

# Databases

## Introduction to the Databases Course – PL Classes

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**Bachelor in Informatics Engineering**  
*Department of Informatics Engineering*  
University of Coimbra  
2021/2022

2021/2022, Lesson #0 - PL

1

## Who Am I?

- Nuno Antunes
- Email: *nmsa@*
- Office: D2.5
- Office hours:

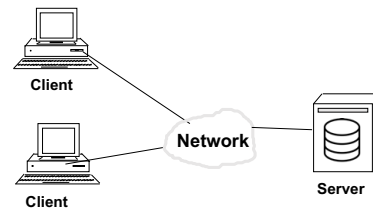
**Check with the  
Professor of your PL**

or at any other time; just send me an email and we will find a time slot

2

## What will you learn?

- What is a (relational) database?
- How to install a database server?
- How to design a database schema?
- How to develop a database application?
  - Including database specific languages
- What are the main database administration tasks?
  - Including security challenges



3

## PL Classes

- Installing a Database Management System (DBMS)
- SQL
- Entity-Relationship Model
- Transactions and Concurrency Control
- Procedural SQL (PL/pgSQL)
- Database Indexing
- Database Administration and Security

*Some time devoted to monitoring/assessing the status of the project!*

4

# Rules of Engagement

- Practical Labs (PL)
  - Hands-on, exercises, discussion...
- **Make sure to download the materials before class!**
  - Even have a first read, if possible
- Arrive on time for the lessons!
- If you have a question, just ask!

5

# Q&A



6

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