

# Course Introduction

WELCOME

# Two Courses

- 1DV503 - Database technology
- 1DT903 - Databases and data modeling
- What is different?
  - Assignments and examination will be adjusted for each separately. Major topics discussed are relatively the same.

# Some topics covered within this course

- Databases and Database Management Systems (DBMS)
- Database model (ex. Relational model)
- Database design
- Database programming
- Transactions
- ...

# Course Structure

- A series of lectures (10 in total)
  - Usually discussing theoretical aspects
- Three Labs/Workshops – practical exercises for DB design, SQL and programming with databases
  - NOTE: Python is the programming language used in this course
- One written assignment
- Two programming assignments
- Written and Oral examinations

# People

- Ilir Jusufi
  - Examiner of the course
  - I will post information on consultation hours later once my schedule for this term is fixed.
  
- 5 TA's

# Grading

- You will be graded based on 3 modules:
  - W: Written assignment
  - P: Programming assignments (the average of both submissions)
  - F: Final examination (Written + Oral)
- Final grade:  $W*0.2 + P*0.4 + F*0.4$
- NOTE: You need to pass each of the assignments separately to be able to get a grade!
  - Clarification: You cannot pass the programming module by only passing one of the assignments at maximum points and getting only 50% at the other. You need to have 60% of points on both parts to get a grade!

# Grading

Percentage	ECTS Grade	LNU Grade
0% - 59%	F (Fail)	U (underkänd)
60% - 67%	E	G
68% - 76%	D	G
77% - 85%	C	G
86% - 94%	B	VG
95% - 100%	A	VG

# Grading – additional information

- WA - Written assignment - individual
- PA Programming assignments:
  - PA1 – individual
  - PA2 – group
- Examination:
  - Written examination (grades E – C)
  - Book a oral examination for grade (B – A) after passing the written examination
    - **NOTE:** it is possible that you might lower your grade during the oral exam if you come unprepared. For instance: You got C in your written examination. While we test you during oral examination, you fail to answer a basic question, you might end up getting a lower grade than C.



# Assignment questions

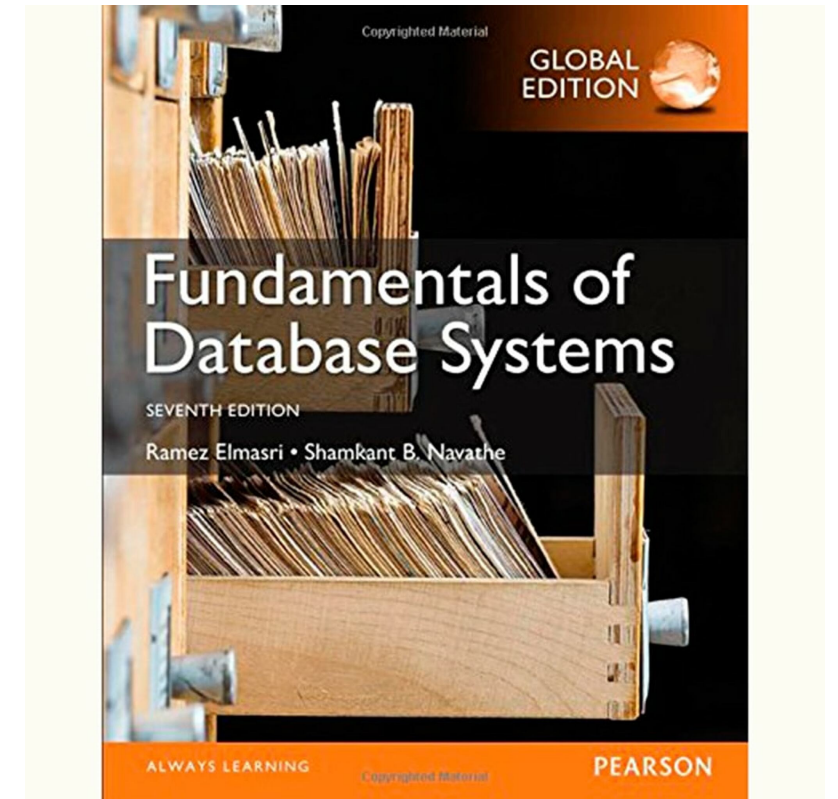
- Each assignment will have a corresponding forum for questions and communications.
  - SLACK: <https://mymoodle.lnu.se/mod/url/view.php?id=3278094>
  - **ASSIGN FOR TUTORING GROUPS IN MOODLE to be able to submit assignments.**
- You are expected to post questions in the appropriate forums/channels before you send us an email. There are around to 300 students, and we often get the same question in tens of times. Therefore, **post questions on forum/channels, but first check if it was answered before!** This will be the fastest way you will get an answer.

# Pre-assignment

- You will get a pre-assignment. This will not be used to grade you but will show your course activity.
  - Therefore, **it is mandatory to submit it!**

# Literature

- Elmasri, Ramez, & Navathe, Shamkant B., Fundamentals of database systems. 7th edition



Questions?