**Hadoop Developer Made Easy!**

**Spring 2017**

[**http://madeeasy-academy.teachable.com/p/hadoop-developer-made-easy**](http://madeeasy-academy.teachable.com/p/hadoop-developer-made-easy)

**Revised: 01/31/2017**

**Tentative Weekly Schedule:**

The following Schedule outlines the topics covered in this course, along with the associated timeframes, readings, activities, and assignments. All due dates reflect Central Standard Time (CST). Specifying the time zone ensures that all students have the same deadlines, regardless of where they live.

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Week** | **Module** | **Themes** | **Activity** | **Notes...** |
| 1 | 2/6/2017 - 2/12/2017 | ***Welcome*** | *Prerequisites and Setup* | -Readings  -Concept Quiz  -Setup Environments |  |
| 2 | 2/13/2017 - 2/19/2017 | ***Module 1*** | *Introduction to BigData and Distributed Computing* | -Readings  -Concept Quiz  -Lab 1 |  |
| 3 | 2/20/2017 - 2/26/2017 | ***Module 1*** | *Introduction to Hadoop and MapReduce* | -Readings  -Concept Quiz |  |
| 4 | 2/27/2017 - 3/5/2017 | ***Module 2*** | *-Sqoop Overview*  *-Drivers and Connectors*  *-Sqoop Importing Data* | -Readings  -Concept Quiz |  |
| 5 | 3/6/2017 - 3/12/2017 | ***Module 2*** | *-Sqoop Exporting Data*  *-Sqoop Jobs and Automation* | -Readings  -Concept Quiz  -Lab 2 |  |
| 6 | 3/13/2017 - 3/19/2017 | ***Module 3*** | *-Apache Hive Overview*  *-Hive Use Cases*  *-Metastore*  *-Managed and External Tables* | -Readings  -Concept Quiz  -Event 1 (due) |  |
| 7 | 3/20/2017 - 3/26/2017 | ***Module 3*** | *-HiveQL DeepDive*  *-Hive DDLs*  *-Hive DMLs* | -Readings  -Concept Quiz  -Lab 3 |  |
| 8 | 3/27/2017 - 4/2/2017 | ***Module 3*** | *-Hive UDFs*  *-Hive Properties and Optimization*  *-ODBC*  *-CLient tools (Aginity, Toad, DB Visualizer)* | -Readings  -Concept Quiz  -Lab 4 |  |
|  | 4/3/2017 - 4/9/2017 |  | No Class |  | Midterm Break |
| 9 | 4/10/2017 - 4/16/2017 | ***Module 4*** | *-Apache Pig Overview*  *-Pig Use cases* | -Readings  -Concept Quiz  -Event 2 (due) |  |
| 10 | 4/17/2017 - 4/23/2017 | ***Module 4*** | *-Pig DeepDive* | -Readings  -Concept Quiz  -Lab 5 |  |
| 11 | 4/24/2017 - 4/30/2017 | ***Module 5*** | *-Flume Overview* | -Readings  -Concept Quiz  -Resume Building |  |
| 12 | 5/01/2017 - 5/07/2017 | ***Module 5*** | *-Flume DeepDive* | -Readings  -Concept Quiz  -Lab 6  -Mock Certification Exam |  |

**\*Events:**

Find events from this list or any other sources to attend. Please attend event by due date. This is great source of networking, contributing and becoming connected in the industry. Learning is good, but nothing is more important than taking that learning and putting it to practice in the real world.

* <https://www.meetup.com/Big-Data-Developers-in-Minneapolis/>
* <https://www.meetup.com/Twin-Cities-Hadoop-User-Group/>
* <http://minneanalytics.org/events/>