



## *Data science and database technology*

### **Politecnico di Torino**

#### **Exam policy for the postponed exam due to covid-19 emergency**

**Exam scheduled on May 9, 2020**

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For this date the exam will be exclusively **written**. The written test will be conducted through the **Respondus** tool. The oral test is suspended during this round.

#### **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 written test lasts **50 minutes**.
- Each student needs a **PC compatible with the Respondus tool** and **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**.
- 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 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** (typically SQL code).
- The points of 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 4/30; 2-4 questions).  
The topics of the theory questions are the same as those described in the general exam rules already posted for this course.
- Multiple-choice **physical design** questions (max. total points 6/30; 2-4 questions).
- **Trigger design** exercises (max. total points 10/30).
- **Data warehousing** exercises that include:
  - Multiple-choice **data warehouse design** questions (max. total points 3/30; 2-3 questions);
  - **Extended SQL queries** against a given relational schema (max. total points 8/30).

### 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 obtained on the homework assignments are valid until the exam session on September 2020 included.