

Fall 2017 - W205 – Storing and Retrieving Data - Kevin R. Crook

(Note: other instructors may have a different schedule and different late penalties)

Week #	Asynchronous Material I-School Virtual Campus (ISVC)	Live Class Session	Distributed	Due Dates and Times
	(Please watch videos and complete reading assignments before class)			<i>Late Penalties:</i> <i>Labs: 5 % per day (or fraction of a day),</i> <i>Exercises: 5 % per day (or fraction of a day),</i> <i>Project: cannot be late</i> <i>Final Submission Date: No work of any kind may be submitted for credit after the last live class session</i>
1	Unit 1 – Course Introduction and Architecture	Th 8/31 Tu 9/5	Lab 1	
2	Unit 2 – Dimensions and Scaling: Understanding Trade-Offs	Th 9/7 Tu 9/12	Lab 2	Lab 1 – Tuesday, 9/12/2017 11:59 PM PT
3	Unit 7 – Querying Data (we are doing this out of order so students have experience with SQL & ERD needed in Exercise 1)	Th 9/14 Tu 9/19	Lab 5	Lab 2 – Tuesday, 9/19/2017 11:59 PM PT
4	Unit 3 – Structure and Organization	Th 9/21 Tu 9/26	Lab 3 Exercise 1	Lab 5 – Tuesday, 9/26/2017 11:59 PM PT (In ISVC please submit under Week 7: Lab 5)
5	Unit 4 – Data Lakes: Storage and Maintenance	Th 9/28 Tu 10/3	Lab 4	Lab 3 – Tuesday, 10/3/2017 11:59 PM PT (In ISVC please submit under Week 5: Lab 3)
6	Unit 5 – Data Ingestion: Storage and Maintenance	Th 10/5 Tu 10/10	Project	Lab 4 – Tuesday, 10/10/2017 11:59 PM PT
7	Unit 6 – Data Processing and Aggregation	Th 10/12 Tu 10/17		Project: form groups & select problem area
8	Unit 8 – Exploring Data	Th 10/19 Tu 10/31 Fall Break (spans)	Lab 6	Exercise 1 – Tuesday, 10/31/2017 11:59 PM PT
9	Unit 9 – Streaming Data	Th 11/2 Tu 11/7	Lab 7 Exercise 2	Lab 6 – Tuesday, 11/7/2017 11:59 PM PT Project: proposal report – 10 minute presentation in class
10	Unit 10 – Cleaning Data, Entity Linkage, String Clustering and Fuzzy Methods for Merging Datasets	Th 11/9 Tu 11/14	Lab 8	Lab 7 – Tuesday, 11/14/2017 11:59 PM PT
11	Unit 11 – Graph Models and Analysis	Th 11/16 Tu 11/28 Thanksgiving (spans)	Lab 9 Lab 10	Lab 8 – Tuesday, 11/28/2017 11:59 PM PT Project: progress report – 10 minute presentations in class
12	Unit 12 – Serving Data	Th 11/30 Tu 12/5		Lab 9 – Tuesday, 12/5/2017 11:59 PM PT
13	Unit 13 – Advanced Topics	Th 12/7 Tu 12/12		Exercise 2 – Tuesday, 12/12/2017 11:59 PM PT
14		Th 12/14 Tu 12/19		Lab 10 – Tuesday, 12/19/2017 11:59 PM PT Project Presentations in class