



Module:

Business Information Systems

Course:

Business Information Systems 1

Professor in charge:

Prof. Dr. Torsten Stein

Lecturer:

Prof. Dr. Torsten Stein

Target Group:

3rd semester

Scope:

4 semester periods per week

ECTS-Points:

4

Workload:

Class Contact:	45,0 h
Grade/nongrade exam:	1,0 h
Preparatory grade/nongrade exam:	15,0 h
Self study/preparatory and follow-up study:	59,0 h
Total:	<u>120,0 h</u>

Learning Objectives:

Factual Knowledge:	Describe the usage of IT components within the context of different Information systems. Differentiate between lasting trends and short term fashion.
Methodic Competence:	Proceeding of decision making for selected IT management topics. Extraction of information out of case studies.
Transfer Competence:	Communicate about information systems in practice. Compare individual economic requirements with IT abilities.
Normative Competence:	To judge development ideas and arguments. Dispute developed solutions.

Contents:

Week	Content	References
	Economic and Social Consequences of IT Usage	Mertens, P., Bodendorf, F., König, W., Picot, A., Schumann, M., Hess, Th., Grundzüge der Wirtschaftsinformatik, 10. Auflage, Springer, Berlin-

Technological Basics

- Computer and Operating Systems
- Computer Networks
- Applications
- Databases
- Case Studies

Selection and Implementation of Business Applications

IT Outsourcing

IT Security Management

IT Efficiency

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:

- Teleworking (IBM)
- IT Costs (Gartner Group)
- Intranet (VW „Level 5“)
- Domain Registration (BMW Spare Parts)
- Portals (Focus Online)
- Process Innovations (UPS)
- ePayment (Paysafecard)
- eBusiness Applications (ABB Turbo Systems AG)
- Business Applications (SAP R/3 and mySAP.com)
- Databases (Music Info Disc)
- Data Warehouse (Wal-Mart)
- Employee Portal (Rheinmetall Landssysteme GmbH)
- IT Project Ideas (Münsterland Versicherung AG)
- Reference Models (SAP R/3)
- Implementation of Business Application („Slingshot Course“ Project)
- Electronic Signature (Department of Finance, Bremen)
- eMail Observation (Service Company)
- Feasibility Studies (Enterprise Resource Planning System)

Miscellaneous:

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