Data Management for Engineering Applications

Winter

(in German: Data Management for Engineering Applications)

Module-ID: FIN-INF-120326

Abbreviation	Credit Points	Semester	Term	Duration	Language	Level
DMEA	6	Winter	starting at 1.	1 Semester	english	Master

Link:	LSF
Limited accessability:	
Responsibility:	Gunter Saake
Lecturer:	Eike Schallehn
Classes:	• Lecture *Data Management for Engineering Applications* • Exercise *Data Management for Engineering Applications*
Applicability in curriculum:	- M.Sc. DE: Methoden des Digital Engineering

Intended learning outcomes:
The students ...

- understand and assess engineering applications
- understand basics of information systems
- design databases in the context of engineering applications

Content:

- Introduction in the design of relational and non-relational database systems
- Requirements of engineering data management
- Product data management with database systems
- Workflow support and interoperability
- Product lifecycle management

Workload:
56 contact hours + 94 h independent study + 30 h lab

Pre-examination requirements:	Type of examination:	Teaching method / lecture hours per week (SWS):
To be eligible to take the exam, you must have completed certain prerequisites. Further details will be announced in the first lecture.	Written exam (120 min)	• 2 SWS lecture • 2 SWS exercise class

Prerequisites according to examination regulations:	Recommended prerequisites:
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Media:	Literature:

Comments:

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