

CSCI 331 – Database Systems

Fall 2017 TENTATIVE Meeting Schedule

Unless otherwise noted, reading assignments are from <i>Fundamentals of Database Systems</i> (7 th Ed.)	Project-related material can be found under <code>/usr/people/classes/CS331/handouts/Project</code>
Practice problem sets can be found under <code>/usr/people/classes/CS331/handouts/PracticeSets</code>	Electronic submissions should go to <code>/usr/people/handins/CS331/</code>

Day	Topic	Readings	Due
WEEK 01			
TUE, Aug 29	Course Intro / ER Modeling		
THU, Aug 31	ER Modeling	READ: 1.1-1.4, 1.6-1.8, 2.1-2.2, 2.5-2.6	<i>Start on Set 1: ER Modeling</i>
WEEK 02			
TUE, Sep 05	ER Modeling	READ: 3.1-3.10, 4.1- 4.3.1	
THU, Sep 07	The Relational Model	READ: 5.1-5.3	<i>Set 1 due: ER Modeling</i>
WEEK 03			
TUE, Sep 12	ER-to-Relational Mapping	READ: 9.1	<i>Start on Set 2: Mapping</i>
THU, Sep 14	ER-to-Relational Mapping	READ: 9.2.1	
WEEK 04			
TUE, Sep 19	SQL	READ: 6.1-6.5	<i>Set 2 due: Mapping</i>
THU, Sep 21	SQL	READ: 7.1.1-7.1.8, " <i>HAVINGvsWHERE.pdf</i> "	
WEEK 05			
TUE, Sep 26	SQL	READ: 7.1 (all sections)	<i>Start on Set 3: SQL I (work in pairs)</i>
THU, Sep 28	SQL		<i>Project Phase I due</i>
WEEK 06			
TUE, Oct 03	Oracle & Procedural SQL	READ: 7.2-7.4	<i>Set 3 due: SQL I (work in pairs)</i>
THU, Oct 05	Exam I (Intro – SQL I)		
WEEK 07			
TUE, Oct 10	Oracle & Procedural SQL		<i>Start on Set 4: SQL II (work in pairs)</i>
THU, Oct 12	Oracle & Procedural SQL		
WEEK 08			
TUE, Oct 17	FREE DAY – NO CLASSES HELD		
THU, Oct 19	Theory of Normalization	READ: 14.1-14.2	<i>Set 4 due: SQL II (work in pairs)</i>
WEEK 09			
TUE, Oct 24	Theory of Normalization	READ: 14.3-14.5, 15.1-15.2 (proofs not required)	<i>Start on Set 5: Normalization</i>
THU, Oct 26	Theory of Normalization / JDBC		<i>Set 5 due: Normalization</i>

WEEK 10			
TUE, Oct 31	JDBC	READ: 10.1, 10.3.2, 10.4.1, 10.5	<i>Start on Set 6: JDBC</i>
THU, Nov 02	Web Programming Recap	Recap: Go to http://www.w3schools.com/html/default.asp and study ALL chapters under HTML Basics up to and including HTML Forms (make sure to do the “Try it yourself” exercises; feel free to finish all chapters as Knowing HTML is expected of CSCI majors and minors READ: “ More on JSP tutorial.pdf ” [Again, try out examples in readings. Ignore sections dealing with where and how to save files] Recommended: “ Web Programming History.pdf ”	Project Phase II due
WEEK 11			
TUE, Nov 07	Web Programming Recap	Practice: Go to http://www.jsptut.com to learn about JSP and JavaBeans. Study ALL sections. Try out ALL examples; you can’t learn Web Development by just reading	<i>Set 6 due: JDBC</i> <i>Start on Set 7: Web Programming</i>
THU, Nov 09	Relational Algebra	READ: 8.1-8.3	<i>Set 7 due: Web Programming</i>
WEEK 12			
TUE, Nov 14	Exam II (all of SQL – JDBC)		
THU, Nov 16	Relational Algebra	READ: 8.1-8.3 STUDY “ <i>SummaryOfRelationalAlgebraOperators.pdf</i> ” in the <i>SummarySheets</i> folder on the N: drive	
WEEK 13			
TUE, Nov 21	Relational Algebra	READ: 8.4-8.5	<i>Start on Set 8: Relational Languages</i>
THU, Nov 23	THANKSGIVING – NO CLASSES HELD		
WEEK 14			
TUE, Nov 28	Relational Algebra		
THU, Nov 30	QPQO	READ: 18.1, 19.1	<i>Set 8 due: Relational Languages</i>
WEEK 15			
TUE, Dec 05	Relational Calculus / Big Data	READ: 8.6 (excluding 8.6.5 and 8.6.7), 24.1-24.3.2, 25.1	
THU, Dec 07	Big Data / Final Notes	WATCH VIDEO: https://www.youtube.com/watch?v=pWbMrx5rVBE (<i>you are urged to attempt all steps in the video including downloading and installing MongoDB on your own computers ... you will learn a lot of useful and fun stuff related to NOSQL DBs.</i>)	
WEEK 16			
TUE, Dec 12	Project in-class presentations		Project Phase III due
WED, Dec 13	STUDY DAY		
TUE, Dec 19	4th Day of EXAMS (Comprehensive) Final Exam 08:00am–10:00am		