CURRICULUM M.SC. DATA MANAGEMENT

DISTANCE LEARNING, 60 ECTS credits

Semester FT	Semester PT I	Semester PT II	Module	Course Code	Course	ECTS credits	Type of Exam
1. Semester	1. Semester	1. Semester	Concepts in Data Management	DLMDMCDM01	Concepts in Data Management	5	Exam
			Database Concepts and Technologies	DLMDMDCT01	Database Concepts and Technologies	5	Exam
			Big Data Technologies	DLMDSBDT01	Big Data Technologies	5	Oral Assigment
		2. Semester	Data Warehousing, Pipelines and Orchestration	DLMDMDWPO01	Data Warehousing, Pipelines and Orchestration	5	Case Study
	2. Semester		Managing Data Projects	DLMDMMDP01	Managing Data Projects	5	Oral Assignment
			Advanced Research Methods	DLMARM01	Advanced Research Methods	5	Written Assignment
2. Semester	2. Semester	3. Semester	Seminar: Cloud Providers and Services	DLMDMSCPS01	Seminar: Cloud Providers and Services	5	Research Essay
	3. Semester		ELECTIVE*		e.g. Master Data Manager	10	
		4.	Master Thesis		Master Thesis Thesis Defense	14 1	Master Thesis Presentation: Colloquium
Total credits 60 ECTS							

Elective

Data Manager for Internet of Things
Data Miner
Master Data Manager
Data Security and Protection Specialist
Data Scientist
Business Analyst
Technical Project Lead
Process Management and Operational Application Systems
AI and Mastering AI Prompting

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You can find more information about your degree program in the module handbook on our website.

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You've already planned out exactly how your course schedule should look? Wonderful! The IU offers you the flexibility to choose any module you like from any semester. You can work on a number of modules at the same time or one by one.

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At the beginning, choose modules that particularly interest you or that you can use directly in your job. This motivates you and gives you success right from the start.

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* Elective: Choose one module

FT: Full-Time, 12 months
PT I: Part-Time I, 18 months
PT II: Part-Time II, 24 months