Advanced Data Models
SS 2008

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Organization

♦ Lecture (Dr. C. Quix)
  – Wednesdays, 15:15-16:45, AH VI
♦ Tutorials (X. Li)
  – Tuesdays, 10:00-11:30, 5055
  – Bi-weekly
  – Starting: April 22, 2008
♦ Exceptions (DIES)
  – No Lecture: May 14, May 28, June 11
  – No Tutorial: May 6

Contents

♦ Part I: Introduction
  – Introduction
  – Repetition/Comparison of Data Models
♦ Part II: Data Models
  – Object Relational Data Model
  – XML & Semistructured Data
  – OWL & Ontologies
  – Multidimensional Data Models
  – Quality of Data Models

Contents

♦ Part III: Data Integration
  – Data Integration, Data Exchange, P2P
  – Mappings
  – Schema Integration
  – Schema Matching
♦ Part IV: Model Management Research
  – Generic Metamodels
  – Schema Evolution
  – Model Management & Dataspaces
Course Tutorials

- Discussion of exercises
- Homework can be done in groups of up to 3 students

- Requirements for certificate/credits
  - Fulfill all of the following requirements:
    - Score at least 50% of the points in the homework assignments
    - Pass exam (written/oral) at the end of the semester

Course Material

- Online
  - http://www-i5.informatik.rwth-aachen.de/lehrstuhl/lehre/ADM08/
  - User: adm08
  - Password: GeRoMe@i5