| DSC1023EN · Master in Data Science |
|------------------------------------|
| LEAD EXPERT Pedro Costa |
| HORARIO* M-W-F |

| MODULE | WEEK | SESSION | LECTURER | HOURS | DATE | SCHEDUL |
|--|--------------------------|--|--|-------|------------|--|
| M0 I Welcome | | Welcome Day | Academic Department | 0,5 | 30/10/2023 | 18:00h - 18:30 |
| MI Intro to Data Science | | Competing on Analytics | Felipe Calderero | 3 | 06/11/2023 | 18:30h - 21:30h |
| | WEEK 1 | Data architectures and Data Platforms | Felipe Calderero | 3 | 8/11/2023 | |
| | | Artificial Intelligence, Machine Learning and Deep I | Felipe Calderero | 3 | 10/11/2023 | |
| | | Data Strategy and Market | Felipe Calderero | 3 | 13/11/2023 | 18:30h - 21:30h |
| | | Python - Variables and Operators | Laura Hernando | 3 | 15/11/2023 | |
| M2 Data Science tools | WEEK 2 | Python - Lists and dictionaries | Laura Hernando | 3 | 17/11/2023 | 18.3011 - 21.301 |
| | | Python - Flow control | Laura Hernando | 3 | 20/11/2023 | |
| | WEEK 3 | | Laura Hernando | 3 | 22/11/2023 | 18:30h - 21:30h |
| | | Python - Numpy | | | | |
| | | Python - Pandas Series | Laura Hernando | 3 | 24/11/2023 | |
| | WEEK 4 | Python - Pandas DataFrames | Laura Hernando | 3 | 27/11/2023 | 18:30h - 21:30h |
| | | SQL - Definition and Manipulation | Laura Hernando | | 29/11/2023 | |
| | | SQL - Querying | Laura Hernando | 3 | 01/12/2023 | |
| M3 Data Analytics y Business Intelligence | WEEK 5 | SQL - NoSQL | Laura Hernando | 3 | 04/12/2023 | 18:30h - 21:30h 18:30h - 21:30h |
| | | Introduction to Scikit-learn | Lies Boelen | 3 | 05/12/2023 | |
| | | Data Cleaning (I) | Lies Boelen | 3 | 07/12/2023 | |
| | | Data Cleaning (II) | Lies Boelen | 3 | 11/12/2023 | |
| | | Data Transformation (I) | Lies Boelen | 3 | 13/12/2023 | |
| | | Data Transformation (II) | Lies Boelen | 3 | 15/12/2023 | |
| | WEEK 7 | Intro to Data Visualisation | Chris Collins | 3 | 08/01/2024 | 18:30h - 21:30h |
| | | Ploty | Chris Collins | 3 | 10/01/2024 | |
| | | Dash | Chris Collins | 3 | 12/01/2024 | |
| | | Dash II | Chris Collins | 3 | 15/01/2024 | |
| M4 Machine Learning | WEEK 9 WEEK 10 WEEK 11 | Supervised Learning- Classification I | Pedro Costa | 3 | 17/01/2024 | 18:30h - 21:30h 18:30h - 21:30h 18:30h - 21:30h 18:30h - 21:30h |
| | | Supervised Learning- Classification II | Pedro Costa | 3 | 19/01/2024 | |
| | | Supervised Learning- Classification III | Pedro Costa | 3 | 22/01/2024 | |
| | | Supervised Learning- Classification IV | Pedro Costa | 3 | 24/01/2024 | |
| | | Supervised Learning - Regression I | Pedro Costa | 3 | 26/01/2024 | |
| | | Supervised Learning-Regression II | Pedro Costa | 3 | 29/01/2024 | |
| | | Supervised Learning Regression III | Pedro Costa | 3 | 31/01/2024 | |
| | | Supervised Learning- Regression III Supervised Learning- Time Series I | Eudardo Gonzalo | 3 | 02/02/2024 | |
| | | Supervised Learning-Time Series II | Eudardo Gonzalo | 3 | 05/02/2024 | |
| | | Supervised Learning- Time Series III | Eudardo Gonzalo | 3 | 07/02/2024 | |
| | | | Eudardo Gonzalo | 3 | 09/02/2024 | |
| | | Supervised Learning- Time Series IV | | 3 | 12/02/2024 | |
| | | Non-supervised Learning - Clustering and Collabo | | 3 | 14/02/2024 | |
| | | Non-supervised Learning - Clustering and Collabo | | | , , , , , | |
| | WEEK 12 | Non-supervised Learning - Clustering and Collabo | | 3 | 16/02/2024 | |
| M5 Deep Learning | | Deep Learning I | Miquel Larsson | 3 | 19/02/2024 | 10.70 |
| | WEEK 13 WEEK 14 | Deep Learning II | Miquel Larsson | 3 | 21/02/2024 | 18:30h - 21:30h 18:30h - 21:30h |
| | | Deep Learning III | Miquel Larsson | 3 | 23/02/2024 | |
| | | Deep Learning IV | Miquel Larsson | 3 | 26/02/2024 | |
| | | Deep Learning V | Miquel Larsson | 3 | 28/02/2024 | |
| | | Deep Learning VI | Miquel Larsson | 3 | 1/3/2024 | |
| | | Reinforcement Learning | Miquel Larsson | 3 | 04/03/2024 | |
| | | Reinforcement Learning | Miquel Larsson | 3 | 06/03/2024 | |
| M6 MLOps | WEEK 15 | Projects portfolio with github | Lies Boelen | 3 | 08/03/2024 | |
| | WEEK 16 | Introduction to MLOps | Sean Ariel | 3 | 11/03/2024 | 18:30h - 21:30h |
| | | MLOps tools / Introduction to cloud | Sean Ariel | 3 | 13/03/2024 | |
| | | Deployment of ML models (I) | Sean Ariel | 3 | 15/03/2024 | |
| | | Deployment of ML models (II) | Sean Ariel | 3 | 18/03/2024 | |
| | | Deployment of ML models (III) | Sean Ariel | 3 | 20/03/2024 | 18:30h - 21:30h |
| M7 Applied Al: trends & challenges | WEEK 17 | Project Management in Data Science | Pedro Costa | 3 | 22/03/2024 | |
| | | The DS job market | Pedro Costa | 3 | 03/04/2024 | 18:30h - 21:30h |
| | WEEK 18 | Project presentation | Pedro Costa, Miguel Larsson, Lies Boelen, Sean Ariel | 3 | 12/04/2024 | |
| | | 1 7 1 | , | 159 | | |

The Academic Department reserves the right to make modifications for the correct development of the master's degree.