



## *Data science and database technology*

### Politecnico di Torino

#### Exam policy for the exams scheduled on June-September 2020 (Covid-19 emergency)

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The exam will be exclusively **written**. The oral test is suspended during this round.

The written exam takes place with a PC using the Exam university framework integrated with the Respondus proctoring tool. The correct execution of the exam on the Respondus tool will be verified and irregular behaviors will be prosecuted following the university rules.

#### 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 **65 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**.
- In case of connectivity problems (or other technical problems) the university rules in the “Guidelines for online exams” will be followed.

#### Structure of the written test

- 2-4 multiple-choice **theory** questions (max. total points 4/30). The topics of the theory questions are the same as those described in the general exam rules already posted for this course.
- 2-3 multiple-choice questions on **physical design** (max. total points 6/30). The use of drawing tools is not required.
- 1-2 exercises on **trigger design** (max. total points 10/30). The exercises are structured as open questions. The student has to provide textual answers writing the SQL code in a textual box.
- 1 exercise on **data warehousing** that include:

- 2-3 multiple-choice questions on **data warehouse design** (max. total points 3/30)  
The use of drawing tools is not required.
- 2 **extended SQL queries** against a given relational schema (max. total points 8/30).  
The exercises are structured as open questions. The student has to provide textual answers writing the SQL code in a textual box.
- In multiple-choice questions a penalty (negative score) is assigned for an incorrect answer. The negative score is equal to 15% of the question score. Missing answers are worth zero.

### **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.