Introduction to

Database Systems

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Contact Information

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Course Contents

- Credits: 4

Week 1	Database System Concepts & Architecture
Week 2-3	Entity-Relationship Model
Week 4-5	Relational Model
Week 6-7	Structured Query Language (SQL)
Week 10-11	Database Design Theory & Methodology
Week 12-13	Data Storage, Indexing & Physical Design
Week 14	Database Security
Week 15	Emerging DB Technologies and Applications
Week 16	Revision

Assessments

- No midterm exam
- Assignments: group of 4-5 students
  - Assignment 1: 10%
  - Assignment 2: 20%
- Final lab exam: 20%
- Final: 50%
  - Closed test
  - 90': Multiple-choice test

Bonus and Penalty

- Penalty of no-reason absence
  - 2nd time: - 0.5 (of final exam)
  - 3rd time: - 1.0 (of final exam)
  - > 3 times: 0 for final exam
- Reading assignment
  - Students should prepare the reading assignment at home
  - Students will answer questions given in class
- In-class activity bonus

References

- [1] R. Elmasri & S.B. Navathe (2011). **Fundamentals of Database Systems**, 6th Edition, Addison-Wesley.

- [2] N. Shah (2005). **Database Systems Using Oracle – A Simplified Guide to SQL and PL/SQL**, 2nd Edittion, Prentice Hall.

- [3] T. Connolly & C. Begg (2005). **Database Systems – A Practical Approach to Design, Implementation, and Management**, 4th Eddition, Addison-Wesley.