

Data Processing

Academic Year: (2022 / 2023)

Review date: 25-05-2022

Department assigned to the subject: Signal and Communications Theory Department

Coordinating teacher: MOLINA BULLA, HAROLD YESID

Type: Electives ECTS Credits : 3.0

Year : 1 Semester : 2

ASSESSMENT SYSTEM

Group laboratory works: 100%

Session Laboratory Reports: 40%

Special Practical Works (2): 60% (2x30%)

% end-of-term-examination:	0
% of continuous assessment (assignments, laboratory, practicals...):	100

BASIC BIBLIOGRAPHY

- George, Lars HBase: The Definitive Guide, O'Reilly.
- H. Karau, A. Konwinski, P. Wendell, and M. Zaharia, Learning Spark: Lightning-Fast Big Data Analysis, O'Reilly, 2015
- Sandy Ryza Advanced analytics with spark: patterns for learning from data at scale, O'Reilly, 2015

ADDITIONAL BIBLIOGRAPHY

- PENTREATH, N. y PAUNIKAR, A Machine learning with Spark : create scalable machine learning applications to power a modern data-driven business using Spark, Packt Publishing, 2015

BASIC ELECTRONIC RESOURCES

- Apache Foundation . SPARK: <https://spark.apache.org>
- Apache Foundation . HBase: <http://hbase.apache.org>
- Apache Foundation . Hadoop: <http://hadoop.apache.org>