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://wwwwiti.cs.uni-magdeburg.de/iti_mis/](http://wwwwiti.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

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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