

## CS4430 – DBMS (FALL 2014)

### TENTATIVE CLASS SCHEDULE

Note: Keep in mind that the following schedule is tentative and may change as the semester progresses.

Week	Date	Topic	Reading
1	Tue 9/2	Course Overview	
	Thu 9/4	Introduction	Ch. 1
2	Tue 9/9	Relational model	Ch. 2.1-3
	Thu 9/11	Relational algebra	Ch. 2.4
3	Tue 9/16	Relational algebra (cont'd)	Ch. 2.4, 5.1
	Thu 9/18	SQL: Intro	Ch. 6.1-2
4	Tue 9/23	SQL: Subquery	Ch. 6.3
	Thu 9/25	SQL: Aggregation	Ch. 5.2, 6.4
5	Tue 9/30	SQL: Insert/Delete, Review	Ch. 6.5
	Thu 10/2	Constraints and triggers	Ch. 7
6	Tue 10/7	Transactions, views, and indexes	Ch. 6.6, 8
	Thu 10/9	SQL authorization	Ch. 10.1
7	Tue 10/14	<b>Midterm Exam</b>	
	Thu 10/16	Database programming	Ch. 9.1-2
8	Tue 10/21	Database programming (cont'd)	Ch. 9.3-4
	Thu 10/23	CLI/JDBC/PHP	Ch. 9.5-7
9	Tue 10/28	E-R model	Ch. 4.1-4
	Thu 10/30	E-R model to relational model	Ch. 4.5-6
10	Tue 11/4	Review and in-class exercises	
	Thu 11/6	ODL & UML	Ch. 4.7-10
11	Tue 11/11	FD and schema refinement	Ch. 3.1-2
	Thu 11/13	BCNF and 3NF	Ch. 3.3-5
12	Tue 11/18	More on normal forms	Ch. 3.6-7
	Thu 11/20	Datalog	Ch. 5.3-4, 10.2
13	Tue 11/25	Object-relational database	Ch. 10.3, 10.5
	Thu 11/27	<i>Thanksgiving holiday</i>	
14	Tue 12/2	<b>Project Presentation</b>	
	Thu 12/4	<b>Project Presentation</b>	
15	Thu 12/11	<b>Final Exam (2:45PM-4:45PM)</b>	

#### SEPTEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

#### OCTOBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

#### NOVEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

#### DECEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			