



Course Overview

Foundational skills <ul style="list-style-type: none">• Programming for Data Science (Python)• Maths and Statistics for Data Science	Core data science and AI skills <ul style="list-style-type: none">• Exploratory Data Analysis (EDA) and data wrangling• Data Visualisation• Database access• Application Programming Interfaces (APIs)• Supervised learning (Regression and Classification)• Unsupervised learning (Clustering and Dimensionality reduction)• Deep Learning• Natural Language Processing (NLP)• Artificial Intelligence• Data science industry practices	Applying data science in industry <ul style="list-style-type: none">• Applying data science on different data structures and domains• Defining a data science project• Designing a data science project• Delivering data science project• Optimising Machine Learning model algorithms• Overall end-to-end solution• Presenting to stakeholders and obtaining buy-in• Capstone project
Soft skills <p>Consulting, Questioning, Documenting, Presenting</p>		
Learning how to learn effectively framework <p>Minimal Viable Learning (MVL), Multimodal learning, Learn-Create cycle</p>		