| Week 6 - Tue Feb 3 | Intro; Relational model | Book: 1; 2.1-2.3; 7.1.1 |
|---|---|---|
| Week 6 - Thu Feb 5 | Relational algebra (RA1, RA2)<br>Exercises 1-5 | Book: 4-4.6; rest of 2 |
| Week 7 - Tue Feb 10 | ERD; FD concept (FD1)<br>Exercises 6-9 | Book: 3-3.1 |
| Week 7 - Thu Feb 12 | More FDs; Lossless decomposition; BCNF (FD2)<br>Exercises 10-12<br>Deadline HW1 | Book: 3-3.3 (not 3.2.8) |
| Week 8 - Tue Feb 17 | SQL (SQL1.1, SQL1.2)<br>Queries | Book: 6-6.5; 7-7.2; 7.4 |
| Week 8 - Thu Feb 19 | Further normalization: 3NF, DP (NORM1, NORM2)<br>Exercises 15-19<br>Lab1 | Book: 3.4; 3.5 |
| Week 9 - Tue Feb 24 | 4NF; Indexing<br>Exercises 20-22 | Book: 3.6; 8.3 |
| Week 9 - Thu Feb 26 | Constraints; Triggers; Views; SQL-injections<br>Exercises 25<br>Lab1 | Book: 7.5; 8; 10.1 |
| Week 10 - Tue Mar 3 | Break - No classes<br>Deadline HW2 | |
| Week 10 - Thu Mar 5 | Break - No classes | |
| Week 10 - Fri Mar 6 | Deadline Lab1 | |
| Week 11 - Tue Mar 10 | TP: Concurrency (CC1, CC2)<br>Exercises 26-32 | Book: 18-18.4.2 |
| Week 11 - Thu Mar 12 | TP: Recovery (REC1-REC3)<br>Exercises 35-38 | Book: 19; 17 |
| Week 12 - Tue Mar 17 | 2PC; Query Processing (QP1)<br>Exercises 39-40, 44<br>HW3 | Book: 20.5; 15.1-15.3.4 |
| Week 12 - Thu Mar 19 | Query Processing Algorithms (QP2-4)<br>Session 6; Lab2<br>Deadline HW3 | Book: 16.2-16.3 |
| Week 13 - Tue Mar 24 | MapReduce<br>Lab2 | |
| Week 13 - Thu Mar 26 | No classes | |
| Week 13 - Fri Mar 27 | Deadline Lab2 | |
| Week 14 - Tue Mar 31 | Guest lecture | |
| Week 14 - Thu Apr 2 | Example exam | |