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
• analyse 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
• analyse 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 frequency
jährlich

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

Time of examination
At the end of the lecture period

Type of examination
Written exam, oral exam or term paper

Course type
Lecture

Comment
2.00

Frequency
WiSe

Workload attendance
28 h

Exercises
2.00

WiSe

28 h

Total time of attendance for the module
56 h