CIS 355 - Business Data Warehouses and Dimensional Modeling
Fall 2014 Course Schedule

FALL2014-TTh	Dates	topic	reading/watching (before class)	assignment due (end of day)
week 1	25-Aug	the big picture	Kimball + Ross TOC, introduction	
	27-Aug	git, github, and the CIS 355 project	try.github.io , tinyurl.com/39hd87l	form teams (in class)
week 2	1-Sep	labor day - NO CLASS		
	3-Sep	conceptual modeling & ER diagrams		project repo setup + README
week 3	8-Sep	logical database design & normalization		
	10-Sep	SQL queries		
week 4	15-Sep	database hack day		
	17-Sep	database hack day		ER diagram + requirements
week 5	22-Sep	physical design, OLTP vs OLAP	BI at Guthy-Renker (file)	transactional DB
	24-Sep	intro to DW/BI	K+R chapter 1	DB tests
week 6	29-Sep	retail sales - intro + facts	K+R chapter 3	
	1-Oct	retail sales - dimensions		individual homework - PVFC queries
week 7	6-Oct	retail sales - transformations		
	8-Oct	retail sales - a BI application		
week 8	13-Oct	fall break - NO CLASS		project requirements - first cut
	15-Oct	**midterm exam**		
week 9	20-Oct	inventory - types of facts	K+R chapter 4	
	22-Oct	Kimball architecture + conformed dimensions		
week 10	27-Oct	inventory hack day		project requirements - 2nd cut
	29-Oct	procurement - slowly changing dimensions	K+R chapter 5	
week 11	3-Nov	procurement hack day		
	5-Nov	order management	K+R chapter 6	
week 12	10-Nov	order management hack day		first transforms + deliverables
	12-Nov	**Hadoop, MapReduce, Apache Spark**		
week 13	17-Nov	ETL for professionals	K+R chapter 19	
	19-Nov	more ETL techniques		
week 14	24-Nov	**NoSQL databases + analytics appliances**	K+R chapter 20	2nd transforms + deliverables
	26-Nov	**data visualization**		
week 15	1-Dec	big data analytics	K+R chapter 21	
	3-Dec	**tech talks**		presentation to class
finals week	8-Dec	**(2:30-4:20pm) final exam**		**project report**
	10-Dec			

last updated: 9/15/2014