

t.DBMI - Datenbanken für Maschinentechnik-Informatik

Person responsible for the course: René Klopfer, klre

Credits: 3

Valid for: 2010/2011

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Learning objectives:

- Knowing, understanding, and implementing the organisation and functionality of relational databases
- Creating database models from practical problems and deducing them to a relational database
- Using of the language SQL as a tool for databases

Course content:

Data modelling

- UML data model
- UML relational model
- Normalizing and relational model
- Relational algebra

Query language

- Data Definition Language
- Data Manipulation Language
- Data Control Language
- Procedures, Triggers, Events

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x2L
Tutorial/Practicum	
Group teaching	14x1L
Block instruction	
Seminar	

Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

Number	Type	Weighting
1	End of term exam	
2	Exam during the semester	
	Further assessments	

Language of instruction:

Deutsch

Instruction material:

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Comments:

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