM), evaluation and assessment of enterprise software solutions, basics of ERP systems, introduction to ERP solutions, technology and customizing of ERP solutions. Development of ERP solutions from intra-organizational to inter-organizational and industry-specific solutions. Current trends, real time, big data, cloud, mobile solutions, social media. Introduction to the Internet of Things and "Industrie 4.0". Development of digital strategies.
Program and Specialization	Business Information Technology
Legal Framework	Academic Regulations BSc dated 29.01.2009, Appendix to the Academic Regulations for the degree programs in Business Administration, Business Information Technology, and Business Law, first adopted on 12.05.2009
Module Category	Module Type: Compulsory
	Program Phase: Main Study Period
ECTS	6
Organizational Unit	W Institut für Wirtschaftsinformatik Ltg
Module Coordinator	Axel Uhl (uhlx)
Deputy Module Coordinator	Nico Ebert (ebet)
Prerequisite Knowledge	Basics in business administration, operations management, software engineering, strategic management
Contribution to Program Learning Goals (Affected by Module)	<ul style="list-style-type: none"> § Professional Competence § Methodological Competence § Social Competence § Self-Competence
Contribution to Program Learning Objectives	Professional Competence <ul style="list-style-type: none"> § Knowing and Understanding Content of Theoretical and Practical Relevance § Apply, Analyze, and Synthesize Content of Theoretical and Practical Relevance § Evaluate Content of Theoretical and Practical Relevance Methodological Competence <ul style="list-style-type: none"> § Problem-Solving & Critical Thinking § Scientific Methodology § Work Methods, Techniques, and Procedures § Information Literacy § Creativity & Innovation Social Competence <ul style="list-style-type: none"> § Written Communication § Teamwork & Conflict Management § Intercultural Insight & Ability to Change Perspective Self-Competence <ul style="list-style-type: none"> § Self-Management & Self-Reflection § Ethical & Social Responsibility § Learning & Change
Module Learning Objectives	Students... <ul style="list-style-type: none"> § differentiate between the basic modules of ERP systems and understand how they work and what their operational benefits are. § know the relevant documents, functions, and master data of individual ERP modules. § understand information and document flow across modules in ERP systems and are able to describe examples of end-to-end processes. § make decisions concerning the useful application of standard and customized software. § explain the procedures and the application possibilities of system adjustments (customizing), modifications, and extensions. § specify and compare the functionality of SRM, PLM, CRM, SCM, and ERP systems. § are able to describe and carry out the structural implementation and operation of an ERP system. § understand customizing and administration tasks for an ERP system and can perform these on the basis of user-defined requirements for an ERP system. § know the difference between ERP 1 and ERP 2 Netweaver as a platform, mobile solutions, HANA, and cloud solutions. § understand "Industrie 4.0" and the Internet of Things in the context of operational solutions.

Module Content	§ From a corporate strategy to an information System (strategy - process - IT system) § Customized software vs. standard software § Requirement management for standard software § Evaluation process of operational standard software § Process automation with standard software § Basic components of standard business software § Enterprise resource planning (ERP): definition, systems, and architecture § Planning and management of operational resources (material management, distribution, production management) with ERP systems § Planning and management of strategic resources (accounting, controlling, and HR) with ERP systems § Planning and management of a company's resources (supply chain management, customer relationship management, and ERP 2.0) with ERP systems § Introduction and operation of standard business software, project management and customizing, choosing an ERP system, and the ERP market § Development stages of ERP1 to ERP 2 solutions § New technological platforms based on HANA, mobile solutions, and Cloud (ERP 3) § Digital trends § Internet of Things and "Industrie 4.0" in an operational context		
Links to other modules	The content of this module is linked to the following module: w.BA.XX.2WIN.XX		
Methods of Instruction	§ Lecture § Interactive Instruction § Case Studies § Exercises § Explorative Learning	Social Settings Used: § Individual Work § Group Work	
Digital Resources	§ Teaching Videos § Practice and Application Exercises (with Key) § Case Studies (with Key)		
Type of Instruction	Classroom Instruction	Guided Self-Study	Autonomous Self-Study
Large Class	28 h	34 h	
Small Class	28 h	34 h	
Group Instruction	-	-	
Practical Work	-	-	
Seminar	-	-	
Total	56 h	68 h	
Performance Assessment			
End-of-module exam	Form	Length (min.)	Weighting
Written exam	Closed book	60	80,00%
Permitted Resources	No calculator		
Others			
	Assessment	Length (min.)	Weighting
Writing of an essay in teams of two students.	Grade	-	20,00%
Classroom Attendance Requirement	Compulsory sessions will be notified separately		
Language of Instruction/Examination	German		
Compulsory Reading	§ Magal, S. & Word, J. (2012). Integrated Business Processes with ERP Systems. John Wiley & Sons Inc. ISBN 978-0-470-46560-8. § (2016). Laudon/Laudon/Schoder: Wirtschaftsinformatik, 3. Auflage, Kapitel 1. © Pearson, Laudon/Laudon/Schoder. Pearson Studium. ISBN 978-3-86894-269-9.		
Recommended Reading	-		
Comments	The presentation of the essay is a prerequisite of admission to the end-of-module exam.		