

Schedule Databases 2019-2020

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Week date	Topics	Clips	Exercises	Slides	Assignment	Book
6 tue Feb 4	Intro Relational model		No session			1; 2.1-2.3
6 thu Feb 6	Relational algebra	RA1 RA2	Defining your data; Algebra			2; 7-7.1.1
7 tue Feb 11	ERD FD: concept	FD1	Session 1			4 - 4.6; 3 - 3.1
7 thu Feb 13	More FDs: lossless decomposition, BCNF	FD2	Identification; Lossless decompositions			3 - 3.3, not 3.2.8
8 tue Feb 18	SQL	SQL1.1 SQL1.2	Session 2			6 - 6.5; 7-7.2, <7.3>, 7.4
8 thu Feb 20	Further normalization: 3NF, DP	NORM1 NORM2	Queries			3.4 (with <3.4.2>), 3.5,
9 tue Feb 25	4NF, indexing		Session 3 Lab1			3.6 - 3.6.2, 3.6.4; 8.3
9 thu Feb 27	Constraints, triggers, view		Qualities of decompositions			7 - 7.5; 8; 10.1;
10 tue Mar 3	Break: no classes		Session 4 Lab 1			
10 thu Mar 5	Break: no classes					
11 tue Mar 10	TP: concurrency	CC1 CC2	Session 5			18 - 18.3, 18.4.1, 18.4.2, <remainder of 18.4>,
11 thu Mar 12	TP: recovery	REC1 REC2	Recovery			19.2.1, 19.2.2; 17, 19.-19.1.5;
12 tue Mar 17	2PC; Query processing (algebraic rewriting)		Session 6			20.5; 15.1, 15.1.3, 15.1.4, 15.3 - 15.3.4 15.4.6, <15.6.1 - 15.6.3>
12 thu Mar 19	Query processing (algorithms)		Query processing			<16.1>, 16.2, 16.3 (with<16.3.2>)
13 tue Mar 24	Guest lecture		Session 7 Lab 2			
13 thu Mar 26	Assorted topics					
14 tue Mar 31	Example examination		Lab 2			
14 thu Apr 2	spare					

- means "up to and including"; < > means "additional reading"

Thursday exercises are online.