Suggerimenti | Autenticato tramite Shibboleth - IDP: Studenti

Politecnico di Torino

Academic Year 2010/11 (first time established in A.Y.2007/08)

01LSZJA

Databases

1st degree and Bachelor-level of the Bologna process in Electronic And Computer Engineering - Vercelli (III FACOLTA' DI INGEGNERIA)

Teacher	Status	SSD	Les	Ex	Lab	Years Stability
Torchiano Marco	RC	ING-INF/05	3.2	1	0.8	1

SSD	CFU	Activities	Area context
ING-INF/05	5	B - Caratterizzanti	Ingegneria informatica

Objectives of the course

Providing the basic notion of data bases, considered a set of archives, and the methodology for design and implementation. Describe and let use a data base management system.

Expected skills

Ability to design, implement, and query a data base.

Prerequisites

Basic knowledge of programming languages.

Syllabus

- The data base and data base management system concepts
- Data base models
- The relational data model
- Relational algebra.
- The SQL language.
- Transactions.
- A data base design methodology.
- Conceptual design.
- Logic design

Laboratories and/or exercises

Laboratories and exercises for the SQL language and execises for data base design.

Bibliography

Handouts are available for all topics of the course.
Additional readings include:
- P. Atzeni, S. Ceri, S. Paraboschi, R. Torlone, Database Systems ' Concepts, Languages and Architecture, Mc Graw Hill, 1999.
- C.J. Date, An Introduction to Database Systems, 8E, Addison-Wesley, 2004

Revisions / Exam

Two hours final exam with exercices and question on all topic treated in the course.

Programma definitivo per l'A.A.2010/11

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