



Module:

Business Information Systems

Course:

Business Information Systems 2

Professor in charge:

Prof. Dr. Torsten Stein

Lecturer:

Prof. Dr. Torsten Stein

Target Group:

3rd semesters

Scope:

2 semester periods per week

ECTS- Points:

2

Workload:

Class Contact:	22,5 h
Grade/nongrade exam:	1,0 h
Preparatory grade/nongrade exam:	7,5 h
Self study/preparatory and follow-up study:	29,0 h
Total:	60,0 h

Learning Objectives:

Factual Knowledge:	Differentiate planning components for information systems that assists business processes.
Methodic Competence:	Apply methods for data and process modeling. Use database software and process modeling tools.
Transfer Competence:	Bring database requirements into a regular database application. Map existing and upcoming operational proceedings by process models.
Normative Competence:	Identify improvement ideas for business processes. Compare different process modeling methods.

Contents:

Week	Content	References
	Information Systems Architecture	Mertens, P., Bodendorf, F., König, W., Picot, A., Schumann, M., Hess, Th., Grundzüge der Wirtschaftsinformatik, 10. Auflage, Springer, Berlin-
	- Planning of Extensive Information Systems	

- Data Modeling Heidelberg 2010
- Process Modeling
- Object Oriented Models and Systems

Teaching Methods:

- Lectures with Discussions, Case Studies, Tool Presentation and Utilization, Exercises, Team Work, instructed autonomous Studies
- Script with Review Questions and Answers

Examination:

Written Exam

Language:

German 100%

Planned Case Studies:

- Data Modelling (Car Rental)
- Process Modelling (POS-System)
- Object Oriented Modeling (Library)

Miscellaneous:

In order to prepare the exam it is absolutely necessary to participate on the lectures and exercises.