

DM505 Databases

Spring 2007, 4th Quarter

Exam Questions

1. Data modeling, with focus on the Relational Model
2. Data modeling, with focus on the Entity-Relationship Model
3. Relational algebra
4. Structured query language (SQL), with focus on the query part
5. Normalization theory, with focus on BCNF
6. Normalization theory, with focus on 3NF
7. Index structures, tree-based
8. Index structures, hash-based

The exam takes place on June 11 and 12, in IMADA's seminar room and room U49, respectively. At IMADA's departmental office, you can find sheets on which you can enter your name. There is a separate sheet for each day and each sheet has an enumerated number of slots. You put your name in an open slot. This determines which day you are taking the exam and which number student on that particular day you are. You must get this done one week before the first day of exams. We expect to take a new student in approximately every half an hour (except for a half hour lunch break). Since some students may decide not to appear, and since the external examiner does not receive any payment for students who do not show up, you must be ready *at least 2 hours before the exam time you signed up for* (but not earlier than the first exam time that day, of course). If not, you may lose your exam try.

The exam itself is without preparation. Thus, after you draw a topic, the examination starts immediately (you may look at notes for 10 seconds). You have the opportunity of making a presentation of around 15 minutes using the blackboard (you cannot bring your own transparencies). We will most likely ask questions during your presentation. Afterwards, we will also ask questions related to the rest of the curriculum. The total examination time will be around 25 minutes.