

# Courses in English

## Course Description

<b>Department</b>	10 Business Administration
<b>Course title</b>	<b>Digital Process Management</b>
<b>Hours per week (SWS)</b>	4
<b>Number of ECTS credits</b>	5
<b>Course objective</b>	After successful participation in this module, students will be able to explain, apply and examine the basics, success factors, principles and methods of effective business process management in business situations. They independently model, analyse and question business processes in a business context using the methods and instruments they have learned. The students can discuss the problems to be dealt with in smaller project groups, especially in the exercise units. By attending this module, the students recognize the challenges and interdependencies of business process management.
<b>Prerequisites</b>	None
<b>Recommended reading</b>	<ul style="list-style-type: none"><li>• Grosskopf, A., Decker, G., Weske, M., (2009): The process: business process modeling using BPMN.</li><li>• Brocke, J., Rosemann, M.: (Ed): Handbook on Business Process Management 1: Introduction, Methods, and Information Systems (International Handbooks on Information Systems), Springer, 2009</li><li>• European Association of Business Process Management EABPM (Ed.): BPM CBOK® - Business Process Management BPM Common Body of Knowledge, 2014</li><li>• vom Brocke, J. and Mendling, J. (eds) (2018) Business Process Management Cases. Cham: Springer International Publishing (Management for Professionals). doi: 10.1007/978-3-319-58307-5.</li><li>• vom Brocke, J. and Schmiedel, T. (eds) (2015) BPM - Driving Innovation in a Digital World. Cham: Springer International Publishing (Management for Professionals). Available at: <a href="http://link.springer.com/10.1007/978-3-319-14430-6">http://link.springer.com/10.1007/978-3-319-14430-6</a></li><li>• Grambow, G., Oberhauser, R. and Reichert, M. (eds) (2017) Advances in Intelligent Process-Aware Information Systems. Cham: Springer International Publishing (Intelligent Systems Reference Library). doi: 10.1007/978-3-319-52181-7.</li><li>• Grosskopf, A., Decker, G. and Weske, M. (2009) The process: business process modeling using BPMN. Meghan Kiffer Press.</li><li>• Grover, V. and Markus, M. L. (eds) (2008) Business Process Transformation. M.E. Sharpe.</li><li>• Rosa, M. L. (2015) 'Interview with Michael Rosemann on "The Role of Business Process Management in Modern Organizations"', Business &amp; Information Systems Engineering, 58(1), pp. 89–91. doi: 10.1007/s12599-015-0419-8.</li><li>• Wang, P. (2008) 'Whatever Happened to Business Process Reengineering?', in Grover, V. and Markus, M. L., Business Process Transformation. M.E. Sharpe, pp. 23–40.</li></ul>
<b>Teaching methods</b>	<ul style="list-style-type: none"><li>• Models and methods of analysis (research and analysis models):<ul style="list-style-type: none"><li>o Modelling languages</li><li>o Activity-Based Costing (evaluation of key figures and rating)</li></ul></li><li>• Quantitative empirical methods (comparative - statistical, mathematical method, data analysis):<ul style="list-style-type: none"><li>o Quantitative process analysis</li><li>o Process simulation</li></ul></li><li>• Qualitative interpretative methods (expert interviews, surveys, standardised surveys):<ul style="list-style-type: none"><li>o Interviews (significance of customer/business processes on business success)</li><li>o Case Studies</li></ul></li><li>• Lessons</li><li>• Case studies</li><li>• Workshop</li><li>• Group work</li></ul>
<b>Assessment methods</b>	
<b>Language of instruction</b>	English
<b>Name of lecturer</b>	Prof. Dr.-Ing. Holger Günzel

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**Link**

**Course content**

- Introduction: What are processes/business processes, what role do business processes play in order to sustainably increase the competitiveness of companies?
- Business process recording and analysis,
- Business process modelling with eEPK and BPMN,
- Business process optimization and control,
- Business Process and Workflow Management

**Remarks**