

## Schedule Databases 2019-2020

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Week date	Topics	Clips	Exercises	Assignments	Book
<b>6 tue Feb 4</b>	Intro; Relational model		No session		1; 2.1-2.3
<b>6 thu Feb 6</b>	Relational algebra	<a href="#">RA1</a> <a href="#">RA2</a>	<a href="#">Defining your data;</a> <a href="#">Algebra</a>		2; 7-7.1.1
<b>7 tue Feb 11</b>	ERD FD: concept	<a href="#">FD1</a>	<a href="#">Session 1</a>		4 - 4.6; 3 - 3.1
<b>7 thu Feb 13</b>	More FDs: lossless decomposition, BCNF	<a href="#">FD2</a>	<a href="#">Identification;</a> <a href="#">Lossless decompositions</a>		3 - 3.3, not 3.2.8
<b>8 tue Feb 18</b>	SQL	<a href="#">SQL1.1</a> <a href="#">SQL1.2</a>	<a href="#">Session 2</a>		6 - 6.5; 7-7.2, <7.3>, 7.4
<b>8 thu Feb 20</b>	Further normalization: 3NF, DP	<a href="#">NORM1</a> <a href="#">NORM2</a>	<a href="#">Queries</a>		3.4 (with <3.4.2>), 3.5,
<b>9 tue Feb 25</b>	4NF, indexing		<a href="#">Session 3</a> Lab1		3.6 - 3.6.2, 3.6.4; 8.3
<b>9 thu Feb 27</b>	Constraints, triggers, view		<a href="#">Qualities of decompositions</a>	<b>Deadline group registration</b>	7 - 7.5; 8; 10.1;
<b>10 tue Mar 3</b>	Break: no classes		<a href="#">Session 4</a> Lab 1		
<b>10 thu Mar 5</b>	Break: no classes		Lab assistance	<b>Deadline lab 1: Friday March 6</b>	
<b>11 tue Mar 10</b>	TP: concurrency	<a href="#">CC1</a> <a href="#">CC2</a>	<a href="#">Session 5</a>		18 - 18.3, 18.4.1, 18.4.2, <remainder of 18.4>,
<b>11 thu Mar 12</b>	TP: recovery	<a href="#">REC1</a> <a href="#">REC2</a>	<a href="#">Recovery</a>		19.2.1, 19.2.2; 17, 19.-19.1.5;
<b>12 tue Mar 17</b>	2PC; Query processing (algebraic rewriting)		<a href="#">Session 6</a>	<b>12/3 Deadline HW2</b>	20.5; 15.1, 15.1.3, 15.1.4, 15.3 - 15.3.4 15.4.6, <15.6.1 - 15.6.3>
<b>12 thu Mar 19</b>	Query processing (algorithms)		<a href="#">Query processing</a>		<16.1>, 16.2, 16.3 (with<16.3.2>)
<b>13 tue Mar 24</b>	<i>Guest lecture</i>		<a href="#">Session 7</a> Lab 2	<b>24/3 Deadline HW3</b>	
<b>13 thu Mar 26</b>	Assorted topics			<b>27/3 Deadline retake lab 1</b>	
<b>14 tue Mar 31</b>	Example examination		Lab 2		
<b>14 thu Apr 2</b>	spare				

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