

CS 6350.001 - SPRING 2024

Tentative Schedule of Lectures

** Subject to change at the discretion of the instructor and class requirements **

Date	Topic
January 17	Introduction to Big Data (BD)
January 22 and 24	Hadoop Distributed File System (HDFS)
January 29 and 31	MapReduce Concepts and Algorithms
February 5 and 7	Introduction to Apache Spark, PySpark/Scala Programming
February 12 and 14	Apache Spark 2
February 19 and 21	Spark SQL
February 26 and 28	Big Data analytics using MLlib
March 4	Exam Review
March 6	Exam 1 at the Testing Center
March 11 and 13	Spring Break
March 18 and 20	Big Data analytics using MLlib 2
March 25 and 27	Spark GraphX
April 1 and 3	Spark Structured Streaming
April 8 and 10	Apache Hive
April 15 and 17	Introduction to NoSQL technologies, MongoDB
April 22 and 24	NoSQL programming - HBase, Cassandra
April 29	Exam Review
May 1	Exam 2 at the Testing Center