inf109 - Information Systems III

Module label: Information Systems III
Module code: inf109
Credit points: 6.0 KP
Workload: 180 h

Used in course of study:
- Master’s Programme Business Informatics > Bereichswahlmodule
- Master’s Programme Computing Science > Praktische Informatik

Contact person:
Module responsibility:
- Marco Grawunder
- Die im Modul Lehrenden

Authorized examiners:
- Marco Grawunder
- Die im Modul Lehrenden

Entry requirements

Skills to be acquired in this module:

Professional competence:
The students:
- describe concepts, languages and architectures of database systems
- discuss state-of-the-art database research topics
- analyze information processing tasks and implement solutions appropriately

Methodological competence:
The students:
- propose concrete processing requirements for special application classes
- assess the consequences of techniques and approaches
- perform supervised research in the field of information systems
- analyze and reflect complex information system requirements
- realize information demands and accordingly gather aim-oriented information

Module contents:
This module is a continuation of the content of information systems I and of information systems II. It deepens and extends the contents of the preceding modules and focuses mainly on current research questions. A special focus lies on concept of distributed data management.

Reader’s advisory:
- Özsu, M. Tamer; Valduriez, Patrick, Principles of distributed database systems
- Rahm/Saake/Sattler: Verteiltes und Paralleles Datenmanagement, Springer
- Paper from SIGMOD, VLDB or ICDE

Links:
http://www.is.informatik.uni-oldenburg.de/lehre/lehre.html

Language of instruction: German
Duration (semesters): 1 Semester
Module capacity: unlimited
Module level: AS (Akzentsetzung / Accentuation)
Modulart: je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program: V+U
Vorkenntnisse / Previous knowledge:
- Informationssysteme I
- Informationssysteme II
- JAVA

Examination:
Final exam of module: At the end of the lecture period
Written exam, oral exam or term paper

Course type:
- Lecture: 2.00
- Exercises: 2.00

Time of examination:
Workload attendance:
- Lecture: 28 h
- Exercises: 28 h
- Total time of attendance for the module: 56 h