

BIT Institute

Orientation Day Fall Semester 11/12
Prof. Dr. Franz Steffens



BIT Institute

Bridge between theory and practice

Agenda

The Institute

Teaching

Lecture

Master Team Project

Supervision Seminar

Supervision Bachelor and Master Thesis

Career Development

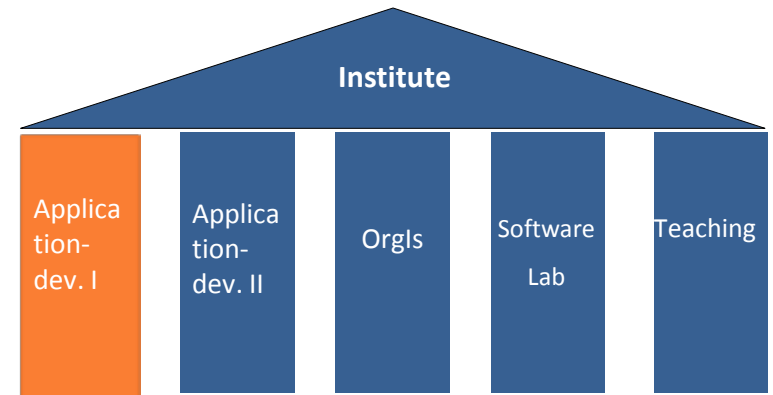


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Bridge between theory and practice

Application development I - major enterprises

- Roll out of a BI reporting approach (QlikTech:QlikView)
 - Conception and implementation of a flexible and holistic reporting platform for a enterprise wide key figure system.
- Roll out of a BI comprehensive reporting approach using SAP Business Objects

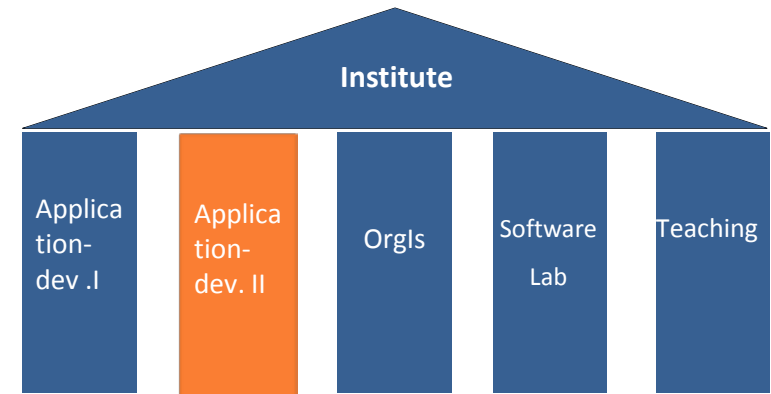


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Bridge between theory and practice

Application development II – medium sized companies / consulting firms

- Roll out of a consolidated, integrated BI approach for medium sized subsidiaries for a complete holding concept, using SAP NetWeaver BI
- Conception and implementation of tailored reporting scenarios in fields of:
 - SCM, FI/CO, Production Mgmt.
 - Sales and Distribution
- Management Reporting as well as Operations Reporting
- Supervision and collaboration with consulting firms

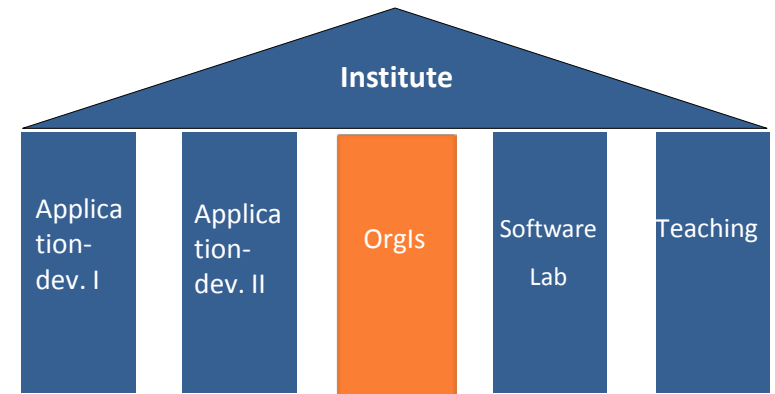


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Software development

OrgIS

- OrgIS is a database supported information system, supporting the **Organisational Development** in the following tasks:
 - Actual Analysis
 - Conception of the Desired State
 - Organisational Change Process
- Proprietary development based on a formal specification (implemented in Java)

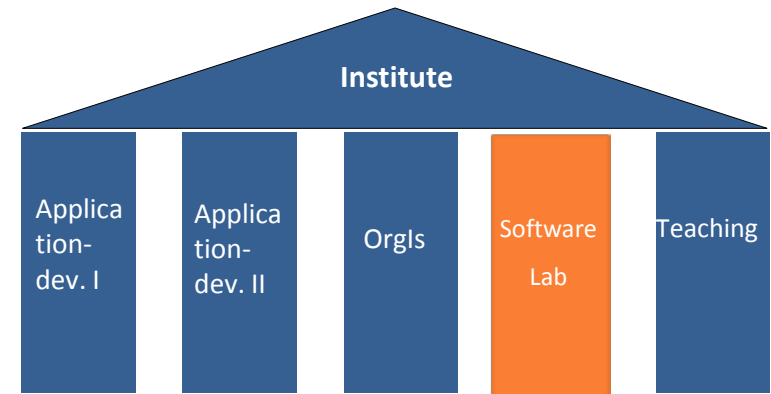


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Meeting platform for customers and system manufacturers

Software lab

- Competence Center for chosen standard business application systems in the areas of:
 - Enterprise Resource Planning
 - Business Intelligence Systems
 - Supply Chain Management Systems
 - Customer Relationship Management Systems
 - Integration Platforms

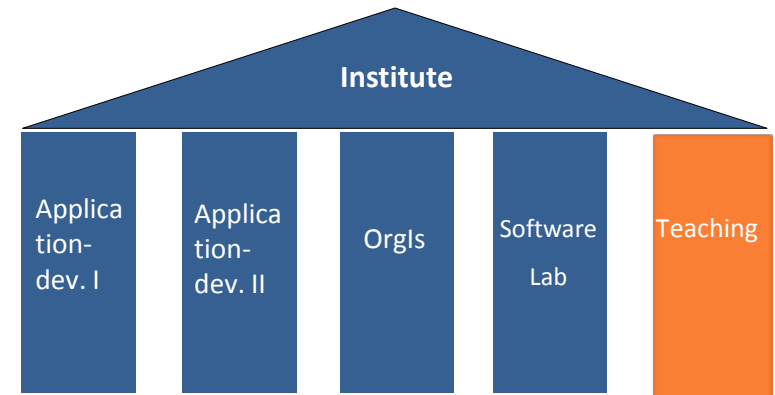


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Teaching 11/12

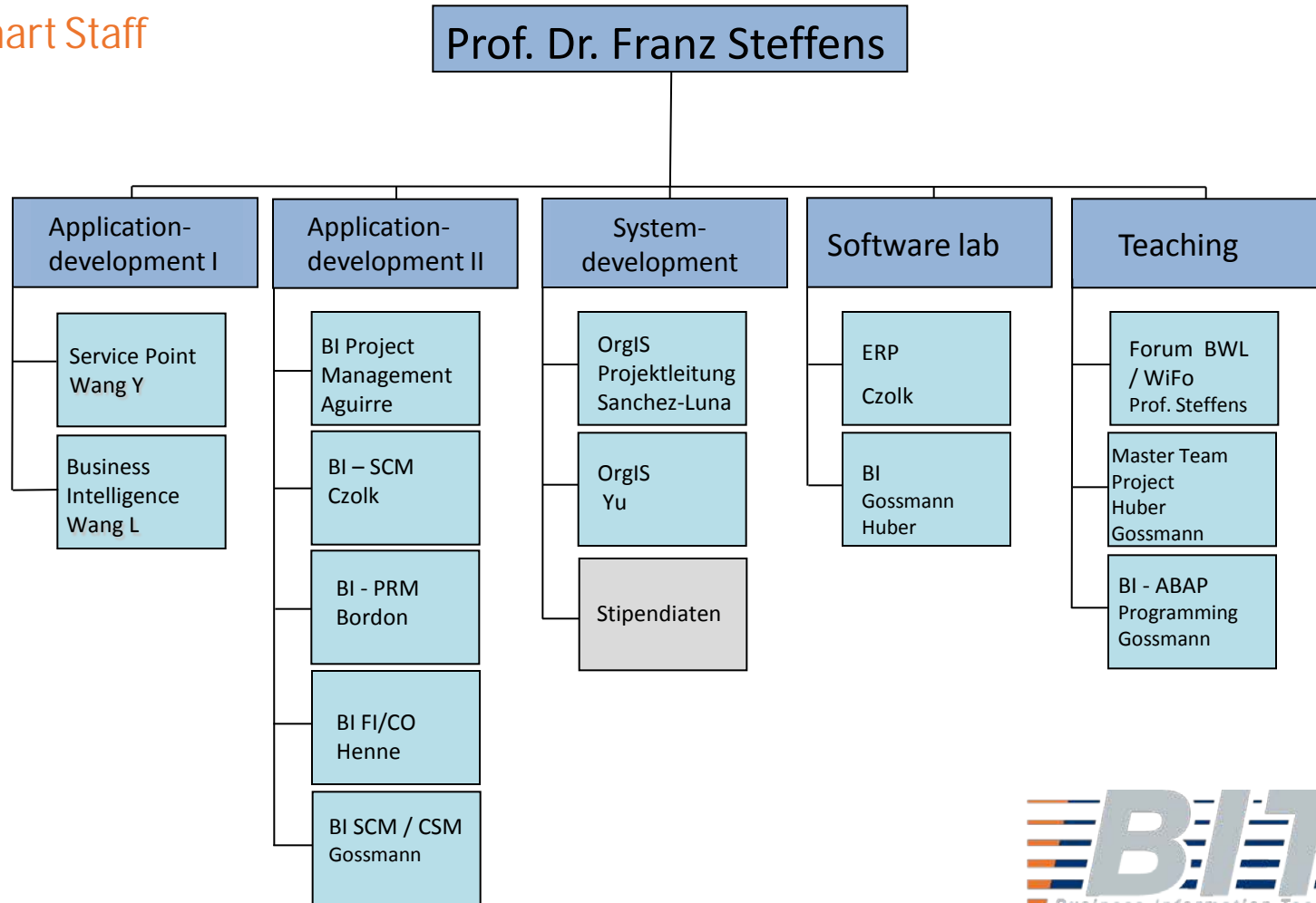
Activities

- Seminar
- Programming of business information systems (ABAP)
- Master Team Project – Business Intelligence



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Organization chart Staff



Teaching

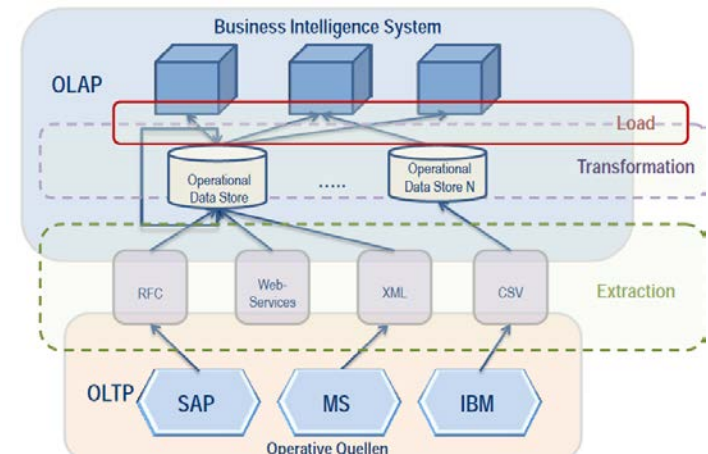
Fall semester 11/12

Course on voluntary basis (6 ECTS course starts in spring semester 12)

Programming of business information systems:

→ in the area of **Business Intelligence (SAP BI)**

- SAP ABAP programming language basics
- real-live use cases (programming examples)
- understanding the ETL process
- differentiation of analytical and transactional data
- using APIs in the ETL process
- reporting
- best practice and performance



Target group: Master students at the University of Mannheim

Teaching

Fall semester 11/12

Master Team Project

- Fast ad-hoc reporting, based on real-time or near to real-time data (in-memory replication)
- Creating a business plan and roll out concept
- Back end in memory data base and a front end reporting application



Target groups: Master students at the University of Mannheim



Seminar

Fall semester 11/12

Supervision Sequence

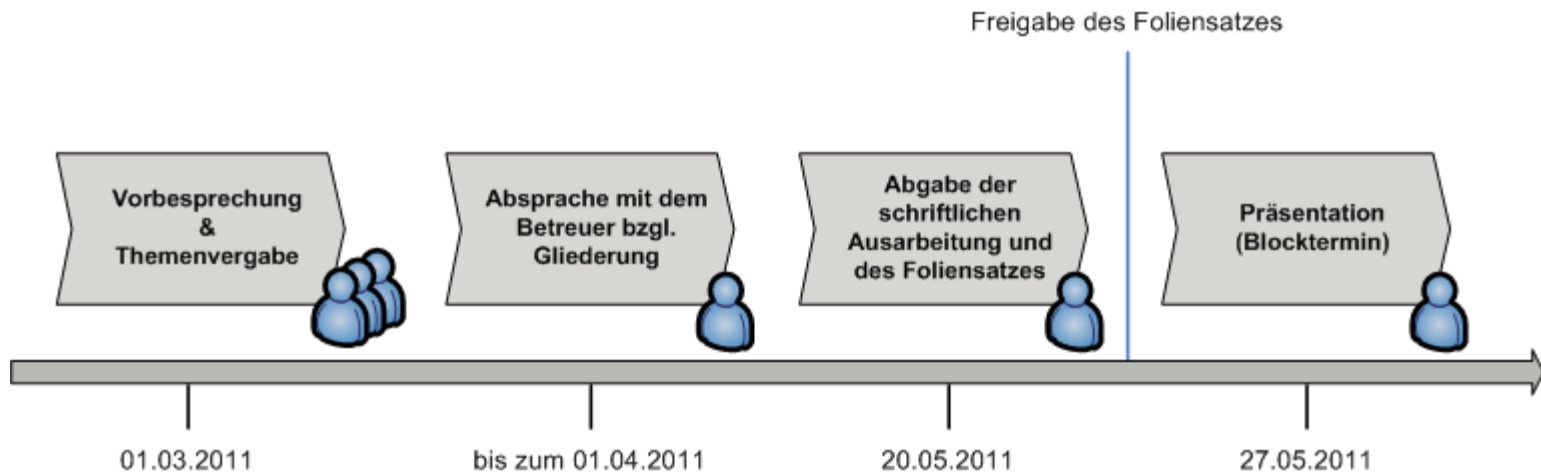


Abb. 1: Seminarablauf

- Grade:
 - 50% written summary
 - 50% presentation

Master and Bachelor Thesis

Teaching 11/12

Supervising Thesis Structure

Research Area

- very interesting, highly relevant topics
- delivered directly by the business demands

▪ Master Thesis

- Pilot phase
 - rough outline
 - project plan
 - literature research
 - 6 months elaboration (presenting milestones)

▪ Bachelor Thesis

- similar to Master Thesis
 - Pilot phase
 - 3 months elaboration (presenting milestones)

Master and Bachelor Thesis

Teaching 11/12

Supervision Sequence

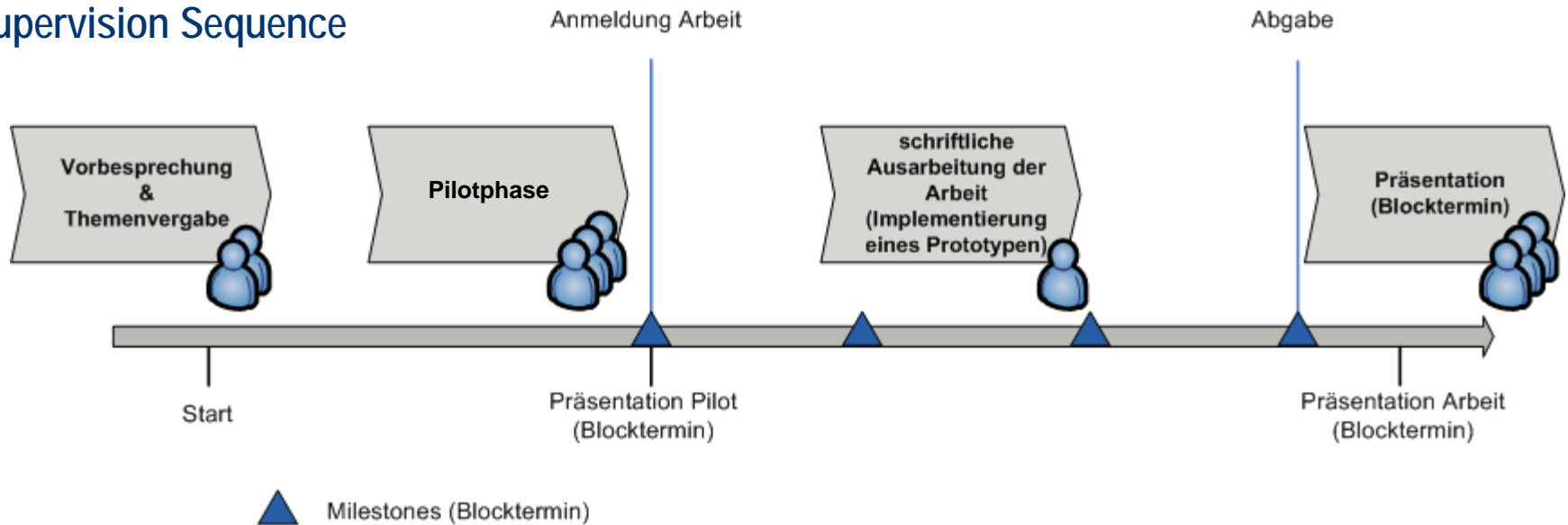


Abb. 2: Ablauf Bachelor- Masterarbeit

Carrer Development

Bridge between theory and practice

Projects in real business

- PhD programs and master thesis in collaboration with the industry
- Meeting platform for customers and system manufacturers of standard business applications
 - application roll out
 - organizational information system development
 - competence center for applied science
- Cooperation partners in the fields:
 - mid sized business
 - major enterprises
 - consulting firm

→ excellent career chances



Thank you

We appreciate your interest

Contact

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