


Introduction to Databases




Tania Cerquitelli

AA. 2016-2017

Teacher

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Organization of the course

- Lesson start date: March 7st 2017
- Lesson end date: June 14th 2017
- Room and schedule time for lessons and practices


Date	Slot time	Room
Tuesday	8:30am – 11:30am	2D
Wednesday	11:30am-2:30pm	1T
Wednesday ¹	5:30pm-7:00pm	LabInf
Friday ¹	11:30am-1:00pm	LabInf

¹ Start date will be announced




Objectives of the course

- The study of the relational data model
- The study of query languages for relational databases
 - Relational algebra, a procedural language
 - SQL language, with declarative and procedural features, for queries and updates
- The study of database design methodologies
- The development of applications for database querying and management




Exam policy


- The exam consists of a compulsory written part (time slot: 2 hours)
 - 3 multiple choice theory questions
 - 1 exercise on relational algebra
 - 2 exercises on SQL language
 - 1 exercise on database design



Homework


- 4 homeworks to be delivered during the course
 - The first three homework exercise, delivered by the deadline, gives 0.5/30
 - The last homework exercise, delivered by the deadline, gives 1/30
- The points on the homework exercises will be valid until the exam session of September 2017 (included)






Homework discussion

- Students who have delivered the homework exercises should bring the documentation with them at the written exam
- During each written exam, we will notify the names of the students (among those attending the written exam) involved in the discussion of the homework exercises
- The homework exercises will be checked with these students immediately after the written exam




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Materials

- Course web site
 - <http://dbdmq.polito.it/wordpress/teaching/databases/>
 - Set of slides used in class
 - Texts and solutions of the exercises presented in class
 - Texts and materials useful for laboratory exercises/practices




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Database book

- Database Systems - Concepts, Languages and Architectures Paolo Atzeni, Stefano Ceri, Stefano Paraboschi and Riccardo Torlone McGraw-Hill Book Company 1999, ISBN 0-07-709500-6
- A free PDF file is available on
 - <http://dbbook.dia.uniroma3.it/>



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