Week	Date	Due	Class Topic
0	Thu 9/3		Reading: Chapter 1 Lecture: Introduction/Sandbox Install
0	Fri 9/4	1:30 PM Due: Finish Installing Sandbox	Reading: Chapter 2 (Till Page 36) Lecture: Introduction to MapReduce
1	Mon 9/7		Reading: Chapter 6 Lecture: MapReduce Extra Credit 1: Hadoop Streaming (See Slides for details)
1	Tue 9/8	1:30 PM - Due Extra Credit 1	Reading: Chapter 3 (Pages 43 - 51 and 67-76) Lecture: Executing MapReduce Jobs on a Cluster, Configuration + HDFS Concepts
1	Wed 9/9		
1	Thu 9/10		Reading: Chapter 3 (Pages 67-76, Skim Read Chapter on Java Interface for HDFS) Lecture: HDFS Command Line, NameNode HA + Data flow
1	Fri 9/11		Lab 1: MapReduce + HDFS (Local + Cluster Execution)
2	Mon 9/14	11:55 PM Due: Lab 1: MapReduce + HDFS (Local + Cluster Execution)	Reading: Chapter 5 (Pages 97 -110) Lecture: Data Integrity, Compression & Serialization
2	Tue 9/15		Reading: Chapter 5 (Pages 110 -136) Lecture: Serialization Continued & Sequence Files
2	Wed 9/16		
2	Thu 9/17		Reading: Chapter 7(Pages 185-203) Lecture: How does MapReduce work? Lab 2: Serialization

2	Fri 9/18	1:30 PM Due: Project Milestone 0 (See Syllabus)	Reading: Chapter 4(Skim Read from Page 79 - 96) Lecture: How does Yarn work?
3	Mon 9/21	1:30 PM Due: Extra Credit Week 2 11:55 PM Due: Lab 2 Serialization	Reading: Chapter 8 Lecture: MapReduce Types & Input & OutputFormats
3	Tue 9/22		Reading: Chapter 9 (Pages 247 -257) Lecture: Counters
3	Wed 9/23		
3	Thu 9/24		Reading: Chapter 9 (Pages 257-279) Lecture: Secondary Sort & Joins
3	Fri 9/25	11:55 PM Due: Project Milestone 1 (See Syllabus) 1:30 PM Due: Research Milestone 0 (See Syllabus)	Lab 3: Advanced MapReduce - Counters & Joins
4	Mon 9/28	1:30 PM Due: Extra Credit Week 3	Reading: Chapter 10 Lecture: Cluster Installation
4	Tue 9/29	11:30 AM Due Lab 3: Advanced MapReduce - Counters & Joins	Lab 4: Cluster Installation
4	Wed 9/30		Take Home Exam Assigned
4	Thu 10/1		Exam 1 (Chapter 1, Chapter 2(Till Page 36), Chapter 3(Pages 43 -51, 67-76), Chapter 4, Chapter 5, Chapter 6, Chapter 7(Pages 185-203), Chapter 8, Chapter 9 (Pages 247-270)
4	Fri 10/2	11:30 AM Due Take Home Exam 1 4:30 PM Due Lab 4: Due Cluster Installation 4:30 PM Due: Project Milestone 2 (See Syllabus)	Reading: Chapter 16 (Pages 423-447) Reading: Pig Documentation(see Link in Useful links) section on Getting Started Lecture: Introduction to Pig, Syntax Overview

		4:30 PM Due: Research Milestone 1 (See Syllabus)	
5	Mon 10/5		Reading: Chapter 16 (Pages 457-469) Lecture: Pig - Syntax Continued & User Defined Functions Reading: Pig Documentation(see Link in Useful links) section on Pig Basics
5	Tue 10/6	11:55 PM Due: Project Milestone 3 (See Syllabus)	Reading: Chapter 11 (Pages 447-453) Lecture: Pig - User Defined Functions continued Lab 5: Pig
		Fall Break	
6	Mon 10/12	1:30 PM Due: Extra Credit Week 5	Reading: Chapter 17 (Pages 471 - 489) Reading: Hive language manual (see linksin Useful Links) Lecture: Introduction to Hive, Syntax Overview
6	Tue 10/13	11:30 AM Due: Lab 5 Pig	Reading: Chapter 17 (Pages 489-509) Reading: Hive Partitions Introduction(See Links in useful Documentation) Lecture: Hive - Syntax Continued & Partitioning
6	Wed 10/14		
6	Thu 10/15		Reading: Chapter 17 (Pages 510 - 518) Reading: Hive UDF (See link in useful links) Lecture: Hive - User Defined Functions
6	Fri 10/16	1:30 PM Due: Project Intermediate Status Report 1:30 PM Due: Research Intermediate Status Report	Lab 6: Hive
7	Mon 10/19	1:30 PM Due: Week 6 Extra Credit	Reading: Chapter 15

			Reading: Sqoop User Guide (See link in useful links) Lecture: Sqoop Import
7	Tue 10/20	11:30 AM Due: Lab 6 Hive	Reading: Flume User Guide, Chapter 14 (See link in useful links) Lecture: Sqoop Export & Flume Intro
7	Wed 10/21		
7	Thu 10/22		Reading: Oozie Documentation(See link in useful links) Lecture: Flume Interceptors & Oozie Introduction
7	Fri 10/23	1:30 PM Due: Project Intermediate Status Report 1:30 PM Due: Research Intermediate Status Report	Lab 7: Sqoop and Flume
8	Mon 10/26		Reading: Oozie Documentation(See link in useful links) Lecture: Oozie Introduction Continued
8	Tue 10/27	11:30 AM Due: Lab 7 Sqoop and Flume	Lab 8: Oozie Lecture: Oozie Coordinators
8	Wed 10/28		8 AM: Take Home Exam 2 Assigned
8	Thu 10/29	1:30 PM Due: Take Home Exam 2	Exam 2(No Class)
8	Fri 10/30	1:30 PM Due: Project Intermediate Status Report 1:30 PM Due: Research Intermediate Status Report	Project Day 1 (No Class)
9	Mon 11/2	1:30 PM Due: Week 8 Extra Credit - Oozie Data Triggered Coordinator	Reading: Storm Documentation Lecture: Storm Continued
9	Tue 11/3		Reading: Storm Documentation Lecture: Storm Continued

9	Wed 11/4	3:30 PM Due: Lab 8 Oozie (No Late Days Allowed)	
9	Thu 11/5		Reading: Chapter 19 Lecture: Spark
9	Fri 11/6	1:30 PM Due: Project Intermediate Status Report 11:55 PM Due: Research Final Lab Delivery 11:55 PM Due: Project Milestone 4 (See Syllabus)	Project & Research Demonstrations (Sriram's office)
10	Mon 11/9		Lecture: To be Announced/Spark Continued
10	Tue 11/10		Lecture: Enterprise use cases for Hadoop & Lambda Architecture
10	Wed 11/11		
10	Thu 11/12		Final Project Demonstration (Sriram's office)
10	Fri 11/13	1:30 PM Due: Team Member Evaluation Form(Hard Copy) 11:55 PM Due: Project Milestone 6 (See Syllabus)	Final Project Demonstration (Sriram's office)
Finals Week		**You are done - Nothing is due/ Enjoy your break**	