

Databases I

**Program**

1. Introduction to databases
2. Database Environment
  - 2.1. ANSI-SPARC Architecture
  - 2.2. Database languages
  - 2.3. Data Models
  - 2.4. Database management systems
3. Relational Model
  - 3.1 Relational integrity
  - 3.2. Relational Languages
    - 3.2.1 Relational Algebra
4. Normalization
5. Entity - Relationship modeling
6. Structure Query Language – SQL (Lab Classes)

**Bibliography:**

Connolly, Thomas, Carolyn Begg and Anne Strachan, *Database Systems, A Practical Approach to Design, Implementation and Management*, Addison-Wesley 2nd Edition, 1999. UBI library: I-6.2-53

**Assessment:**

Two small tests: April, 18<sup>th</sup>, May, 23<sup>rd</sup>, 11 O'clock, room 6/25.

2 points each

One project: - 7 points (minimum to be go to exam: 3 points)

One final test: June, 13<sup>th</sup> 11 O'clock, room 6/25

- 9 points (minimum to pass: 3.5)