Basi di Dati Modulo 1
Presentazione del Corso

Giuseppe Perelli

Corso di Laurea in Informatica
Anno Accademico 2022-23

▷ Assistant Professor

▷ Ph.D. in Computer Science (Background in Mathematics)

▷ main research interests:

  – Formal Methods for Artificial Intelligence
  – Logics and Games for Multi-Agent Systems
  – Synthesis and Rational Synthesis

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- ☞ Course Website
- ☞ Google Classroom
- ☞ Class attendance form (no more PRODIGIT)

Timetable

– Mercoledí: dalle 9:00 alle 12:00		Edificio Caglioti (Chimica) CU032 - Aula I
– Venerdí dalle 13:00 alle 15:00		Edificio CU045 - Aula T1

Office hours

By appointment   perelli@di.uniroma1.it

I have a question about the course. Should I post on classroom or send an email?

▷ Is this relevant to the rest of the class?   Post it on classroom

▷ Does it regard me only?   Send an email

Examples:

▷ I think there is a typo in the slides   Classroom

▷ I need a meeting to better understand third normal form   Email

▷ Exception: I tested positive!   Email

Email guidelines

▷ Use your Sapienza account

▷ Mention the class in the subject

▷ Sign with name and last name at the end (ID not necessary but appreciated)

▷ book:
- R. A. Elmasri, S. B. Navathe
  Sistemi di basi di dati – Fondamenti, 2004
- J. D. Ullman: Principles of Database & Knowledge-Base Systems, Vol. 1: Classical Database Systems

▷ other readings:
- Abraham Silberschatz, Henry F. Korth, S. Sudarshan. Database System Concepts.
- P. Atzeni, S. Ceri, S. Paraboschi, R. Torlone. Database Systems - Concepts, Languages and Architectures.

▷ course webpage

▷ Relational Algebra

▷ Relational Theory

▷ Physical organization

▷ Concurrency

▷ written paper (about 2 hours) with exercises on:
- Relational Algebra
- Relational Theory
- Physical Organization

▷ written paper is passed iff all sections are marked with a sufficient score

▷ written paper is mandatory to access the oral test:
- Definitions and basics on Relational Theory
- **Proofs** of theorems in Relational Theory
- Physical organization
- Concurrency

- ▷ **winter**: 2 dates in January and February, 1 "extra" date in April (only for repeating students, workers, and other categories)
- ▷ **summer**: 2 dates in June and July
- ▷ **autumn**: 1 "regular" date in September, 1 "extra" date in October (same as above)

Note: written paper pass can be carried over in the same session (it has to be reaped if oral is in a different session)