

Module MA-INF 3230	Enterprise Information Systems				
Workload 180 h	Credit points 6 CP	Duration 1 semester	Frequency every year		
Module coordinator	Prof. Dr. Sören Auer				
Lecturer(s)	Prof. Dr. Sören Auer				
Classification	Programme M. Sc. Computer Science		Mode Optional	Semester 1.	
Technical skills	Students acquire knowledge in the design, development and use of information systems in companies and organizations in general but also in online communities, and inter-enterprise value chains.				
Soft skills					
Contents	<ul style="list-style-type: none"><li>• Information systems in the enterprise, in particular Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), Supply Chain Management (SCM), data warehouse / business intelligence, e-commerce, geographic information systems.</li><li>• technologies for the implementation of modern information systems and information system environments: in particular, service-oriented information system architectures, workflow management (BPEL), semantic-based data integration, business process management,</li><li>• Information systems for the processing of Big Data in particular transactions (OLTP) and analytical information systems (OLAP) for decision support. Data Warehousing and Data Mining.</li></ul>				
Prerequisites	none				
Format	Teaching format	Group size	h/week	Workload[h]	CP
	Lecture	60	2	30 T / 45 S	2.5
	Exercises	30	2	30 T / 75 S	3.5
	T = face-to-face teaching; S = independent study				
Exam achievements	Written exam (graded)				
Study achievements	Successful exercise participation (not graded)				
Forms of media					
Literature					