

Basic SQL Queries (UML diagrams?) ch 3.3-3.4	Jan 30	L Gordon
More SQL ch 3.5-3.8	Jan 30	C Zhang
SQL Joins ch 4.1	Feb 1	A Burgess
JDBC / ODBC (Java, Python, ...) ch 5.1	Feb 6	ME
URI (Also get/post) & HTML	Feb 8	E Hughes
Intro to Javascript	Feb 15	S Cohen
Intro to the DOM — updating DOM via javascript	Feb 15	S Butun
Javascript closures and first class functions	Feb 20	S Sitaf
Javascript, passing in functions for later execution / JSON	Feb 20	H Britton
Javascript and server communication	Feb 22	M Rabadaya
Javascript short polling, long polling and web sockets	Feb 22	R Mohammed
Linking Node.js to PostgreSQL	Feb 27	A Shultz
Basic DDL (in PostgreSQL) ER-Modeling ch 6	Feb 29	Z Perry
DB Normalization ch 7.3, 7.7	Mar 5	Y Sun
More on DDL & Normalization — maybe some ER modeling	Mar 7	ME
Review /Importing data into PostgreSQL	Mar 19	ME
MIDTERM — NO CLASS, NO LAB	Mar 21	
Intro to MongoDB	Mar 26	ME
MongoDB Queries	Mar 26	Lei Lei
MongoDB Aggregation Framework	Mar 28	C Amoaba
indexing mongo	Mar 26	SKIP
Linking Mongo to Node	Mar 28	ME
Using Postgres as a document store (mongo equivalent)	April 2	OPEN
Concurrency (ch 18) in Postgres (ch 32))	Apr 4	K Lamichhane
B-Trees and Other data models underlying DBMS (ch 14.3,4,5)	April 9	P Chen
Transactions (ch 17)	April 11	D Buck
Sharding (ch 10.2.2 — will require considerable outside information)		SKIP
Map/Reduce (ch 10.3)	April 16	N Steil
XML and queries on XML xpath, xquery	April 18	G Swenson-Hollis
Alternate DB models — Spreadsheets — the DB functions	April 23	E Wolpert
Alternate DB Models — Google BigTable, Apache Cassandra (ch 10.6?)	April 25	A Marmer-Adams
Lab 5 presentations	April 30 and May 2	All