Modulbeschreibung

Enterprise Information Systems

Module numbers:	30.2658 [PVL 30.2659]
Language:	english
Study programme:	Bachelor KMI 2024/2021 - Wahlpflichtkatalog I Bachelor 2021 - Wahlpflichtkatalog I Bachelor dual KITS 2021 - Wahlpflichtkatalog I Bachelor dual KoSI 2021 - Wahlpflichtkatalog I Bachelor 2014 - Katalog I: Anwendungs- und systemorientierte Module Bachelor KMI 2014 - Katalog I: Anwendungs- und systemorientierte Module Bachelor dual KoSI 2014 - Katalog I: Anwendungs- und systemorientierte Module
Type of course:	V+P = Lecture+Practical
Weekly hours:	2+2
Credit Points:	5
Exam:	written exam
PVL (e.g. Practical):	not graded (Successful completion of an ungraded assignment.)

Required knowledge:
- Basic knowledge of Business Administration and Management Information Systems
- Basic knowledge of Business Process Management
- Ideally domain knowledge from at least one common business area such as sales, accounting, materials management, procurement or HR.

Learning objectives:

Students
- can explain the basic concepts of Enterprise Information Systems (EIS)
- can describe the concepts of integrated value chains, integrated Information Systems (IS) and business process automation
- can provide an overview of the current EIS market, product categories (ERP, CRM, SCM etc.), architecture, delivery models, current trends and challenges
- can explain underlying activities of general core business processes such as sales, HR, procurement, financial accounting, controlling etc.
- are able to contribute in projects related to the development, implementation and maintenance of EIS
- are able to execute core business processes using EIS

Content:

This module provides an overview of pivotal concepts of EIS and demonstrates how common core business processes can be automated by using such systems. The module advances the theoretical understanding of EIS and provides students with the opportunity to apply those concepts on a real-life EIS (e.g., SAP) based on practical exercises and case studies.

The following topics are covered:
- Fundamentals of Enterprise Information Systems, Supply Chain Management Systems, Customer Relationship Management Systems
- Concepts of information integration
- Introduction to core business processes such as sales, HR, procurement, financial accounting, controlling etc. and avenues for automating such processes
- Development, implementation and maintenance of EIS

Literature:
- Bradford, M. 2015. Modern ERP: Select, implement, & use today's advanced business systems, (3rd ed.). Middletown: Lulu.
- Gronwald, K.-D. 2020. Integrated Business Information Systems: A Holistic View of the Linked Business Process Chain - ERP-SCM-CRM-BI-Big Data, (2. ed.). Berlin, Heidelberg: Springer.
- Laudon, K.C., and Laudon, J.P. 2022. Management Information Systems: Managing the Digital Firm. Harlow, Essex: Pearson Education Limited.

Lecture style / Teaching aids:
- System demonstrations
- Lectures
- Practical case studies and exercises to be conducted on a real-life EIS (e.g., SAP ERP)
- Moodle activities such as quizzes or tests

Responsibility: Daniel Burda