**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](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**

<table>
<thead>
<tr>
<th>Time of examination</th>
<th>Type of examination</th>
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</thead>
<tbody>
<tr>
<td>At the end of the lecture period</td>
<td>Written exam, oral exam or term paper</td>
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</table>

**Course type**

<table>
<thead>
<tr>
<th>Comment</th>
<th>SWS</th>
<th>Frequency</th>
<th>Workload attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>2.00</td>
<td>WiSe</td>
<td>28 h</td>
</tr>
<tr>
<td>Exercises</td>
<td>2.00</td>
<td>WiSe</td>
<td>28 h</td>
</tr>
</tbody>
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**Total time of attendance for the module**

56 h