Module 0663 Business Processes

1	Module Code 0663	Degree Program / Target Group(s) WNB	Semester 5	Starts in the ☒ Winter Term ☒ Summer T.	Duration 1 Semester	Module Type Mandatory	Workload (h) 150	ECTS Credits 5

2	Courses	Type of Instruction / Form of Learning	Language of Instruction	Contact Time (h) weekly | total	Self Study (h)	ECTS Credits
	a) Business Processes	Project Work	English	2 30	60	3
	b) ERP Laboratory	Laboratory	English	2 30	30	2
	c)					
	d)					
	e)					
	f)					

3	Table of Qualifications	Expertise	Methodological Skills	Personal & Social Skills
	Knowledge & Understanding	☒	☒	☒
	Applying Knowl. & Understanding	☒	☒	☒
	Making Judgements & Analyzing	☒	☒	☐
	Creating & Extending Knowledge	☒	☐	☐

4	**Learning Outcomes and Competences**

On completion of the module the students are expected to be able to:

Knowledge and Understanding (Knowledge)
- Understand characteristics and elements of a business process
- Understand business process categories
- Understand importance of ERP systems and the underlying technical characteristics

Applying Knowledge and Understanding (Skills)
- Model business processes using business process notations
- Select suitable organizational form
- Apply knowledge of ERP systems to actual problems

Making Judgements and Analyzing (Competences)
- Analyze and assess existing business processes

Creating and Extending Knowledge (Competences)
- Optimize existing business processes
- Develop new business processes
- Develop controlling system for business processes

5	**Syllabus/Contents**

Business Processes
- Introduction to business processes
- Business process modelling: Event-driven Process Chain (EPC), Business Process Model and Notation (BPMN)
- Business process management: organizational implications
- Business process controlling: controlling cycle, balanced process scorecard
- Business process performance improvement: radical business process re-engineering vs. evolutionary change

ERP Laboratory
- ERP systems
- Use case examples

6	**Prerequisites**

According to the Examination Regulations (Studien- und Prüfungsordnung):
- None

Recommended:
- 0656 Einführung Wirtschaftswissenschaften, 0612 Informatik 1, 0618 Informatik 2, 0672 Logistik 1, 0625 Praktisches Studiensemester

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7	**Type of Assessment (Examinations) and Requirements for Credits** a) Project work
8	**Module can be used in the following Degree Programs** WNB
9	**Module Director and other Lecturers involved** Prof. Dr. Fabian Diefenbach, Prof. Dr. Rolf Gersbacher
10	**Recommended Reading** Rosing, H., Scheel, H., Scheer, A.W. (2014): The Complete Business Process Handbook: Body of Knowledge from Process Modeling to BPM
11	**Contribution of the Module to the Educational Aims of the Degree Program** Methods and tool for business process analysis and optimization
12	**Date of last Modifications** 21.01.2019