Scientific Project on Databases for Multi-Dimensional Data, Genomics, and modern Hardware

every

(in German: Scientific Project on Databases for Multi-Dimensional Data, Genomics, and modern Hardware)

Module-ID: FIN-INF-110507

Abbreviation	Credit Points	Semester	Term	Duration	Language	Level
SPDB	6	every	starting at 5.	1 Semester	english	Bachelor

Link:	LSF
Limited accessability:	
Responsibility:	Gunter Saake
Lecturer:	Gunter Saake
Classes:	Lecture *Scientific Project on Databases for Multi-Dimensional Data, Genomics, and modern Hardware*

Applicability in curriculum:	- B.Sc. INF: Schlüssel- und Methodenkompetenzen - B.Sc. INF: FIN SMK - B.Sc. CV: Schlüssel- und Methodenkompetenzen - B.Sc. CV: FIN SMK - B.Sc. INGINF: Schlüssel- und Methodenkompetenzen - B.Sc. INGINF: FIN SMK - B.Sc. INF (bilingual): Schlüssel- und Methodenkompetenzen - B.Sc. INF (bilingual): FIN SMK

Intended learning outcomes:
The students ...

- work and coordinate in a team
- write academic papers
- present scientific results
- develop solutions on selected topics of databases or their applications
- assess their own work critically

Content:

- Scientific writing
- Survey of research literature
- Advanced research topics in the area of databases, genomics and modern hardware

Workload:
contact hours: 14h lectures + 8h presentations + 14h consultations
self study: 60h implementation + 24h presentations + 30h papers

Pre-examination requirements:	Type of examination:	Teaching method / lecture hours per week (SWS):
	Seminar paper (Referat)	• Vorlesung (2 SWS) • Betreuung (2 SWS)

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

Comments:
Requirement: Passing an initial programming test

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