Database Systems Group, Prof. Martin Gogolla: Teaching - General remarks

- Courses in the area database systems

- DBS: Database Systems / Datenbanksysteme
  Winter semester

- DIS/EIS: Design of Information Systems / Entwurf von Informationssystemen
  Summer semester
  Topic: Information system design, concentrating on the
  Object Constraint Language (OCL) in connection with modeling languages as
  UML (Unified Modeling Language) or EMF (Eclipse Modeling Framework)

- Theses (Bachelor, Master, Diploma) and examinations in the area Database
  Systems and Software Design

- **COURSE**: Design of Information Systems (8 ECTS)

  WEB INFO: `http://www.db.informatik.uni-bremen.de`

  Preferably after 4th semester; for students having experience in software development; suitable for Bachelor and Master students

  LECTURES: Thu 10-12 MZH 5210, Thu 14-16 MZH 1450, Start 1st lect. week

  EXERCISES: Wed 10-12 MZH 1450, Start 2nd lect. week

  CONTENT: Design of Information Systems with modeling languages like UML or EMF; UML diagram forms and language features; properties of the Object Constraint Language (OCL); semantics of OCL; datamodels, metamodels

  Tool USE (UML-based Specification Environment): internationally used OCL tool; developed by Bremen Database Systems Group; basically an interpreter for a subset of UML including full OCL; offering executable models; tool gives feedback on the developed system; for example, by animating the system; learn about our papers with google 'gogolla publications'

  tool is about MODEL EXECUTION and MODEL TESTING not about DRAWING

  FORM OF EXAMINATION: (A) Writing a paper about an application designed with UML/OCL (English or German; homework, "Hausarbeit"; including presentation of results in the exercise lessons; within a group of about 3 students); (B) oral examination (20 minutes)