

**FIB Mobilitat 25-26 ASSIGNATURES RECONEGUDES COM A COMPLEMENTÀRIES DE L'ESPECIALITAT COMPUTACIÓ**

| PAÍS          | UNIVERSITAT                                                               | NOM ASSIGNATURA                                        | ECTS |
|---------------|---------------------------------------------------------------------------|--------------------------------------------------------|------|
| Alemanya      | Technische Universität München                                            | Machine Learning                                       | 8    |
|               |                                                                           | Introduction to Deep Learning                          | 6    |
| Austria       | Technische Universitaet Graz                                              | Construction of Mobile Robots                          | 5    |
|               |                                                                           | Deep Learning                                          | 3    |
|               |                                                                           | Cognitive Neuroscience                                 | 3    |
| Austria       | TU Wien                                                                   | Applications of Computer Vision                        | 3    |
|               |                                                                           | Machine Learning Algorithms and Applications           | 3    |
|               |                                                                           | Applied Deep Learning                                  | 3    |
|               |                                                                           | Data-Oriented Programming Paradigms                    | 3    |
|               |                                                                           | Fundamentals of Computer Vision                        | 6    |
|               |                                                                           | Heuristic Optimization Techniques                      | 4,5  |
|               |                                                                           | Introduction to Machine Learning                       | 6    |
|               |                                                                           | Machine Learning                                       | 4,5  |
|               |                                                                           | Natural Language Processing and Information Extraction | 3    |
|               |                                                                           | Real-Time Rendering                                    | 4,5  |
|               |                                                                           | Social Network Analysis                                | 3    |
| Bèlgica       | Université Catholique de Louvain-Ecole Polytechnique de Louvain           | Algorithms in Data Science                             | 5    |
|               |                                                                           | Cloud Computing                                        | 5    |
|               |                                                                           | Languages and Algorithms for Distributed Applications  | 5    |
|               |                                                                           | Computational Linguistics                              | 5    |
| Bèlgica       | Ghent University                                                          | Big Data Technology                                    | 4    |
|               |                                                                           | Machine Learning                                       | 6    |
| Canadà        | ETS Montreal                                                              | LOG635- Systèmes Intelligents et algorithmes           | 6    |
| Finlàndia     | Aalto University                                                          | Competitive Programming D                              | 5    |
|               |                                                                           | Bayesian Data Analysis D                               | 5    |
|               |                                                                           | Declarative Programing D                               | 5    |
|               |                                                                           | Cryptography D                                         | 5    |
|               |                                                                           | Distributed Algorithms D                               | 5    |
|               |                                                                           | Machine Learning D                                     | 6    |
|               |                                                                           | Methods of Data Mining D                               | 5    |
|               |                                                                           | Supervised Machine Learning D                          | 5    |
|               |                                                                           | Quantum Machine Learning                               | 5    |
|               |                                                                           | Design of WWW Services                                 | 5    |
|               |                                                                           | ICT Enabled Service Business and Innovation            | 5    |
| Itàlia        | Politecnico di Milano                                                     | Numerical Analysis                                     | 5    |
|               |                                                                           | Artificial Neural Networks and Deep Learning           | 5    |
| Itàlia        | Universita degli Studi di Padova (ELEINF)                                 | Machine Learning                                       | 6    |
|               |                                                                           | Reinforcement Learning                                 | 6    |
| Itàlia        | Roma La Sapienza                                                          | Machine Learning                                       | 6    |
|               |                                                                           | Deep Learning                                          | 6    |
|               |                                                                           | Neural Networks                                        | 6    |
|               |                                                                           | Distributed Systems                                    | 6    |
| Noruega       | Kristiania                                                                | Big Data Systems                                       | 7,5  |
|               |                                                                           | Data Mining and Computational Vision                   | 7,5  |
|               |                                                                           | Deep Learning                                          | 7,5  |
|               |                                                                           | Introduction to Artificial Intelligence                | 7,5  |
|               |                                                                           | Predictive Analytics                                   | 7,5  |
|               |                                                                           | Research Methods                                       | 7,5  |
|               |                                                                           | Software Design                                        | 7,5  |
| Noruega       | Norges Teknisk-Naturvitenskapelige Universitet (NTNU)                     | Machine Learning                                       | 7,5  |
|               |                                                                           | Data Powered Software                                  | 7,5  |
|               |                                                                           | Cognitive Architectures                                | 7,5  |
|               |                                                                           | Data Powered Software                                  | 7,5  |
|               |                                                                           | Applied Data Science                                   | 7,5  |
|               |                                                                           | Learning Technology And Analytics                      | 7,5  |
| Països Baixos | TU Delft                                                                  | Advanced Algorithms                                    | 5    |
|               |                                                                           | Big Data Processing                                    | 5    |
|               |                                                                           | Crowd Computing                                        | 5    |
|               |                                                                           | Machine Learning                                       | 5    |
|               |                                                                           | Security and Cryptography                              | 5    |
|               |                                                                           | Compiler Construction                                  | 5    |
|               |                                                                           | Machine Learning                                       | 5    |
|               |                                                                           | Building Serious Games                                 | 5    |
| Polònia       | Politechnika Warszawska - Faculty of Mathematics and Information Sciences | Deep Learning                                          | 5    |
|               |                                                                           | Data Exploration and Visualisation                     | 4    |
|               |                                                                           | Advanced Machine Learning                              | 6    |
|               |                                                                           | Intelligent Information Systems                        | 6    |
| Polònia       | Lodz University of Technology                                             | Deep Learning                                          | 4    |
|               |                                                                           | Machine Learning                                       | 4    |
|               |                                                                           | Quantum Systems                                        | 5    |

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|-----------------|---------------------------------|-----------------------------------------------------------|------|
| Polònia         | Poznan University of Technology | Computer Graphics and Visualization                       | 4    |
|                 |                                 | Advanced Internet Applications                            | 4    |
|                 |                                 | Computational Intelligence                                | 4    |
| Regne Unit      | University of Edinburgh         | Accelerated Natural Language Processing                   | 10   |
|                 |                                 | Applied Machine Learning                                  | 10   |
|                 |                                 | Computational Neuroscience                                | 5    |
|                 |                                 | Machine Learning and Pattern Recognition                  | 10   |
| Republica Txeca | Czech Technical University      | Machine Learning                                          | 5    |
|                 |                                 | Combinational Optimization                                | 6    |
|                 |                                 | Computational Intelligence Methods                        | 5    |
|                 |                                 | Mathematics for Informatics                               | 7    |
|                 |                                 | Matlab                                                    | 4    |
|                 |                                 | Pattern Recognition                                       | 5    |
| Suècia          | Blekinge IT                     | Applied Artificial Intelligence                           | 7,5  |
|                 |                                 | Applied Programming in Python                             | 7,5  |
|                 |                                 | Introduction to Cloud Computing                           | 7,5  |
|                 |                                 | Mobile Applications Development                           | 7,5  |
| Suècia          | KTH                             | Interaction Programming and the Dynamic Web               | 7,5  |
|                 |                                 | Machine Learning                                          | 7,5  |
|                 |                                 | Cybersecurity Overview                                    | 7,5  |
|                 |                                 | Scalable software Development with Functional Programming | 7,5  |
|                 |                                 | Introduction to Machine Learning                          | 6    |
| Suïssa          | EPFL                            | Intelligent agents                                        | 6    |
|                 |                                 | Machine Learning                                          | 7    |
|                 |                                 | Computer Language Processing                              | 6    |
|                 |                                 | Principles of Computer Systems                            | 7    |

*Maria J. Blesa*