

MSc in Applied Data Science & Big Data

“Deep Learning with PyTorch, Christopher Bourez”

Volume of classes hours: 25 hrs (*± same personal work expected*)

Course summary: Begins with an Introduction To PyTorch, Deep Learning, Neural Architectures and their applications (scholar). Train Neural Network on a GPU (practice). Extend the implementation.

Course Objectives:

- Become familiar with Deep Learning
- Gain Practical experience in Deep Learning
- Learn PyTorch’s basics

Theoretical background used: Python programming

Technologies Used: Pytorch, Cuda/CUDNN, NVIDIA GPUs

Course evaluation: study or compare different Neural Network Implementations to solve a problem. Write more code to extend the solution.