

Module: Business Process Management

Level	Master	Short Name	BPM
Responsible Lecturers	Lohmann, Rüdiger, Prof. Dr.-Ing.		
Department, Facility	Electrical Engineering and Computer Science		
Course of Studies	Applied Information Technology, Master		
Compulsory/elective	Compulsory elective	ECTS Credit Points	5
Semester of Studies	2	Semester Hours per Week	4
Length (semesters)	1	Workload (hours)	150
Frequency	WiSe	Presence Hours	60
Teaching Language	English	Self-Study Hours	90

The following section is filled only if there is **exactly one** module-concluding exam.

Exam Type	Oral Exam	Exam Language	German/English
Exam Length (minutes)	30	Exam Grading System	One-third Grades
Learning Outcomes	Students will understand organizational structures and processes within enterprises. They will have learned techniques and rules of process design necessary for analysis and design of information systems.		
Participation Prerequisites	Financials and Controlling		

The previous section is filled only if there is **exactly one** module-concluding exam.

Consideration of Gender and Diversity Issues	<ul style="list-style-type: none"> ✓ Use of gender-neutral language (THL standard) ✓ Target group specific adjustment of didactic methods ✓ Making subject diversity visible (female researchers, cultures etc.)
Applicability	
Remarks	

Module Course: Business Process Management (Lecture)

(of Module: Business Process Management)

Course Type	Lecture	Form of Learning	Presence
Mandatory Attendance	no	ECTS Credit Points	4
Participation Limit		Semester Hours per Week	3
Group Size		Workload (hours)	120
Teaching Language	English	Presence Hours	45
Study Achievements ("Studienleistung", SL)		Self-Study Hours	75
SL Length (minutes)		SL Grading System	

The following section is filled only if there is a course-specific exam.

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			

The previous section is filled only if there is a course-specific exam.

Contents	<ul style="list-style-type: none"> • Fundamentals of Organizations • IT Applications in Business <ul style="list-style-type: none"> • Book keeping, MRP, MRPII, PPS u. ERP • BOM, routing, scheduling • Business Process Management <ul style="list-style-type: none"> • Goals, techniques • Order Processing <ul style="list-style-type: none"> • OTC, P2P, planning and manufacturing, production order, scheduling, order confirmation
Literature	<ul style="list-style-type: none"> • Essentials of Business Processes and Information Systems (Magal, Word), current edition • Eversheim, W., Schuh, G., Integrierte Produkt- und Prozessgestaltung, Springer, Berlin. • Eversheim, W., Organisation in der Produktionstechnik - Band 1, Grundlagen, VDI-Verlag, Düsseldorf
Remarks	

Module Course: Business Process Management (Exercises)

(of Module: Business Process Management)

Course Type	Exercise	Form of Learning	Presence
Mandatory Attendance	no	ECTS Credit Points	1
Participation Limit		Semester Hours per Week	1
Group Size		Workload (hours)	30
Teaching Language	English	Presence Hours	15
Study Achievements ("Studienleistung", SL)		Self-Study Hours	15
SL Length (minutes)		SL Grading System	

The following section is filled only if there is a course-specific exam.

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			

The previous section is filled only if there is a course-specific exam.

Contents	The exercises train students in applying knowledge and methods of business models in several practical tasks.
Literature	See lecture
Remarks	