



Introduction To Databases

Politecnico di Torino

**Exam policy for the June-July 2020 session
(COVID-19 emergency)**

Due to the COVID-19 emergency, the exam consists exclusively of a **written** part carried out using the **Respondus** tool.

Rules for the written test

- Only students who have **regularly booked** for the exam through the Didactic portal (Portale della didattica) are admitted to the written test.
- Students have to provide an **identity document including a photograph** (Photo ID).
- The duration of written test is **90 minutes**.
- Each student needs a **PC compatible with the Respondus tool** and an **adequate Internet connection**.
- The student must take the exam in a **room alone**. **Only the PC** used to take the exam must be on the desk. **No other objects** can be present on the desk
 - Books, notes, empty sheets and any other paper materials **are NOT allowed**.
 - Electronic devices of any kind (PCs, laptops, mobile phones, ...), apart from the PC used to take the test, **are NOT allowed**.
 - Exceptionally, in order to support students during the exam, the questions will include a link to the PDF version of the course slides. Students can use that link to access the PDF version of the course slides in the Lockdown browser. Availability of the linked folder for the duration of the exam cannot be guaranteed. Therefore, the exam is valid even if, for any reason, the linked folder provided is not available or accessible during the exam.
- If any problem preventing the continuous remote supervision of the test arise, **the exam will be voided**. Such problems include, but are not limited to:
 - Hardware PC problems
 - Lack of audio from the microphone or video from the webcam (even temporary)
 - Lack of network connection (even temporary)

On teacher discretion, some students may be required to take an **oral interview** in order to verify that the written test has been taken following every rule.

Structure of the written test

- The test consists of **multiple-choice questions** and **exercises that require a textual answer**.
- The points awarded for each exercise/question will be specified before the text of the exercise/question.
- In multiple-choice questions a negative score is assigned for an incorrect answer. For each multiple-choice question, the points of the penalty will be specified together with the points assigned for the correct answer.

Composition of the written test

- Multiple-choice **theory** questions (max. total points 3/30; 3 questions).
The topics of the theory questions are the same as those described in the general exam rules already posted for this course. They include relational model theory, integrity constraint management, view management, transaction management, security, SQL for applications (JDBC, database connection, HTML, PHP).
- Exercises about **relational algebra** with textual answer (max. total points 4/30; 2-3 exercises).
- Exercises about **SQL** with textual answer (max. total points 11/30; 2-3 exercises).
- Exercises about **Triggers** with textual answer (max. total points 3/30; 1-2 exercises).
- **Database design** exercises that include:
 - **Conceptual design** exercises with textual answer (max. total points 7/30; 2-3 questions);
 - **Logical design** exercises with textual answer: starting from a given conceptual schema, **design the logical schema** and the **integrity constraints** (max. total points 3/30; 1-2 exercises).

Homework evaluation

- First 3 homeworks, delivered within the deadline: 0.5/30 each, with random sample verification.
- Last elaborate (the project), delivered within the deadline with verification of correct execution during the last laboratory of the course: 1/30

Final evaluation

- The exam is passed if a grade $\geq 18/30$ is achieved on the written part.
- If in the written part a grade $\geq 18/30$ is achieved, the final grade is obtained by summing the grade obtained on the written part and the points obtained on the homework assignments.
- If students fail the exam, the exam failure is recorded.
- The points achieved from the homework evaluation are valid until the January 2021 session included.