



Methods and Tools for Management Information Systems

Lecture – Winter Semester 2007 / 2008





Dates & Obligations

- lecture
 - weekly tuesday, 11:00 am to 1:00 pm (*cum tempere*); room: g22a-208
- exercise
 - weekly tuesday, 3:00 pm to 5:00 pm (*cum tempere, unless otherwise noted*), starting on october 16th; room: g29-427
- news and teaching materials: http://wwwiti.cs.uni-magdeburg.de/iti_mis/
- there will be a 20-minute verbal examination at the end of the semester which you'll have to pass in order to finish the lecture successfully
- please note: you are obligated to participate in both the lecture and the exercise to pass the lecture
- contact: stefan.breitenfeld@web.de



Aims of this Lecture

- an understanding for technological basics of management information systems
- information organisation and representation on the basis of XML and related technologies
- modelling of real and real-conform circumstances using XML schemes, the resource description framework and topic maps



Content

- XML and related technologies
 - document type definitions (DTDs)
 - namespaces & entities
 - XML schema
 - XSL
 - XBRL & BPMN
- semantic technologies
 - resource description framework (RDF)
 - ontologies, web ontology language (OWL)
 - topic maps